

**FEDERAL DEMOCRATIC REPUBLIC OF ETHIOPIA  
CENTRAL STATISTICAL AGENCY**

**AGRICULTURAL SAMPLE SURVEY  
2005/06 [1998 E.C.]**

**VOLUME II**

**REPORT ON  
LIVESTOCK AND LIVESTOCK CHARACTERISTICS  
(PRIVATE PEASANT HOLDINGS)**



**ADDIS ABABA  
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## Table of Contents

|  | Page |
|--|------|
| <b>CHAPTER I. INTRODUCTION AND OBJECTIVES OF THE SURVEY---</b>           | 1    |
| 1.1 Introduction -----   | 1    |
| 1.2 Objectives of the Survey-----  | 2    |
| <b>CHAPTER II. SURVEY METHODOLOGY AND OPERATIONS-----</b>                | 3    |
| 2.1 Coverage -----   | 3    |
| 2.2 Sampling Frame-----  | 3    |
| 2.3 Sample Design-----   | 4    |
| 2.4 Selection Procedure-----   | 4    |
| 2.5 Basic Concepts and Definitions-----                                  | 5    |
| 2.6 Field Organization-----  | 7    |
| 2.7 Training of Field Staff-----   | 7    |
| 2.8 Method of Data Collection-----                                       | 7    |
| 2.9 Data Processing -----  | 8    |
| 2.9.1 Editing, Coding, and Verification-----                             | 8    |
| 2.9.2 Data Entry, Cleaning, and Processing-----                          | 8    |
| <b>CHAPTER III. SUMMARY OF THE SURVEY RESULTS-----</b>                   | 9    |
| 3.1 LIVESTOCK NUMBER BY BREED, AGE, SEX, AND PURPOSE--                   | 9    |
| 3.1.1 Cattle Population-----   | 9    |
| 3.1.2 Sheep and Goat Populations-----                                    | 12   |
| 3.1.3 Horse, Donkey, Mule, and Camel Populations-----                    | 16   |
| 3.1.4 Poultry Population-----  | 20   |
| 3.1.5 Beehive Population-----  | 22   |
| 3.2 NUMBERS OF BIRTHS, PURCHASES, AND ACQUIRED<br>ANIMALS BY TYPE -----  | 23   |
| 3.3 NUMBERS OF SALES, SLAUGHTERS, DEATHS, AND<br>OFFERINGS BY TYPE ----- | 24   |
| 3.4 LIVESTOCK PRODUCTS-----  | 25   |
| 3.4.1 Milk Production-----   | 25   |
| 3.4.2 Honey Production-----  | 26   |
| 3.4.3 Egg Production-----  | 26   |
| 3.5 LIVESTOCK VACCINATION, DISEASES, AND TREATMENT -----                 | 27   |
| 3.6 NUMBER OF HOLDINGS BY SIZE OF LIVESTOCK-----                         | 29   |
| 3.7 ANIMAL FEED-----   | 31   |
| 3.8 LIVESTOCK EXTENSION-----   | 33   |
| Statistical Tables-----  | 35   |
| Part I – Estimates for Usual Sedentary Rural Areas-----                  | 37   |
| Part II- Estimates for Resettlement Areas-----                           | 169  |
| Annex Tables-----  | 177  |
| Appendix I-----  | 187  |
| Appendix II-----   | 193  |
| Appendix III -----   | 199  |

### **Abbreviations**

|      |   |   |
|------|---|---|
| CSA  | - | Central Statistical Agency                        |
| CV   | - | Coefficient of Variation                          |
| E.C. | - | Ethiopian Calendar                                |
| EA   | - | Enumeration Area                                  |
| NA   | - | Not Available                                     |
| NR   | - | Not Reported                                      |
| SE   | - | Standard Error                                    |
| SNNP | - | Southern Nation Nationalities and People's Region |

## **CHAPTER I**

### **INTRODUCTION AND OBJECTIVES OF THE SURVEY**

#### **1.1 INTRODUCTION**

Ethiopia is believed to have the largest livestock population in Africa. This livestock sector has been contributing considerable portion to the economy of the country, and still promising to rally round the economic development of the country. It is eminent that livestock products and by-products in the form of meat, milk, honey, eggs, cheese, and butter supply the needed animal protein that contribute to the improvement of the nutritional status of the people. Livestock also plays an important role in providing export commodities, such as live animals, hides, and skins to earn foreign exchanges to the country. On the other hand, draught animals provide power for the cultivation of the smallholdings and for crop threshing virtually all over the country and are also essential modes of transport to take holders and their families long-distances, to convey their agricultural products to the market places and bring back their domestic necessities. Livestock as well confer a certain degree of security in times of crop failure, as they are a “near-cash” capital stock. Furthermore, livestock provides farmyard manure that is commonly applied to improve soil fertility and also used as a source of energy.

Due to the very important role that the livestock sector plays in the economy of the country, formulation of development plan regarding the sector is indispensable. It is therefore imperative that livestock development plans should be formulated on the basis of reliable statistical data, and hence, timely and accurate livestock data are required for the formulation, implementation, monitoring, and evaluation of development plan and program in the sector. These livestock data can be generated usually using surveys and censuses. In this regard, subsequent surveys and a solitary agricultural census have been carried out by the Central Statistical Agency (CSA) to make available data on livestock though they were not comprehensive. The 2005/06 Annual Agricultural Sample Survey was also

conducted to produce these same data so as to keep hold of continuity and update users in general.

In this report: estimates of livestock that include cattle, sheep, goats, draught animals (horses, mules, donkeys and camels), poultry and beehives were made based on the information obtained from the holders within the sampled agricultural households in rural sedentary areas of the country as to the reference date (November 10, 2005 or Hidar 1, 1998 E.C.) and reference period (November 11, 2004 to November 10, 2005 or Hidar 2, 1997 E.C. to Hidar 1, 1998 E.C.). The report comprises the results obtained from the livestock survey as well as brief discussions made on the results. The survey results at regional and zonal levels for the usual sedentary rural areas are presented in Statistical Tables 3.1 - 3.30 whilst results for resettlement areas are obtainable from Statistical Tables 4.1 - 4.15. The standard errors (SE) and coefficients of variation (CV) are given in Annex Tables 1 – 10, for some variables.

## **1.2 OBJECTIVES OF THE SURVEY**

The general objective of the livestock survey is to produce data that could be used for development planning and policy formulation regarding the sector, and the specific objectives are to purvey quantitative information on the size and characteristics of livestock in rural sedentary areas at zonal level. In order to meet these objectives, data on: livestock number by type, age, sex, purpose and breed; livestock products particularly milk, egg, and honey; livestock diseases and vaccination; and animal feed were collected from sampled agricultural households in rural sedentary areas (including resettlements).

## **CHAPTER II**

### **SURVEY METHODOLOGY AND OPERATIONS**

#### **2.1 COVERAGE**

The 2005/06 (1998 E.C) Annual Livestock Sample Survey covered the rural agricultural population in all the regions of the country except all zones of Gambella Region, and the non-sedentary population of three zones of Afar & six zones of Somali regions.

To be covered by the survey, a total of 2,024 enumeration areas (EAs) and 250 resettlement localities were selected. However, due to various reasons that are beyond control, in 12 EAs and 1 resettlement locality the survey could not be successful and hence interrupted. Thus, all in all the survey succeeded to cover 2,012 EAs and 249 resettlement localities (99.43%) throughout the regions. The Livestock Sample Survey was conducted on the basis of 30 agricultural households selected from each EA / resettlement locality. Regarding the ultimate sampling units, it was intended to cover a total of 68,220 agricultural households, however, 67,502 (98.95%) were actually covered by the survey.

#### **2.2 SAMPLING FRAME**

The list containing EAs of all regions and their respective agricultural households obtained from the 2001/02 Ethiopian Agricultural Sample Enumeration (EASE) was used as the sampling frame in order to select EAs (Primary sampling units for non-resettlement areas). Consequently, all sample EAs were selected from this frame based on the design proposed for the survey. The list of all resettlement localities of each region, which is obtained from regional administrative records, is also used to select resettlement localities (Primary sampling units for resettlement areas) from each region. Second stage sampling units, households, On the other hand, were selected from a fresh list of households that were prepared for each EA / resettlement locality at the beginning of the survey.

## **2.3 SAMPLE DESIGN**

A two stage stratified cluster sample design was used to select the sample in which the clusters or primary sampling units (PSUs) were enumeration areas/resettlement localities and second stage sampling units were households. Except Harari, Addis Ababa and Dire Dawa, where each region as a whole is considered to be the domain of estimation, every zone/special wereda of a region was adopted as a stratum for which major findings of the survey are reported.

## **2.4 SELECTION SCHEME**

Enumeration areas from each stratum were selected systematically using probability proportional to size sampling technique; size being number of agricultural households obtained from the 1994 Population & Housing Census and adjusted for the sub-sampling effect. With regard to resettlement localities, the survey covered about 93 % of the localities found in the country. As a result, the chance of being included in the sample, are purposefully not given for resettlement localities with very few households (below 30). Consequently, selection of required number of localities from the rest of localities is accomplished on the basis of equal probability. Within each sample EA/resettlement locality 30 agricultural households were selected systematically from the fresh list of households prepared at the beginning of the survey.

Distribution of sampling units (sampled and covered EAs and resettlement localities) by stratum is also presented in Appendix-I. Except differences in weighting mechanism, the procedure for producing estimates for resettlement areas is more or less similar to those of non-resettlement areas. Therefore, only estimation procedures of different estimates for non-resettlement areas are provided in the appendix II. Estimates of Standard Errors and Coefficient of Variations for selected estimates are also presented in the *Annex Tables 1-10*.

## 2.5 BASIC CONCEPTS AND DEFINITIONS

It is thought essential that the definitions used for some key terms in the survey should be laid open and these are given as follows.

***Enumeration Area (EA):*** An enumeration area in rural parts of the Country is a locality that is less than or equal to a farmer's association area and usually consists of 150-200 households.

***Households:*** A household may be either;

a) A one person household, that is a person who makes provision for his own food or other essentials for living without combining with any other person to form part of a multi person household or

b) A multi person household, that is, a group of two or more persons who live together and make common provision for food or other essentials for living. The persons in the group may pool their incomes and have a common budget to greater or lesser extent. They may be related or unrelated persons, or a combination of both.

***Agricultural Households:*** A household is considered an agricultural household when at least one member of the household is engaged in growing crops and /or breeding and raising livestock in private or in partnership with others.

***Holder:*** A holder is a person who exercises management control over the operations of the agricultural holding and takes the major decision regarding the utilization of the available resources. He also has technical and economic responsibility for the holding. He may operate the holding directly as an owner or as a manager.

Under conditions of traditional agricultural holding the holder may be regarded as the person, who with or without help of others, operates land or raises livestock in



his own right, i.e. the person who decides on what, when, where and how to grow crops or raise livestock and has right to determine the utilization of the products.

***Holding:*** A holding is all the land and/or livestock kept which is used wholly or partly for agricultural production and is operated as one technical unit by one person alone, or with others, without regard to title, legal form, size or location.

***Draught Animal:*** For this survey, it refers to animals that are engaged in activities such as ploughing, threshing... etc.

***Dairy Cow:*** Refers to any type of cow used to give milk previously and/or provide milk currently or have never given milk before and pregnant now. Heifers are not included in this category.

***Milking Cow:*** Refers to cows actually milked during the year, Nov 11, 2004 to Nov 10, 2005.

***Meat Animals:*** Cattle, sheep, goats, and camels reared only for meat either for home consumption and/or for sale, are defined as meat animals.

***Laying Hens:*** Refer to all hens and pullets of all types that laid eggs during the reference period, Nov 11, 2004 to Nov 10, 2005.

***Other Purposes:*** Cattle which participate in activities such as transporting and the like other than animals kept for draught, milk and beef purposes are categorized as cattle for other purposes. Moreover, Sheep and Goats that are kept for other purposes other than breeding, wool, meat, and milk production are included in this category.

## **2.6 FIELD ORGANIZATION**

The entire 25 Branch Statistical Offices of the CSA participated in the survey undertaking, especially in organizing the second stage training, in deploying the field staff to their respective sites of assignment, and retrieving completed questionnaires and submitting them to the head office for data processing. They were also responsible in administering the financial and logistic aspect of the survey within the areas of their assignment. In the data collection, enumerators and field supervisors were involved with an average supervisor-enumerator ratio of 1to5. To accomplish the data collection operation, all the enumerators were supplied with the necessary survey equipment at the completion of the training. To assist the data collection activities in deployment, supervision, and retrieval of completed questionnaires, reasonably adequate four-wheel vehicles were used.

## **2.7 TRAINING OF FIELD STAFF**

The field staff-training program was carried out in two stages. The first-stage consisted of trainees from the head office, Branch Statistical Office heads, and some of the field supervisors. The training was given for about twelve days at CSA's headquarters in Addis Ababa. Many of these personnel trained in the first-stage conducted similar training for field supervisors and enumerators for about three weeks in branch offices, which are distributed around the country. During the second-stage training, the field staff were given detailed classroom instruction on the objectives and uses of the survey, concepts and definitions of terms used, interviewing procedures, how to fill questionnaires, ...etc. The enumerators' training also includes a field practice to strengthen the concepts discussed in the classroom.

## **2.8 METHOD OF DATA COLLECTION**

In each selected site, a fresh list of households was prepared and then agricultural households were identified from the list of households. From these identified

agricultural households, 30 agricultural households were selected using systematic sampling techniques. Thus, all agricultural holders belonging to each selected agricultural households were interviewed and the appropriate data were collected. The reference date for enumerating livestock, poultry, & beehives was Nov.10, 2005 (Hidar 1/1998 E.C.).

## **2.9 DATA PROCESSING**

### **2.9.1 Editing, Coding, and Verification**

The editing and coding instruction manuals were prepared, and intensive training was given to the editor-coders. Those trained editors-coders were accomplished the editing and coding tasks. In due course, professional staff members were assigned to facilitate the editing and coding activities and the edited and coded questionnaires were verified by statistical technicians as well as by professionals.

### **2.9.2 Data Entry, Cleaning, and Processing**

The data were entered in personal computers by data encoders using IMPS (Integrated Microcomputer Processing System) software. Then the data were checked and cleaned by regular staff members. Finally, the data processing activity was also done by personal computers (PCs) to produce results that were indicated in the tabulation plan.

## **CHAPTER III**

### **SUMMARY OF THE SURVEY RESULTS**

#### **3.1 LIVESTOCK NUMBER BY BREED, AGE, SEX, AND PURPOSE**

The 2005/06 livestock survey has covered the rural sedentary areas of the country (including resettlements) on sample basis. The total number of each type of livestock as well as the numbers disaggregated by breed, age, sex, and purpose possessed by holders on the reference date (Nov. 10, 2005), irrespective of ownership, were recorded by interviewing each holder within the selected agricultural households in the sampled enumeration areas of the country. The numbers also include the livestock belonging to the holding but temporarily away or in transit at the time of the enumeration.

##### **3.1.1 Cattle Population**

The estimates of cattle for the rural sedentary areas at country level are presented in Summary Table III.1. As shown on the table, the total cattle population for the country is estimated to be 40.38 million. Out of this total cattle population, the female cattle constitute about 55.14 percent and the remaining 44.86 percent are male cattle.

Regarding age groups, the majority of the cattle population (that is about 64 percent) is in the 3 years and less than 10 years age category, with about 36 percent female and about 28 percent male. Moreover, about 32.9 percent are less than three years and those with age category 10 years and over took small portion i.e. 3.28 percent of the total estimated number of cattle population (also see Fig III.1).

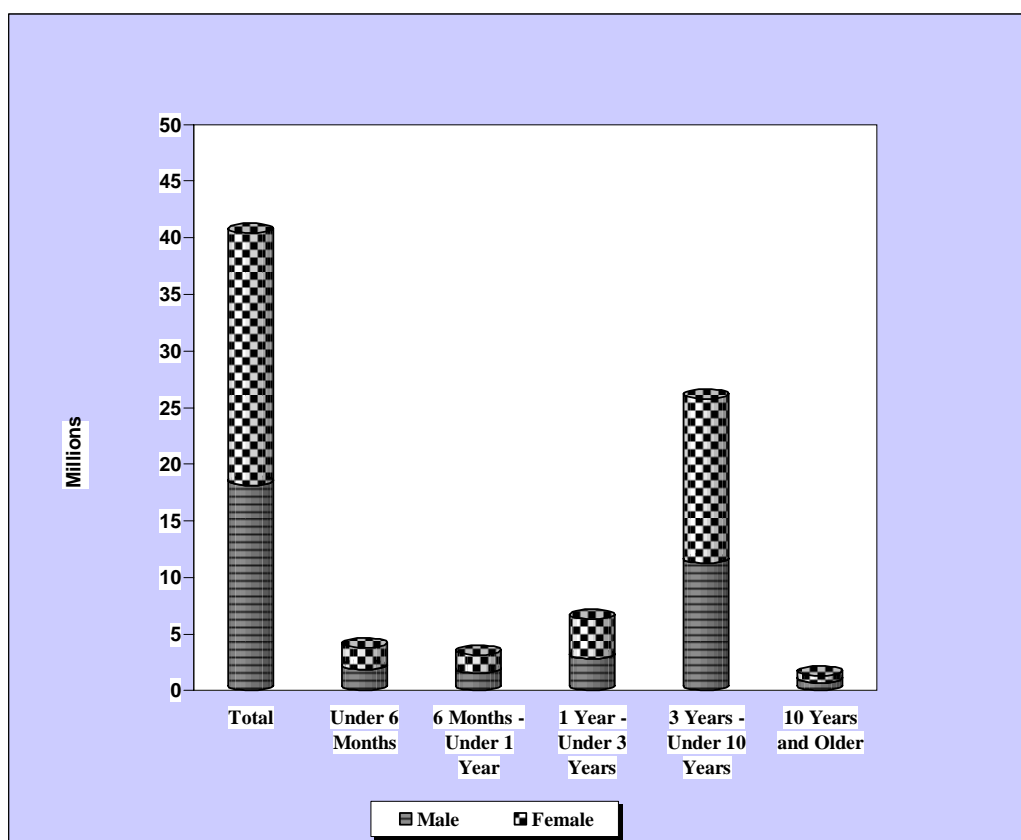
On the other hand, the results obtained indicated that 99.28 percent of the total cattle in the country are local breeds. The remaining are hybrid and exotic breeds that accounted for about 0.65 percent and 0.06 percent, respectively. Moreover,

distribution of cattle by purpose is given in the same table. Among cattle aged 3 years and less than 10 years, those used for draught purposes accounted for 25.81 percent and the percentage share of beef cattle is the lowest that is about 0.72 percent.

SUMMARY TABLE III.1: Estimated Number of Cattle by Sex, Age, Breed, and Purpose, Ethiopia - 2005/06

| Age, Breed, and Purpose        | Total      |       | Male       |       | Female     |       |
|--------------------------------|------------|-------|------------|-------|------------|-------|
|                                | Number     | %     | Number     | %     | Number     | %     |
| Total .....                    | 40,380,098 | 100   | 18,113,961 | 44.86 | 22,266,138 | 55.14 |
| Under 6 months .....           | 3,802,609  | 9.42  | 1,850,628  | 4.58  | 1,951,981  | 4.83  |
| 6 months - under 1 year .....  | 3,177,446  | 7.87  | 1,530,558  | 3.79  | 1,646,888  | 4.08  |
| 1 year – under 3 years .....   | 6,303,101  | 15.61 | 2,799,692  | 6.93  | 3,503,410  | 8.68  |
| 3 years – under 10 years ..... | 25,773,657 | 63.83 | 11,255,560 | 27.87 | 14,518,097 | 35.95 |
| 10 years and older .....       | 1,323,285  | 3.28  | 677,523    | 1.68  | 645,762    | 1.6   |
| Cattle by Breed                |            |       |            |       |            |       |
| Total .....                    | 40,380,098 | 100   | 18,113,961 | 44.86 | 22,266,138 | 55.14 |
| Indigenous .....               | 40,091,011 | 99.28 | 18,002,266 | 44.58 | 22,088,745 | 54.7  |
| Hybrid .....                   | 263,284    | 0.65  | 102,966    | 0.25  | 160,319    | 0.4   |
| Exotic .....                   | 25,803     | 0.06  | 8,729      | 0.02  | 17,074     | 0.04  |
| Aged 3 – 10 Years by Purpose   |            |       |            |       |            |       |
| Total .....                    | 25,773,657 | 63.83 | 11,255,560 | 27.87 | 14,518,097 | 35.95 |
| Used for Milk .....            | 6,221,593  | 15.41 |            |       | 6,221,593  | 15.41 |
| Used for Draught .....         | 10,420,352 | 25.81 | 10,286,769 | 25.47 | 133,583    | 0.33  |
| Used for Beef .....            | 290,425    | 0.72  | 216,750    | 0.54  | 73,675     | 0.18  |
| Used for Breeding .....        | 7,448,052  | 18.44 | 376,682    | 0.93  | 7,071,369  | 17.51 |
| Used for Other .....           | 1,393,236  | 3.45  | 375,359    | 0.93  | 1,017,877  | 2.52  |
| Dairy Animals                  |            |       |            |       |            |       |
| Dairy Cows .....               | 6,221,593  | 15.41 |            |       | 6,221,593  | 15.41 |
| Milking Cows .....             | 8,194,238  | 20.29 |            |       | 8,194,238  | 20.29 |

FIGURE III.1 DISTRIBUTION OF CATTLE BY AGE AND SEX



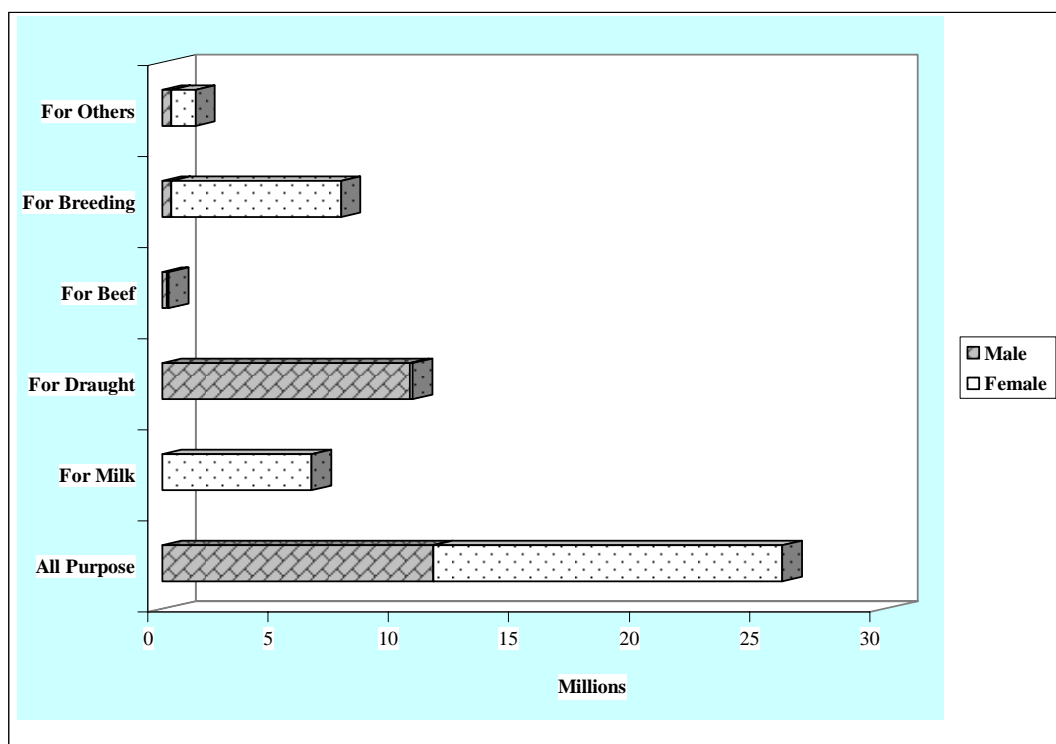
Beef cattle here refer to all cattle reared exclusively for meat that is used either for home consumption or for sale. Dairy-cows<sup>1</sup> are estimated to be around 6.22 million and milking-cows<sup>2</sup> are 8.19 million heads.

Moreover, cattle population by sex, age, breed, and purpose are presented for each region and each zone in the Statistical Tables given at the end of this chapter.

<sup>1</sup>A Dairy Cow refers to a cow that is primarily kept for milk and has been milked previously or was being milked at the time of enumeration or has never been milked before but expected to be milked in the future or pregnant at the time of enumeration.

<sup>2</sup>A Milking Cow refers to any type of cow that actually milked during the reference period (Nov. 11, 2004 to Nov. 10, 2005).

**FIGURE III.2 DISTRIBUTION OF CATTLE AGED 3 AND LESS THAN 10 YEARS BY PURPOSE, AND SEX**



### 3.1.2 Sheep And Goat Populations

The estimated numbers and percentage distributions of sheep and goats in the rural sedentary and resettlement areas of the country are given in Summary Table III.2. As pointed out in this table, about 20.73 million sheep are estimated to be found in the country, out of which about 74 percent are females, and about 26 percent are males. According to the survey result, the number of goats reported in the country is estimated to be about 16.36 million. Out of these total goats, 70 percent are females and 30 percent are males (see Summary Table III. 2 and Fig. III. 3).

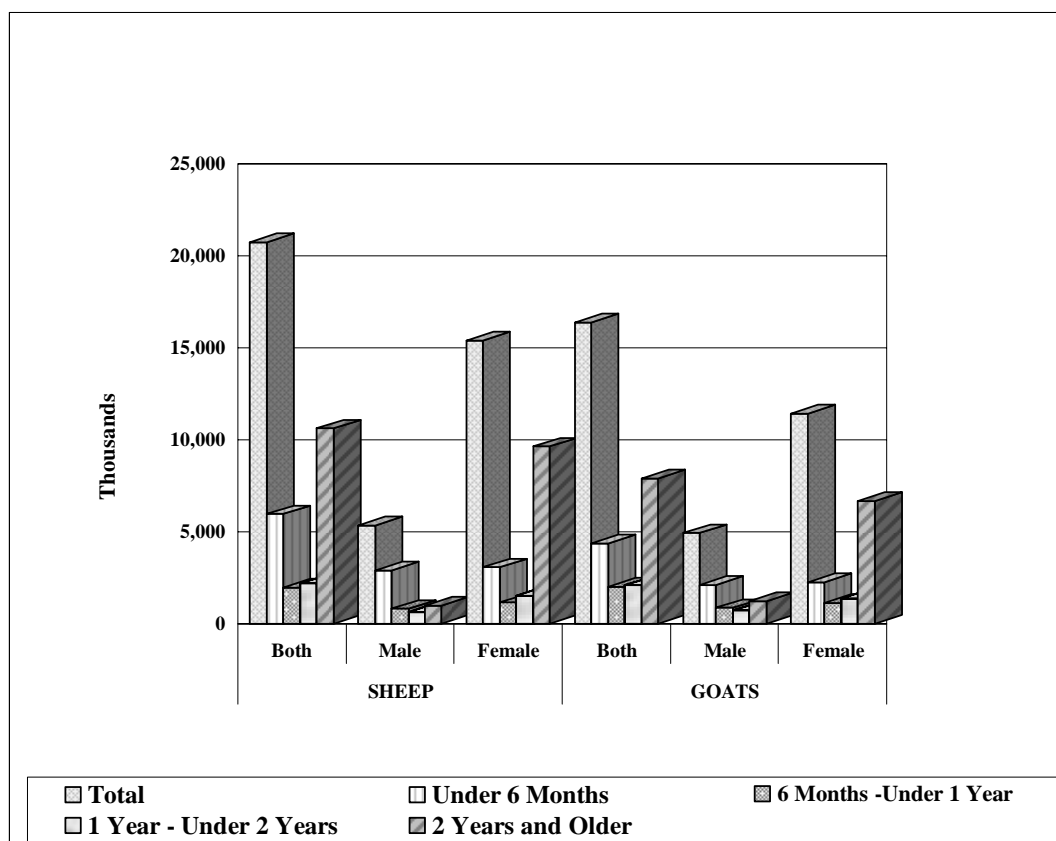
**SUMMARY TABLE III.2: Estimated Numbers of Sheep and Goats by Sex, Age, Breed,  
and Purpose, Ethiopia - 2005/06**

| Age, Breed, and Purpose                    | Total      |       | Male      |       | Female     |       |
|--|------------|-------|-----------|-------|------------|-------|
|  | Number     | %     | Number    | %     | Number     | %     |
| Total Sheep.....                           | 20,733,913 | 100   | 5,339,509 | 25.75 | 15,394,404 | 74.25 |
| Under 6 months.....                        | 5,961,912  | 28.75 | 2,899,058 | 13.98 | 3,062,854  | 14.77 |
| 6 months - under 1 year.....               | 1,970,504  | 9.5   | 808,350   | 3.9   | 1,162,154  | 5.61  |
| 1 year - under 2 years .....               | 2,195,048  | 10.59 | 655,957   | 3.16  | 1,539,091  | 7.42  |
| 2 years and older.....                     | 10,606,449 | 51.16 | 976,144   | 4.71  | 9,630,305  | 46.45 |
| Sheep by Breed                             |            |       |           |       |            |       |
| Total.....                                 | 20,733,913 | 100   | 5,339,509 | 25.75 | 15,394,404 | 74.25 |
| Indigenous.....                            | 20,709,049 | 99.88 | 5,330,420 | 25.71 | 15,378,629 | 74.17 |
| Hybrid .....                               | 21,916     | 0.11  | *         | *     | *          | *     |
| Exotic.....                                | 2,948      | 0.01  | *         | *     | *          | *     |
| Sheep Aged 2 Years and Older<br>by Purpose |            |       |           |       |            |       |
| Total.....                                 | 10,606,449 | 51.16 | 976,144   | 4.71  | 9,630,305  | 46.45 |
| Used for Mutton.....                       | 453,975    | 2.19  | 404,382   | 1.95  | 49,593     | 0.24  |
| Used for Wool.....                         | 38,812     | 0.19  | 2,284     | 0.01  | 36,528     | 0.18  |
| Used for Breeding.....                     | 10,007,824 | 48.27 | 514,627   | 2.48  | 9,493,197  | 45.79 |
| Used for Other .....                       | 105,838    | 0.51  | 54,851    | 0.26  | 50,987     | 0.25  |
| Total Goats.....                           | 16,364,048 | 100   | 4,934,464 | 30.15 | 11,429,584 | 69.85 |
| Under 6 months...                          | 4,370,980  | 26.71 | 2,119,349 | 12.95 | 2,251,631  | 13.76 |
| 6 months - under 1 year.....               | 2,010,538  | 12.29 | 865,829   | 5.29  | 1,144,709  | 7     |
| 1 year - under 2 years .....               | 2,092,413  | 12.79 | 726,051   | 4.44  | 1,366,362  | 8.35  |
| 2 years and older.....                     | 7,890,117  | 48.22 | 1,223,235 | 7.48  | 6,666,882  | 40.74 |
| Goats by Breed                             |            |       |           |       |            |       |
| Total.....                                 | 16,364,048 | 100   | 4,934,464 | 30.15 | 11,429,584 | 69.85 |
| Indigenous.....                            | 16,360,503 | 99.98 | 4,933,053 | 30.15 | 11,427,449 | 69.83 |
| Hybrid .....                               | *          | *     | *         | *     | 1,282      | 0.01  |
| Exotic.....                                | *          | *     | *         | *     | *          | *     |
| Goats Aged 2 Years and Older<br>by Purpose |            |       |           |       |            |       |
| Total.....                                 | 7,890,117  | 48.22 | 1,223,235 | 7.48  | 6,666,882  | 40.74 |
| Used for Milk.....                         | 493,155    | 3.01  |           |       | 493,155    | 3.01  |
| Used for Meat .....                        | 550,697    | 3.37  | 503,836   | 3.08  | 46,861     | 0.29  |
| Used for Breeding.....                     | 6,777,553  | 41.42 | 676,402   | 4.13  | 6,101,151  | 37.28 |
| Used for Other .....                       | 68,713     | 0.42  | 42,997    | 0.26  | 25,716     | 0.16  |

Pertaining to the age distribution of both the sheep and the goats, the largest portions are in the age group of two years and older (51 percent and 48 percent, in that order). These are followed by the young stock under six months for both sheep and goats i.e. about 29 percent and 27 percent, correspondingly (see Figure III.3).



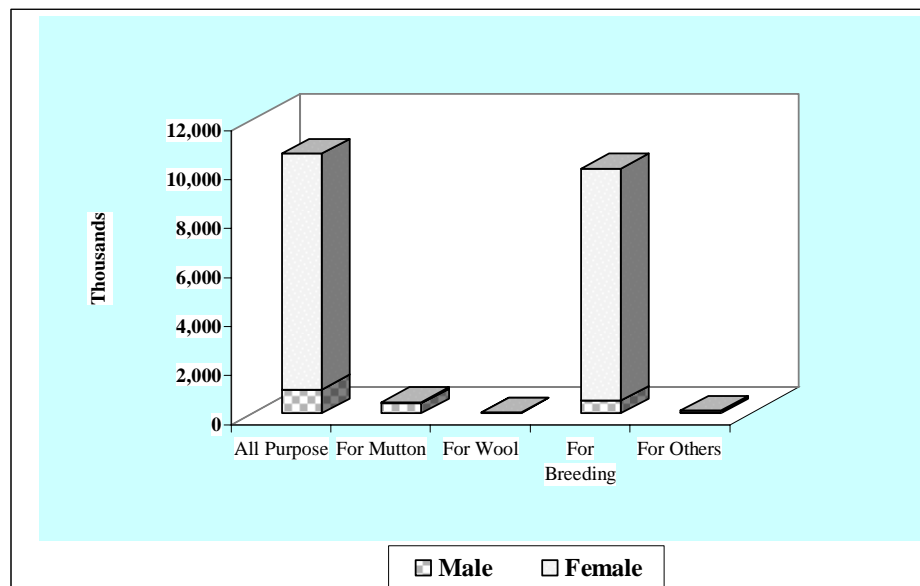
**FIGURE III.3 DISTRIBUTION OF SHEEP AND GOATS BY AGE AND SEX**



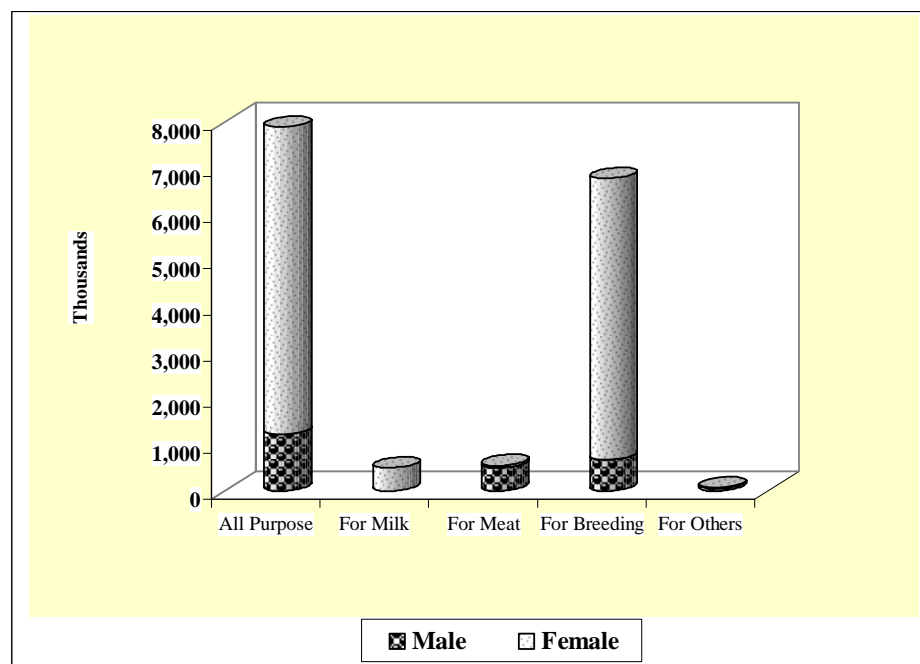
With respect to breed, almost all of the sheep and the goats are indigenous (99.88 percent and 99.98 percent, respectively).

Summary Table III.2 also discloses the numbers and percentages of sheep and goats raised for different purposes in the country. The percentages of both sheep and goats kept for mutton and meat are significantly higher for males. Moreover, the data reveals that female sheep and female goats are primarily kept for breeding purposes. Among the sheep flock two years and older (51% of the total sheep), 48.27 percent are kept for breeding; about two percent for mutton and less than one percent of the sheep were kept for wool production. Likewise, amid the goat population aged two years and older (48.22% of the total), goats kept for breeding accounted for about 41.4 percent while goats kept for meat accounted for about 3.37 percent. The number of goats kept for milk at country level is estimated to be about half a million, which is 3.01 percent of the total goats (see Figures III.4 and III.5).

**FIGURE III.4 DISTRIBUTION OF SHEEP AGED 2 YEARS AND OLDER BY SEX, AND PURPOSE**



**FIGURE III.5 DISTRIBUTION OF GOATS AGED 2 YEARS AND OLDER BY SEX, AND PURPOSE**



The numbers and percentage distributions of sheep and goats at regional level are given in the *Statistical Tables* and look at also Figure III.9.

### **3.1.3 Horse, Donkey, Mule And Camel Populations**

Summary Table III.3 shows the estimates of horses, donkeys, mules, and camels for the rural sedentary areas of the country for private holdings. As per the survey results, there are about 1.57 million horses, 4.29 million donkeys, 0.34 million mules, and 0.44 million camels in the sedentary areas of the country.

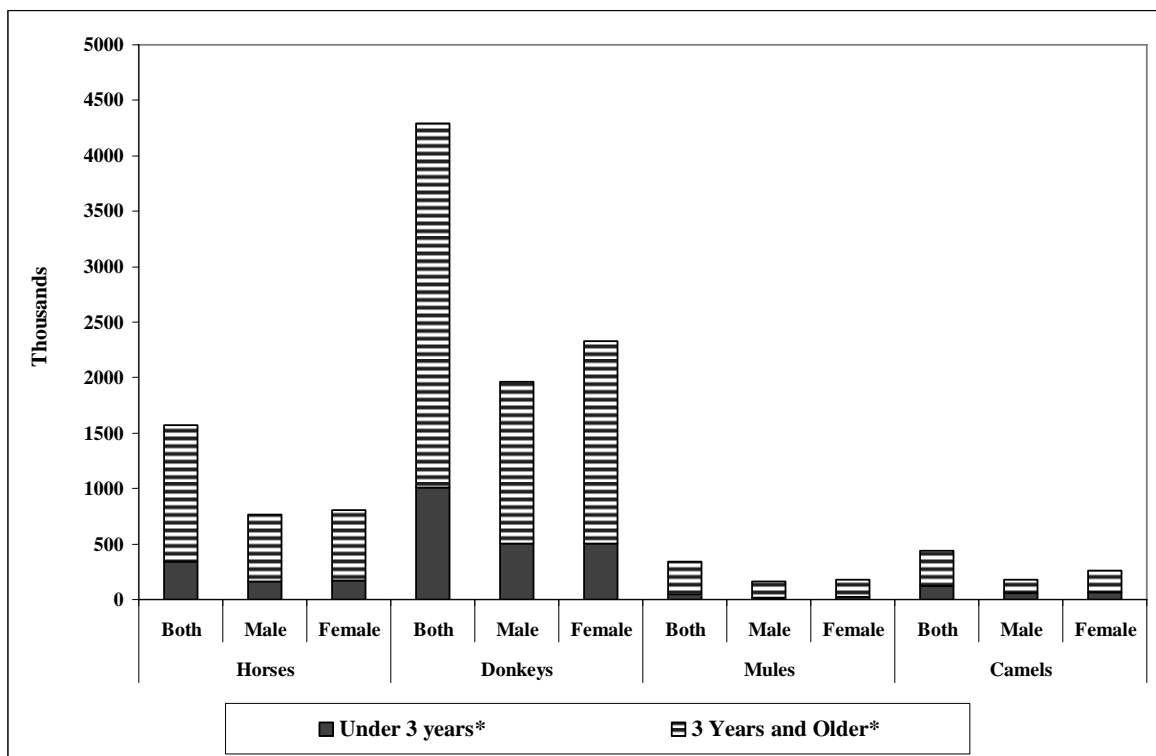
As indicated in the same table, donkeys are the overwhelming majority compared with the other draught animals. Out of the total donkey population in the country, about 54 percent are females and the remaining 46 percent are males. With respect to age distribution, the majorities of the horses, donkeys and mules are of the age group 3 years and older. Furthermore, 72.8 percent of the camels are of the age group 4 years and older.

The estimates of these animals by purpose are also given in Summary Table III.3. Among the horses aged 3 years and older, about 0.87 million were used for transportation, 0.16 million were for draught and the remaining 0.21 million were used for other purposes. With regard to donkeys, about 2.51 million were used for transportation whereas about 0.64 million and 0.13 million were used for draught and other purposes, respectively.

**SUMMARY TABLE III.3: Estimated Numbers of Horses, Donkeys, Mules,  
and Camels by Sex, Age, and Purpose, Ethiopia - 2005/06**

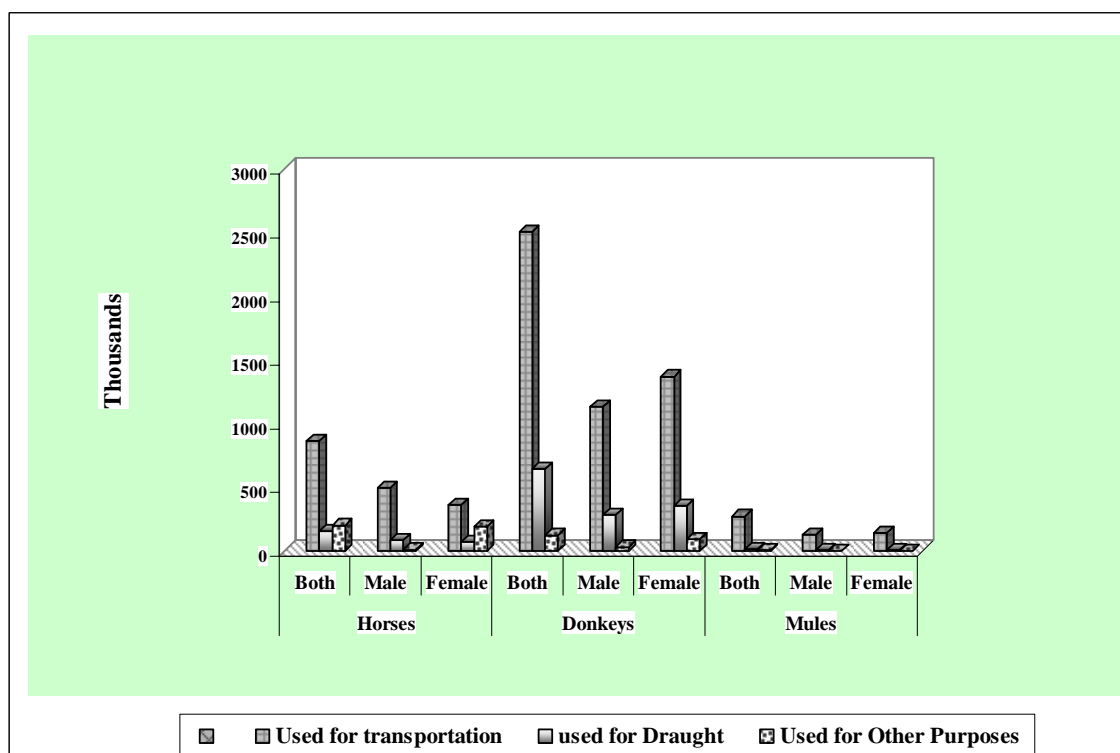
| Age, Breed, and Purpose                   | Total     |       | Male      |       | Female    |       |
|---|-----------|-------|-----------|-------|-----------|-------|
|   | Number    | %     | Number    | %     | Number    | %     |
| Total Horses.....                         | 1,569,350 | 100   | 762,937   | 48.61 | 806,413   | 51.39 |
| Under 3 Years .....                       | 339,214   | 21.61 | 164,853   | 10.5  | 174,361   | 11.11 |
| 3 years and older .....                   | 1,230,136 | 78.39 | 598,085   | 38.11 | 632,052   | 40.27 |
| Horses Aged 3 Years and Older by Purpose  |           |       |           |       |           |       |
| All Uses .....                            | 1,230,136 | 78.39 | 598,085   | 38.11 | 632,052   | 40.27 |
| Transportation .....                      | 865,041   | 55.12 | 500,043   | 31.86 | 364,998   | 23.26 |
| Draught .....                             | 160,065   | 10.2  | 85,892    | 5.47  | 74,173    | 4.73  |
| Other Uses .....                          | 205,030   | 13.06 | 12,150    | 0.77  | 192,880   | 12.29 |
| Total Donkeys.....                        | 4,289,344 | 100   | 1,963,716 | 45.78 | 2,325,628 | 54.22 |
| Under 3 Years...                          | 1,008,845 | 23.52 | 506,931   | 11.82 | 501,914   | 11.7  |
| 3 years and older .....                   | 3,280,498 | 76.48 | 1,456,784 | 33.96 | 1,823,714 | 42.52 |
| Donkeys Aged 3 Years and Older by Purpose |           |       |           |       |           |       |
| All Uses .....                            | 3,280,498 | 76.48 | 1,456,784 | 33.96 | 1,823,714 | 42.52 |
| Transportation .....                      | 2,508,403 | 58.48 | 1,135,289 | 26.47 | 1,373,113 | 32.01 |
| Draught .....                             | 644,733   | 15.03 | 286,430   | 6.68  | 358,304   | 8.35  |
| Other Uses .....                          | 127,362   | 2.97  | 35,065    | 0.82  | 92,297    | 2.15  |
| Total Mules.....                          | 340,636   | 100   | 164,507   | 48.29 | 176,129   | 51.71 |
| Under 3 Years .....                       | 41,121    | 12.07 | 19,385    | 5.69  | 21,735    | 6.38  |
| 3 years and older .....                   | 299,515   | 87.93 | 145,122   | 42.6  | 154,394   | 45.33 |
| Mules Aged 3 Years and Older by Purpose   |           |       |           |       |           |       |
| All Uses .....                            | 299,515   | 87.93 | 145,122   | 42.6  | 154,394   | 45.33 |
| Transportation .....                      | 274,943   | 80.71 | 131,954   | 38.74 | 142,989   | 41.98 |
| Draught .....                             | 17,017    | 5     | 8,690     | 2.55  | 8,327     | 2.44  |
| Other Uses .....                          | 7,556     | 2.22  | 4,478     | 1.31  | 3,078     | 0.9   |
| Total Camels.....                         | 437,606   | 100   | 179,291   | 40.97 | 258,315   | 59.03 |
| Under 4 Years .....                       | 119,201   | 27.24 | 57,373    | 13.11 | 61,828    | 14.13 |
| 4 years and older .....                   | 318,405   | 72.76 | 121,919   | 27.86 | 196,487   | 44.9  |
| Camels Aged 4 Years and Older by Purpose  |           |       |           |       |           |       |
| All Uses .....                            | 318,405   | 72.76 | 121,919   | 27.86 | 196,487   | 44.9  |
| Meat .....                                | 5,256     | 1.2   | 3,959     | 0.9   | 1,297     | 0.3   |
| Milk.....                                 | 129,583   | 29.61 |           |       | 129,583   | 29.61 |
| Transportation .....                      | 107,806   | 24.64 | 97,654    | 22.32 | 10,152    | 2.32  |
| Draught .....                             | 5,265     | 1.2   | 4,043     | 0.92  | *         | *     |
| Other Uses .....                          | 70,495    | 16.11 | 16,263    | 3.72  | 54,232    | 12.39 |

FIGURE IIL6 DISTRIBUTION OF HORSES, DONKEYS, MULES, AND CAMELS BY AGE AND SEX



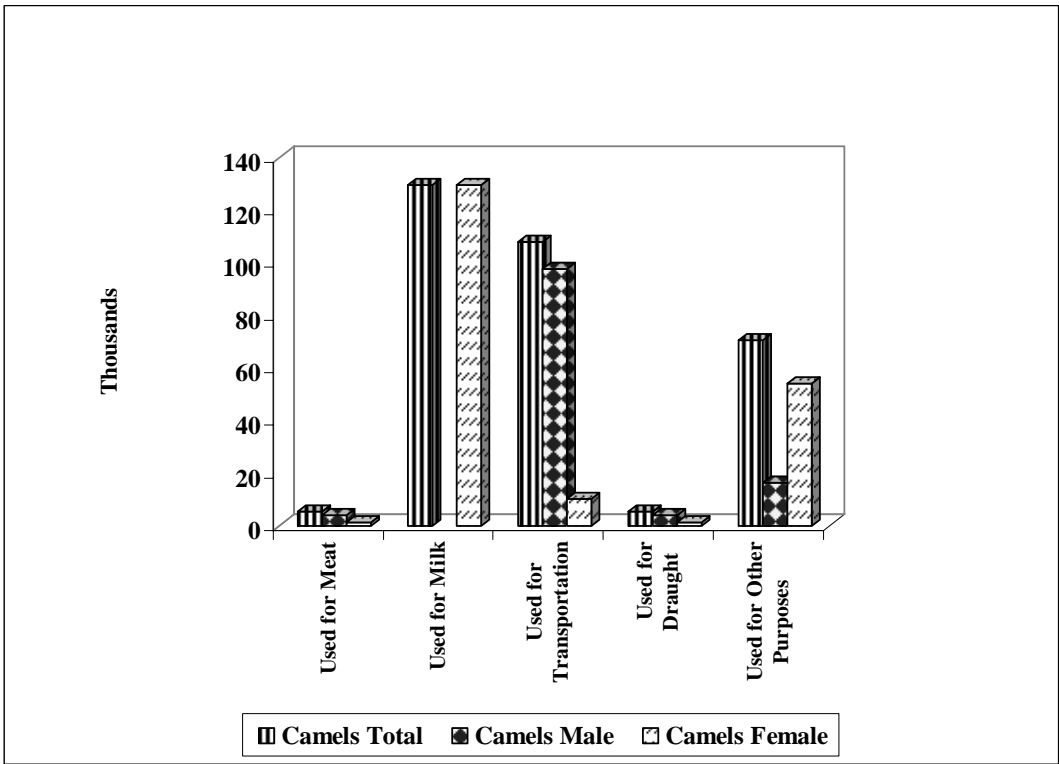
\* Note that for camels the 'Age Categories' are under 4 years and 4 years & older

FIGURE IIL7 DISTRIBUTION OF HORSES, DONKEYS, AND MULES BY PURPOSE AND SEX



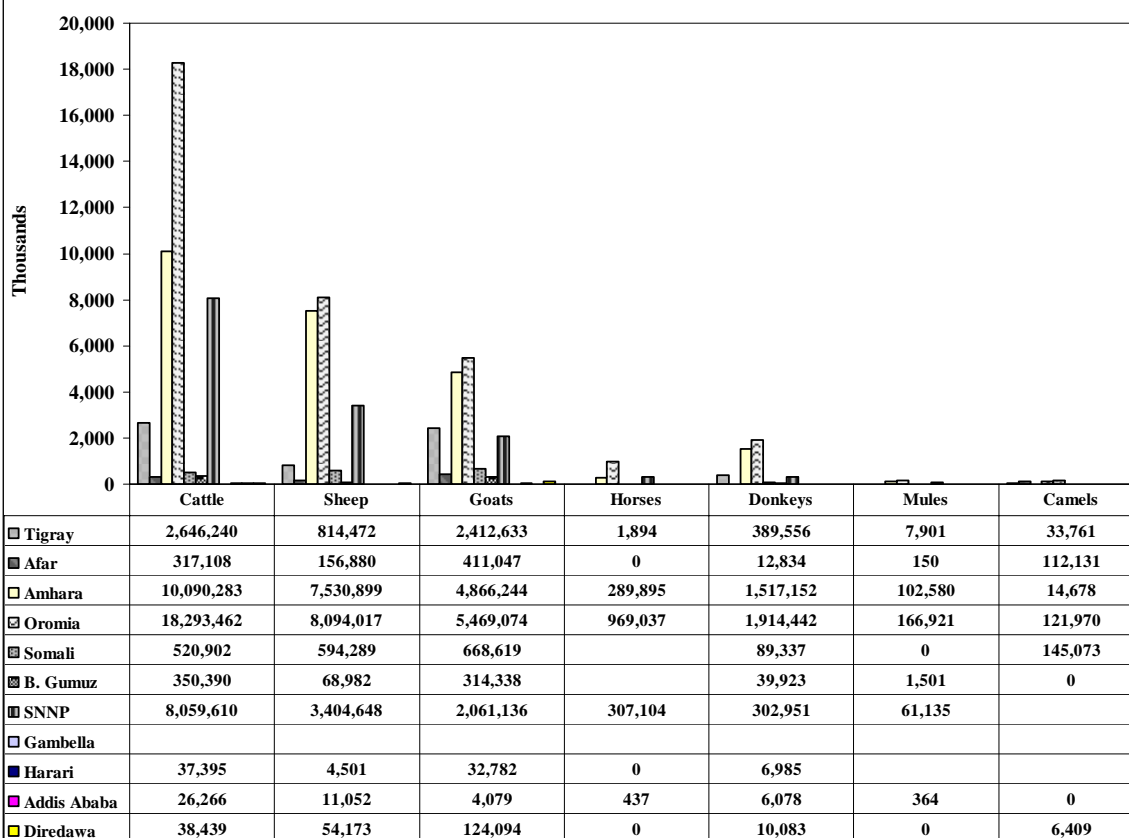
Considering the purpose of the mules, the data shows that the predominance was used for transportation and very few were intended for draught and other purposes. The survey result also indicates that 29.6 percent of the camels reported were kept for milk, 24.6 percent were for transportation, and only 1.2 percent was for draught purposes. On the other hand, the number of camels kept for meat was about 5.3 thousand heads (see also Figures III.6 to III.8).

**FIGURE III.8 DISTRIBUTION OF CAMELS BY PURPOSE AND SEX**



For the regional and zonal distributions of draught animals refer to the statistical tables presented at the end of this chapter and Figure III.9.

FIGURE III.9 DISTRIBUTION OF LIVESTOCK BY REGION



Remark: Gambella Region was not covered due to security reasons and the other blank Cells in the data table represent unreliable figures.

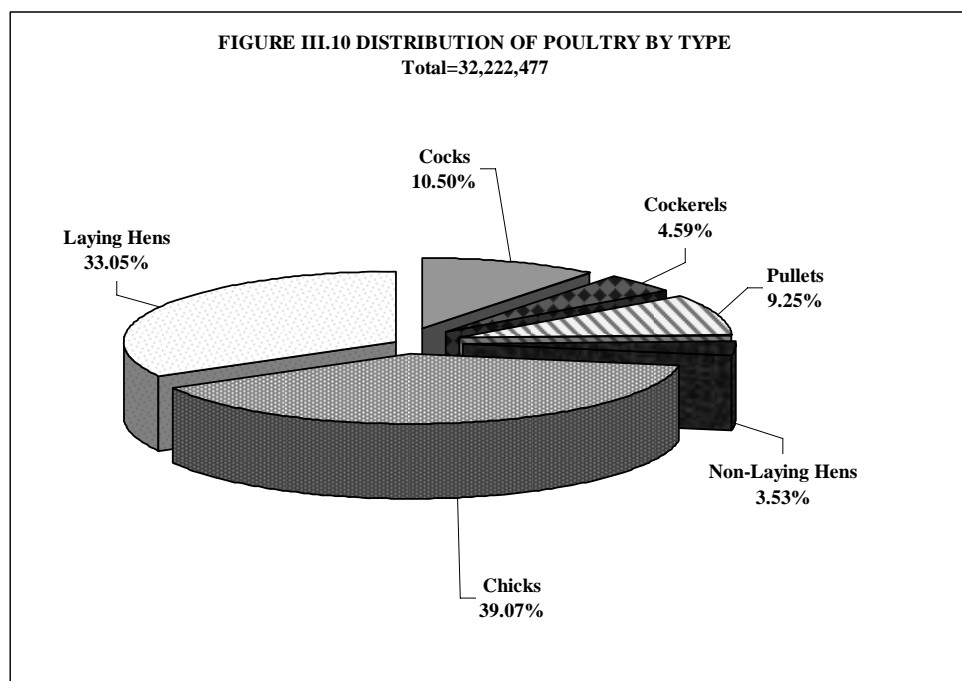
### 3.1.4 Poultry Population

Data on poultry population are collected as part of the livestock survey, and the total poultry population at country level is estimated to be about 32 million. In this report, poultry includes cocks, cockerels, pullets, laying hens, non-laying hens and chicks. Consequently, as shown in Summary Table III.4 and Figure III.10, most of the poultry are chicks (39.07 percent), followed by laying hens (33.05 percent). Pullets are estimated to be

2.98 million in the country. Cocks and cockerels are also estimated separately, and are 3.38 million and 1.48 million, respectively. The others are non-laying hens that make up about 3.53 percent (1.14 million) of the total poultry population in the country. With regard to breed, 94.12 percent, 4.36 percent and 1.52 percent of the total poultry were reported to be indigenous, hybrid and exotic, respectively. For the regional and zonal distributions of poultry refer to the statistical tables presented at the end of this chapter.

SUMMARY TABLE III.4: Estimated Number of Poultry by Type and Breed, Ethiopia - 2005/06

| Type of Poultry       | All        |       | Indigenous |       | Hybrid    |      | Exotic  |      |
|-----------------------|------------|-------|------------|-------|-----------|------|---------|------|
|                       | Number     | %     | Number     | %     | Number    | %    | Number  | %    |
| All Poultry .....     | 32,222,477 | 100   | 30,328,962 | 94.12 | 1,404,427 | 4.36 | 489,089 | 1.52 |
| Cocks .....           | 3,383,645  | 10.5  | 3,162,264  | 9.81  | 161,637   | 0.5  | 59,745  | 0.19 |
| Cockerels .....       | 1,478,202  | 4.59  | 1,390,445  | 4.32  | 74,159    | 0.23 | 13,598  | 0.04 |
| Pullets .....         | 2,981,903  | 9.25  | 2,766,972  | 8.59  | 135,122   | 0.42 | 79,809  | 0.25 |
| Non-Laying Hens ..... | 1,137,468  | 3.53  | 1,074,628  | 3.34  | 42,563    | 0.13 | 20,278  | 0.06 |
| Chicks .....          | 12,590,344 | 39.07 | 12,118,507 | 37.61 | 426,062   | 1.32 | 45,775  | 0.14 |
| Laying Hens.....      | 10,650,915 | 33.05 | 9,816,146  | 30.46 | 564,885   | 1.75 | 269,884 | 0.84 |





### 3.1.5 Beehive Population

Information on beehives was also collected during the livestock survey. As stated by the Ministry of Agriculture, there are three types of beehives, and these are traditional, intermediate, and modern.

*Traditional [Fixed comb] Hive* is a hollow structure made of cheap materials like clay, straw, bamboo, false banana leaves, logs, barks of tree, and animal dung. The bees fill all the available space with honeycombs from the top to down wards. The honeycombs cannot be removed since they are attached to the top and the sides of the hive. The honey can be removed only by removing one wall of the hive and breaking or cutting out the honeycomb (Reihard Fichtl and Admasu, 1994; Gezahegn Taddesse, 1993 E.C.).

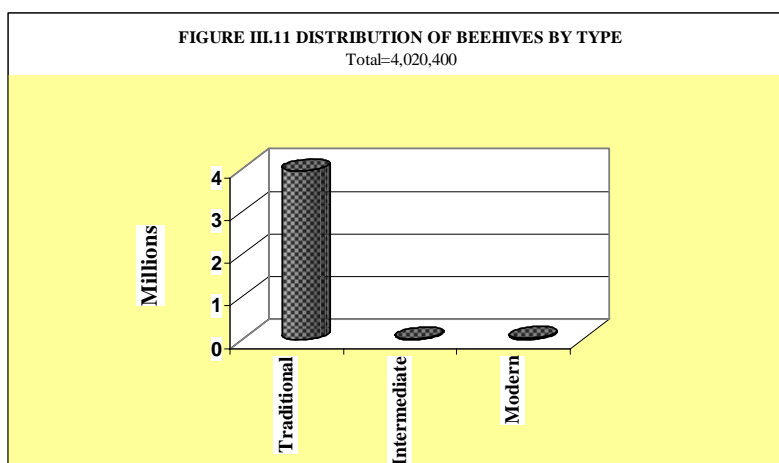
*Intermediate [Transitional] Hive* is a long trough-shaped box with sloping sidewalls covered with bars of a fixed width. The hive consists of a bottom board, two sidewalls and front and back walls. One opening is made in the front wall to serve as flight entrance. The cover of the hive can be made from any material, which gives adequate protection against light, sun, and rain (Gezahegn Taddesse, 1993 E.C.; P.Seegeren et al, 1996).

*Modern Hive [Hive with Frames]* is a brood (offspring) chamber (box) with a fixed bottom board and flight board. In the bottom board there is a ventilation hole of size (15cmx30cm), which can be covered with fine wire mesh or other suitable material. The brood chamber holds ten frames, which are kept separately at the right distance by means of side bar, or nails. Queen excluder (not necessary) placed horizontally on top of the brood chamber (Gezahegn Taddesse, 1993 E.C.; P.Seegeren et al, 1996).

Any type of the above beehives was enumerated if it produced honey at least once during the reference period (November 11, 2004 to November 10, 2005). Accordingly, the result of the survey revealed that a total of about 4.02 million hives is estimated to be found in the rural sedentary areas of the country. From this total hives, the greater part (98.63 percent) is reported to be traditional (see Summary Table III.5).

SUMMARY TABLE III.5: Estimated Number of Beehives by Type,  
Ethiopia - 2005/06

| Type of Beehive             | Number    | %     |
|-----------------------------|-----------|-------|
| All Beehives .....          | 4,020,410 | 100   |
| Traditional Beehives .....  | 3,965,494 | 98.63 |
| Intermediate Beehives ..... | 18,713    | 0.47  |
| Modern Beehives.....        | 36,202    | 0.90  |



For the regional and zonal distributions refer to the statistical tables presented at the end of this chapter.

### 3.2 NUMBERS OF BIRTHS, PURCHASES, AND ACQUIRED ANIMALS BY TYPE (ACQUISITION)

According to the survey result, about 38 million chickens, 9 million sheep, 7.5 million cattle and 7 million goats were born during the reference period in the rural sedentary and settlement areas of the country. Females accounted for the greater portions of most of the newly born animals (see Summary Table III.6).

With regard to other acquisitions, households have purchased about 13.6 million animals (either to build their stock or for some other reasons) and acquired about 1.4 million animals through gifts or any other means during the reference period (see Summary Table III.6).

**SUMMARY TABLE III.6 Estimated Numbers of Births, Purchases, and Acquired Animals by Type during the Reference Period, Ethiopia - 2005/06**

| Type of Livestock | Number of Births |            |            | Number of Purchases |           |           | Acquired by any Other Means |         |         |
|-------------------|------------------|------------|------------|---------------------|-----------|-----------|-----------------------------|---------|---------|
|                   | Total            | Male       | Female     | Total               | Male      | Female    | Total                       | Male    | Female  |
| Cattle .....      | 7,508,391        | 3,654,611  | 3,853,780  | 2,914,972           | 1,750,035 | 1,164,937 | 481,520                     | 219,562 | 261,958 |
| Sheep.....        | 9,190,361        | 4,352,930  | 4,837,430  | 3,210,323           | 1,388,318 | 1,822,005 | 343,378                     | 68,269  | 275,109 |
| Goats .....       | 6,992,088        | 3,278,141  | 3,713,947  | 1,471,832           | 389,936   | 1,081,896 | 216,995                     | 48,234  | 168,761 |
| Horses .....      | 134,185          | 67,417     | 66,768     | 251,190             | 155,200   | 95,990    | 13,410                      | 3,378   | 10,031  |
| Donkeys .....     | 355,596          | 181,243    | 174,353    | 432,518             | 247,985   | 184,533   | 19,132                      | 6,634   | 12,498  |
| Mules.....        | 20,637           | 11,352     | 9,285      | 54,366              | 28,120    | 26,245    | 1,676                       | *       | 1,091   |
| Camels.....       | 47,879           | 19,999     | 27,880     | 19,628              | 15,554    | 4,074     | 2,080                       | 553     | *       |
| Poultry .....     | 38,390,270       | 17,587,413 | 20,802,858 | 5,211,492           | 1,922,903 | 3,288,590 | 328,859                     | 75,870  | 252,989 |

### 3.3 NUMBERS OF SALES, SLAUGHTERS, DEATHS, AND OFFERINGS BY TYPE (ATTENUATION)

The estimated numbers of sales, slaughters, deaths and offered animals are indicated in Summary Table III.7. About 7.56 million chickens, 4.5 million sheep, 3.7 million cattle and 2.6 goats were sold and about 10.88 million animals (chicken, cattle, sheep, goats and camels) were slaughtered by households during the reference period. The estimated number of deaths is about 36 million animals and households have also offered 1.06 million animals to their relatives or others as gifts.

**SUMMARY TABLE III.7 Estimated Numbers of Sales, Slaughters, Deaths, and Offerings by Type during the Reference Period, Ethiopia - 2005/06**

| Type of Livestock | Number of Sales |           |           | Number of Slaughters |           |           | Number of Deaths* |            |            | Offerings |         |         |
|-------------------|-----------------|-----------|-----------|----------------------|-----------|-----------|-------------------|------------|------------|-----------|---------|---------|
|                   | Total           | Male      | Female    | Total                | Male      | Female    | Total             | Male       | Female     | Total     | Male    | Female  |
| Cattle            | 3,725,171       | 2,291,783 | 1,433,388 | 296,888              | 162,519   | 134,369   | 3,209,736         | 1,432,158  | 1,777,579  | 359,371   | 151,448 | 207,923 |
| Sheep             | 4,544,756       | 2,469,426 | 2,075,330 | 1,971,427            | 1,522,216 | 449,211   | 3,273,934         | 1,070,910  | 2,203,024  | 259,620   | *       | 126,168 |
| Goats             | 2,586,885       | 1,314,112 | 1,272,773 | 1,029,116            | 737,675   | 291,441   | 3,023,673         | 1,081,597  | 1,942,075  | 128,451   | 36,686  | 91,765  |
| Horses            | 191,829         | 128,167   | 63,662    |                      |           |           | 167,556           | 83,199     | 84,312     | *         | 2,030   | *       |
| Donkeys           | 259,106         | 154,629   | 104,477   |                      |           |           | 259,872           | 123,941    | 135,932    | 9,121     | 3,859   | 5,263   |
| Mules             | 34,678          | 18,077    | 16,601    |                      |           |           | 25,905            | 14,356     | 11,549     | *         | *       | *       |
| Camels            | 19,795          | 16,091    | 3,704     | 6,935                | 4,468     | 2,468     | 28,308            | 11,622     | 16,686     | 1,228     | *       | *       |
| Poultry           | 7,562,891       | 4,014,050 | 3,548,841 | 7,578,254            | 4,558,060 | 3,020,194 | 26,294,404        | 11,001,969 | 15,292,435 | 306,183   | 98,080  | 208,103 |

\* Includes animals that died from diseases and other causes

### **3.4 LIVESTOCK PRODUCTS**

This section summarizes results on livestock products at country level. The various animal products include milk and milk products, eggs, wool, meat, hides and skins. Although data on such livestock products are not easily obtainable in the Ethiopian traditional agricultural sector, an endeavor was made to collect data on milk and honey productions. The data were collected subjectively from the holders in the sampled households and the results obtained are briefly discussed below.

#### **3.4.1 Milk Production**

Estimation of milk production entails three components, namely number of milking cows, number of months milking cows actually milked within the reference period and average milk production per cow per day. Hence, data on these components have been collected and the total milk production in the sedentary areas of the country is estimated by multiplying these three components. However, two basic concepts about milk production should be mentioned here. “Gross production”, which includes whole fresh milk actually milked and milk sucked by young animals and also milk fed to other animals. “Net production” consists of whole milk actually milked and milk fed to other animals but excludes milk sucked by young animals. Therefore, in the case of this survey, milk production is estimated based on the concept of “net production”, and as indicated in Summary Table III.8, the estimate of total cow milk production for the rural sedentary and resettlement areas of the country during the reference period, is about 2.32 billion liters. On the other hand, the estimate of camel milk for the same areas of the country is about 95.79 million liters.

Data on lactation period and average milk yield per cow per day were also collected. As a result, the average lactation period per cow during the reference period at country level is estimated to be about *six* months, and average milk yield per cow per day is about 1.357

liters. With regard to camel, the average lactation period is about *eleven* months whereas the average daily milk yield is about 3.667 liters in the sedentary areas of the country.

### **3.4.2 Honey Production**

To estimate honey production, number of hives, frequency of honey production and honey production per harvest are required. Therefore, these data were collected from the holders within sampled households in the rural sedentary areas of the country. As a result, the estimate of total honey production is about 41.58 million kilograms of which the greater portion is harvested from traditional hives (see Summary Table III.8).

As can be seen from the survey data, honey was harvested on average 1.49, 1.39, and 1.36 times during the reference period from traditional, intermediate and modern hives, respectively (see Summary Table III.8).

### **3.4.3 Egg Production**

To estimate egg production, the average number egg laying periods per hen per annum, length of a single egg-laying period per hen, and average number of eggs laid per hen per egg-laying period are required. Therefore, these data were collected from the livestock holders within sampled livestock owned households. As a result, the estimate of total number of eggs produced during the year is about 67.46 million (Summary Table III.8). Average egg-laying period per hen and average number of eggs laid per hen during the reference period are also estimated for local, hybrid and exotic breeds. Consequently, the average number egg-laying period per hen per year is about *four, five* and *one* for the local, hybrid and exotic breeds, respectively. The average length of a single egg-laying period per hen is estimated to be about 20, 38 and 102 days for local, hybrid and exotic breeds, in that order. The average number of eggs laid per hen per egg- laying period in the country is about 12, 32 and 98 eggs, correspondingly (see Summary Table III.8)

**SUMMARY TABLE III.8: Milk, Honey, and Egg Production,  
Ethiopia - 2005/06**

| Item  | Quantity Produced and Frequency |               |               |
|---|---------------------------------|---------------|---------------|
| <b>Milk Production</b>                          |                                 |               |               |
| <b>Cow Milk</b>                                 |                                 |               |               |
| Average Daily Milk Production (Liters/Cow)...   |                                 |               | 1.357         |
| Average Lactation Period (Months) .....         |                                 |               | 6             |
| Total Milk Production (Liters) .....            |                                 |               | 2,321,143,253 |
| <b>Camel Milk</b>                               |                                 |               |               |
| Average Daily Milk Production (Liters/Camel)... |                                 |               | 3.667         |
| Average Lactation Period (Months) .....         |                                 |               | 11            |
| Total Milk Production (Liters) .....            |                                 |               | 95,793,359    |
| <b>Honey Production</b>                         |                                 |               |               |
| All Types of Beehives (Number).....             |                                 |               | 4,020,410     |
| Production (Kilograms) .....                    |                                 |               | 41,579,435    |
| Average Frequency (Harvests/Year) .....         |                                 |               | 1.49          |
| Traditional Beehives (Number).....              |                                 |               | 3,965,494     |
| Production (Kilograms) .....                    |                                 |               | 40,657,751    |
| Average Frequency (Harvests/Year) .....         |                                 |               | 1.49          |
| Intermediate Beehives (Number).....             |                                 |               | 18,713        |
| Production (Kilograms) .....                    |                                 |               | 242,957       |
| Average Frequency (Harvests/Year) .....         |                                 |               | 1.39          |
| Modern Beehives (Number).....                   |                                 |               | 36,202        |
| Production (Kilograms) .....                    |                                 |               | 678,727       |
| Average Frequency (Harvests/Year) .....         |                                 |               | 1.36          |
| <b>Egg Production</b>                           | <b>Indigenous</b>               | <b>Hybrid</b> | <b>Exotic</b> |
| Average Number of Egg-laying Period/Year.....   | 4                               | 5             | 1             |
| Average Length of a Period (in days).....       | 20                              | 38            | 102           |
| Average Number of Eggs/Hen/Period.....          | 12                              | 32            | 98            |
| Total Egg Production (Number).....              | 57,495,330                      | 7,395,384     | 2,568,899     |

### **3.5 LIVESTOCK VACCINATION, DISEASE, AND TREATMENT**

Diseases have numerous negative impacts on productivity of herds i.e. death of animals, loss of weights, slow down growth, poor fertility performance, decrease in physical power and the likes. There have been many ways of fighting against diseases and among these, vaccinations (preventive measures) and treatments (curative measures) are the major ones. However, no efficient fight against disease or disease prevention is possible if descriptive data on prevalence of diseases, vaccinations, and treatments are not available. The availability of these data is also very important to set-up strategies that can assist in preventing and controlling diseases, by and large in improving veterinary services of the country. Hence, it was considered desirable to collect information on vaccinations, treatments, diseases and deaths of animals.

**SUMMARY TABLE III.9a: Estimated Number of Vaccinated Livestock by Type,  
Ethiopia - 2005/06**

| Type of Livestock           | Total<br>Vaccinated | Vaccinated against: |           |                      |                           |           |
|-----------------------------|---------------------|---------------------|-----------|----------------------|---------------------------|-----------|
|                             |                     | Anthrax             | Blackleg  | Pleuro-<br>Pneumonia | Hemorrhagic<br>Septicemia | Others    |
| Cattle .....                | 8,589,825           | 3,409,419           | 2,728,383 | 900,339              | 1,237,421                 | 1,417,101 |
| Sheep .....                 | 1,490,408           | 247,237             | 162,964   | 444,116              | 224,852                   | 506,772   |
| Goats .....                 | 1,555,209           | 228,020             | 139,684   | 335,798              | 489,004                   | 389,604   |
| Horses, Donkeys, and Mules. | 624,033             | 152,876             | 86,561    | 62,685               | 58,914                    | 253,070   |
| Camels .....                | 35,941              | 5,332               | *         | 19,851               | *                         | 2,096     |
| Poultry .....               | 183,308             |                     |           |                      |                           |           |

**SUMMARY TABLE III.9b: Estimated Numbers of Livestock Afflicted and  
Treated, Ethiopia - 2005/06**

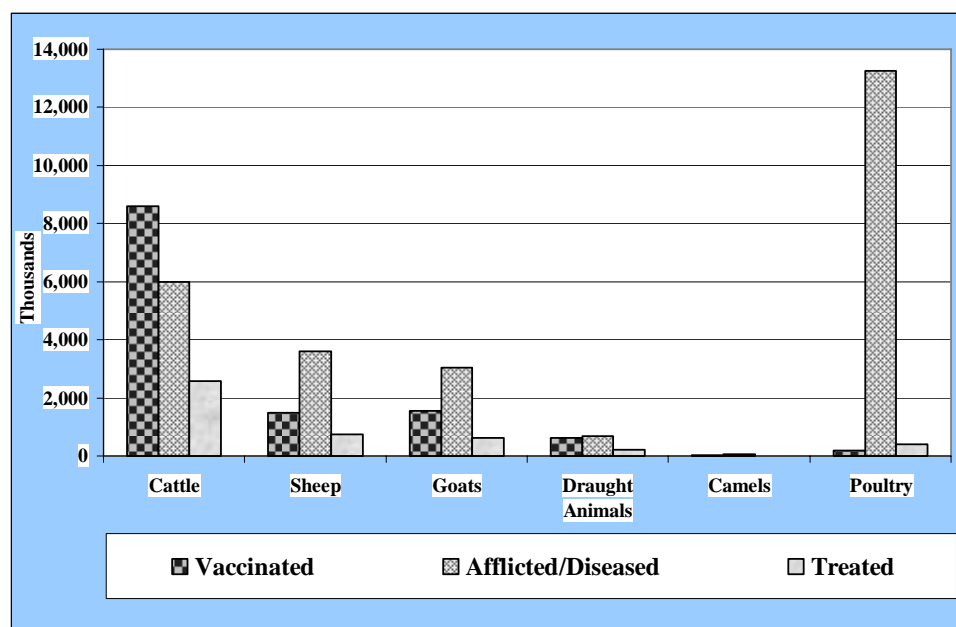
| Item                         | Number     | %     |
|------------------------------|------------|-------|
| Total Afflicted .....        | 26,596,233 | 100   |
| Cattle .....                 | 5,982,429  | 22.49 |
| Sheep .....                  | 3,588,059  | 13.49 |
| Goats .....                  | 3,044,692  | 11.45 |
| Horses, Donkeys, and Mules . | 678,276    | 2.55  |
| Camels .....                 | 54,876     | 0.21  |
| Poultry .....                | 13,247,901 | 49.81 |
| Total Treated .....          | 4,607,537  | 100   |
| Cattle .....                 | 2,590,590  | 56.23 |
| Sheep .....                  | 735,931    | 15.97 |
| Goats .....                  | 627,380    | 13.62 |
| Horses, Donkeys, and Mules . | 227,698    | 4.94  |
| Camels .....                 | 14,623     | 0.32  |
| Poultry .....                | 411,315    | 8.93  |

Data on these parameters specifically on numbers of vaccinated, afflicted, and treated animals were therefore collected and the results are shown in Summary Tables III.9a and III.9b. The estimated number of vaccinated animals within the reference period in the rural areas of the country is about 12.48 million. Out of these animals, about 68.8 percent were cattle followed by goats, which took about 12.46 percent share. Sheep and draught animals (horses, donkeys, and mules) also accounted for about 11.94 percent, and 5 percent of the total vaccinated animals, respectively. The estimated number of vaccinated camels in the country is about 35.9 thousand, which is only 0.29 percent of the total vaccinated animals.

As indicated in Summary Tabel III.9b, about 26.6 million animals were diseased / afflicted by different types of diseases during the reference period and only 4.6 million of them were treated. The cattle constituted about 56.23 percent of the total treated animals in the country and substantial numbers of sheep and goats were treated as well (see Summary

Table III.9b). For the regional and zonal distributions refer to the statistical tables presented at the end of this chapter.

**FIGURE III.12 DISTRIBUTION OF ANIMALS VACCINATED, AFFLICTED, AND TREATED  
BY TYPE**



### 3.6 NUMBER OF HOLDINGS BY SIZE OF LIVESTOCK\*

Concerning the number of holdings by size of livestock, the summary results for cattle, sheep, goats, draught animals, and poultry are given in the following tables (Summary Table III.10a – d).

Most of the holdings, about 53.5 percent, reported one to four cattle and considerable portion (about 22 percent) of the holdings possess five to nine cattle. About 18.7 percent of the total holdings were also without cattle during the reference date (Summary Table III.10a).

\* The measures of size used for classification were adapted from FAO recommendation (2005).



Summary Table III.10a: Number of Holdings by Size of Cattle,  
Ethiopia - 2005/06

| Size                       | Number of Holdings | %     |
|----------------------------|--------------------|-------|
| All Holdings.....          | 11,334,016         | 100   |
| Holdings with no Cattle... | 2,122,788          | 18.73 |
| 1-2 Head.....              | 3,050,151          | 26.91 |
| 3-4 Head.....              | 3,013,547          | 26.59 |
| 5-9 Head.....              | 2,489,451          | 21.96 |
| 10-19 Head.....            | 571,917            | 5.05  |
| 20-49 Head.....            | 80,515             | 0.71  |
| 50-99 Head.....            | 5,077              | 0.04  |
| 100-199 Head.....          | 570                | 0.01  |
| >=200 Head.....            | -                  | -     |

The result of the survey also revealed that about 24 percent and 17 percent of the total holdings were with one to four head of sheep and goats, in that order. The majority of the holdings, about 62 percent and about 72 percent have reported no sheep and no goat, correspondingly (see Summary Table III.10b).

Summary Table III.10b: Number of Holdings by Sizes of Sheep and Goats,  
Ethiopia – 2005/06

| Size                          | Sheep              |       | Goats              |       |
|-------------------------------|--------------------|-------|--------------------|-------|
|                               | Number Of Holdings | %     | Number of Holdings | %     |
| All Holdings.....             | 11,334,016         | 100   | 11,334,016         | 100   |
| Holdings with no Sheep/Goats. | 7,059,386          | 62.28 | 8,161,647          | 72.01 |
| 1-4 Head.....                 | 2,716,903          | 23.97 | 1,948,297          | 17.19 |
| 5-9 Head.....                 | 1,079,602          | 9.53  | 840,176            | 7.41  |
| 10-49 Head.....               | 474,623            | 4.19  | 375,442            | 3.31  |
| 50-99 Head.....               | 2,713              | 0.02  | 7,420              | 0.07  |
| 100-199 Head.....             | 789                | 0.01  | 1,034              | 0.01  |
| 200-499 Head.....             | -                  | -     | -                  | -     |
| >=500 Head.....               | -                  | -     | -                  | -     |

With regard to draught animals, from the holdings that owned draught animals, most of them were with one to two head. About 99 percent, 97 percent, 91 percent, and 73 percent of the total holdings were with no camel; no mule, no horse, and no donkey, respectively (see Summary Table III.10c).

Summary Table III.10c: Number of Holdings by Size of Draught Animals,  
Ethiopia - 2005/06

| Size                      | Horses             |       | Donkeys            |       | Mules              |       | Camels             |      |
|---------------------------|--------------------|-------|--------------------|-------|--------------------|-------|--------------------|------|
|                           | Number of Holdings | %     | Number of Holdings | %     | Number of Holdings | %     | Number of Holdings | %    |
| All Holdings.....         | 11,334,016         | 100   | 11,334,016         | 100   | 11,334,016         | 100   | 11,334,016         | 100  |
| Holdings with no Animals. | 10,335,782         | 91.19 | 8,282,327          | 73.07 | 11,019,162         | 97.22 | 11,221,134         | 99   |
| 1-2 Head.....             | 877,747            | 7.74  | 2,853,334          | 25.17 | 311,917            | 2.75  | 72,228             | 0.64 |
| 3-4 Head.....             | 105,474            | 0.93  | 180,984            | 1.6   | 2,540              | 0.02  | 18,328             | 0.16 |
| 5-9 Head.....             | 14,721             | 0.13  | 17,302             | 0.15  | 397                | 0.0   | 13,781             | 0.12 |
| >= 10 Head.....           | 292                | 0.00  | 69                 | 0.0   | -                  | -     | 8,545              | 0.08 |

The size of poultry that most holdings reported is the one to nine size group followed by the 10 to 49 size group. Sizeable (45.59 percent) holdings were also without poultry (see Summary Table III.10d).

Summary Table III.10d: Number of Holdings by size of Poultry,  
Ethiopia - 2005/06

| Size                        | Number of Holdings | %     |
|-----------------------------|--------------------|-------|
| All Holdings.....           | 11,334,016         | 100   |
| Holdings with no Poultry... | 5,166,664          | 45.59 |
| 1-9 Head.....               | 5,217,523          | 46.03 |
| 10-49 Head.....             | 949,306            | 8.38  |
| 50-99 Head.....             | 523                | 0.0   |
| 100-199 Head.....           | -                  | -     |
| 200-499 Head.....           | -                  | -     |

### 3.7 ANIMAL FEED

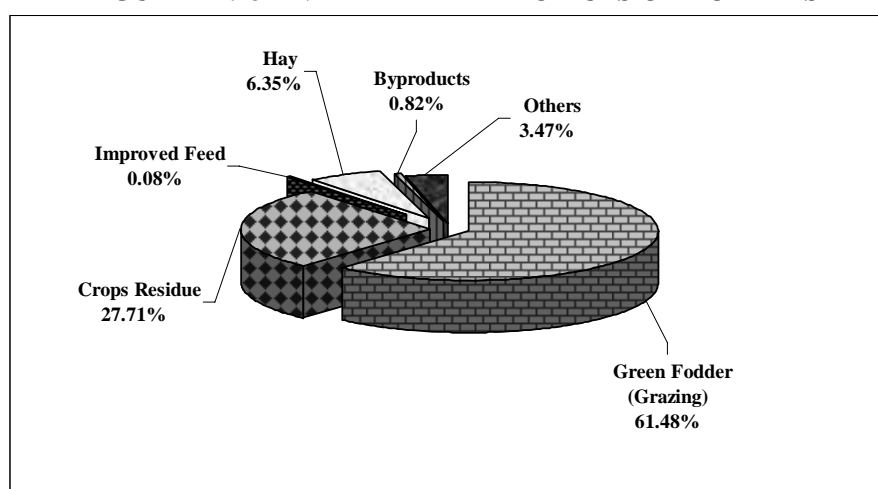
Data on animal feed practices of holders in the rural sedentary areas of the country were gathered to assess the feed utilization experience. For the purpose of this report, animal feeds are classified as green fodder (grazing), crop residue, improved feed, hay, industrial by-products, and other feeds. *Green fodder* is simply pasture grasses; *crop residue* includes harvested by-products (straw and chaff of cereals and pulses, etc.); *improved feed* is like alfalfa; *hay* includes any type of grass, clover etc. cut and dried as fodder; and finally industrial *by-products* are like oil cake (rapeseed cake, nueg cake, sunflower cake, etc.), bran, and brewery residue.

According to the information collected on feed usage experience of holders in the rural areas of the country, green fodder (grazing) is the major type of feed (about 61.48 percent) followed by crops residue that is 27.71 percent. Hay and by-products were also used as animal feeds that comprise about 6.35 and 0.82 percent of the total feeds, respectively. Moreover, as shown in Summary Table III.11 and Figure III.13, very small amount of improved feed (only 0.08 percent) was used as animal feed and other types of feed that accounted for about 3.47 percent were also used in the country.

SUMMARY TABLE III.11: Animal Feed Practices in Ethiopia - 2005/06

| Item                       | Number of Holders Reporting | Percentage from the total feed utilized |
|----------------------------|-----------------------------|---|
| Total                      |                             | 100                                     |
| Green Fodder/Grazing ..... | 9,987,508                   | 61.48                                   |
| Crops Residue .....        | 8,411,280                   | 27.71                                   |
| Improved Feed .....        | 45,620                      | 0.08                                    |
| Hay .....                  | 2,932,179                   | 6.35                                    |
| By-products .....          | 724,340                     | 0.82                                    |
| Others .....               | 2,638,238                   | 3.47                                    |

FIGURE III.13 ANIMAL FEED PRACTICES OF HOLDERS



Summary Table III.11 also highlights the number of holders reported each type of feed. According to the data, about 9.98 million holders have used green fodder to feed their animals. Significant number of holders (about 8.4 million) in the rural areas of the country also reported that they used to feed crops residue for their animals. Moreover, about 2.92 million, and 0.72 million holders have reported to use hay and by-products, respectively. Quite a number of holders (about 2.6 million) as well reported using other types of feeds while about 46 thousand holders reported to use the improved feed.

Sources of animal feeds were also assessed and most holders used their own holding as a source to all feeds except for grazing. According to the survey result, communal holdings were the major source of green fodder for the majority of the holders during the reference period. Considerable number of holders has also purchased different types of feed to nourish their animals (see Summary Table III.12).

**SUMMARY TABLE III.12 Estimated Number of Holders  
Reporting Animal Feed by Source and Type of Feed, Ethiopia - 2005/06**

| Source of Feed                  | Green fodder/<br>Grazing | Crops<br>Residue | Improved<br>Feed | Hay       | By-<br>products | Others    |
|---------------------------------|--------------------------|------------------|------------------|-----------|-----------------|-----------|
| All Sources.....                | 9,978,680                | 8,399,834        | 44,427           | 2,922,676 | 718,815         | 2,613,116 |
| Own Holding.....                | 3,458,601                | 7,502,437        | 33,315           | 1,973,588 | 357,731         | 1,772,621 |
| Purchased.....                  | 203,319                  | 136,133          | 6,562            | 437,272   | 318,219         | 394,747   |
| Communal Holdings/Government    | 3,462,438                | 78,089           | 2,712            | 63,905    | 1,528           | 59,086    |
| From any Two or More Sources... | 2,610,791                | 566,358          | 1,137            | 406,133   | 23,134          | 205,927   |
| Other Sources.....              | 243,531                  | 116,817          | 701              | 41,778    | 18,203          | 180,735   |

### **3.8 LIVESTOCK EXTENSION**

This section of the survey results elicited information about livestock extension packages practiced by holders during the reference period. As can be seen from Summary Table III.13, a total of about 228 thousand holders (i.e. only two percent of the total holders) were involved in livestock extension packages during the reference period. More than half of these holders were involved in poultry development package. Some holders were also engaged in dairy, beef and honey development packages. Few holders practiced at least two types of packages concurrently within the reference period.

**SUMMARY TABLE III.13 Estimated Number of Holders Practiced Livestock  
Extension Packages during the Reference Period by Type of Package,  
Ethiopia - 2005/06**

| Type of Livestock Extension Packages      | Number of Holders<br>Practiced | %     |
|---|--------------------------------|-------|
| Total .....                               | 227,903                        | 100   |
| Dairy Development Package.....            | 37,783                         | 16.58 |
| Beef/Meat/Mutton Development Package..... | 29,646                         | 13.01 |
| Poultry Development Package.....          | 123,736                        | 54.29 |
| Honey and Wax Development Package.....    | 23,172                         | 10.17 |
| Two or More of the Packages.....          | 13,566                         | 5.95  |

**STATISTICAL TABLES PRESENTING  
RESULTS AT  
ZONE AND REGION LEVEL**

**PART I – ESTIMATES FOR USUAL SEDENTARY RURAL AREAS**

**TABLES 3.1–3.30**

# Part I – Usual Sedentary Rural Areas

TABLE 3-1: NUMBER OF LIVESTOCK BY TYPE OF ANIMAL, ZONE, AND REGION

| Geographic Area   | ALL LIVESTOCK |            |            |           |           |         |         |            |           |
|-------------------|---------------|------------|------------|-----------|-----------|---------|---------|------------|-----------|
|                   | CATTLE        | SHEEP      | GOATS      | HORSES    | DONKEYS   | MULES   | CAMELS  | POULTRY    | BEEHIVES  |
| <b>Ethiopia</b>   | 40,281,110    | 20,721,562 | 16,248,899 | 1,569,318 | 4,280,542 | 340,572 | 436,622 | 32,032,199 | 4,012,515 |
| <b>Tigray</b>     | 2,622,166     | 813,546    | 2,399,808  | 1,894     | 387,389   | 7,901   | 32,777  | 3,131,239  | 182,341   |
| North West Tigray | 697,959       | 79,000     | 824,966    | *         | 66,199    | *       | 5,219   | 789,638    | 33,906    |
| Central Tigray    | 592,961       | 213,888    | 844,113    | -         | 102,220   | 2,257   | 6,814   | 934,123    | 48,663    |
| Eastern Tigray    | 291,405       | 338,565    | 169,232    | *         | 70,681    | *       | *       | 420,529    | 39,576    |
| Southern Tigray   | 616,556       | 157,611    | 306,510    | *         | 115,251   | 2,948   | 16,909  | 586,680    | 46,180    |
| Western Tigray    | 423,285       | *          | 254,986    | *         | 33,037    | 1,001   | 1,963   | 400,269    | 14,016    |
| <b>Afar</b>       | 317,108       | 156,880    | 411,047    | -         | 12,834    | 150     | 112,131 | 49,429     | 447       |
| Zone 1            | 119,954       | 47,393     | 122,518    | -         | *         | -       | *       | 817        | *         |
| Zone 3            | 197,154       | 109,487    | 288,529    | -         | 10,292    | 150     | 93,051  | 48,612     | 434       |
| <b>Amhara</b>     | 10,077,301    | 7,530,518  | 4,856,472  | 289,895   | 1,513,891 | 102,580 | 14,678  | 9,400,917  | 791,661   |
| North Gondar      | 1,738,274     | 625,277    | 1,114,883  | 38,777    | 199,659   | 12,744  | *       | 2,137,788  | 175,788   |
| South Gondar      | 1,209,617     | 759,047    | 523,517    | 21,705    | 172,485   | 16,139  | -       | 990,287    | 98,399    |
| North Wolo        | 808,510       | 646,663    | 619,610    | 15,870    | 137,916   | 13,678  | 5,225   | 979,818    | 55,834    |
| South Wolo        | 1,404,928     | 1,926,023  | 770,052    | 39,369    | 273,783   | 19,867  | *       | 1,417,326  | 82,102    |
| North Shewa       | 1,115,344     | 1,332,610  | 662,213    | 43,473    | 272,665   | 11,124  | *       | 1,151,952  | 53,181    |
| East Gojam        | 1,194,047     | 1,187,431  | 245,314    | 61,748    | 181,315   | 10,321  | -       | 622,652    | 80,829    |
| West Gojam        | 1,373,260     | 613,609    | 274,139    | 15,480    | 153,629   | 12,326  | *       | 1,147,231  | 118,663   |
| Waghamera         | 249,217       | 67,728     | 367,523    | *         | 45,177    | 1,772   | -       | 254,309    | 46,932    |
| Awi               | 708,180       | 340,888    | 130,485    | 53,100    | 49,091    | 4,113   | -       | 467,490    | 68,078    |
| Oromia            | 275,925       | 31,241     | 148,737    | *         | 28,172    | *       | 5,506   | 232,063    | 11,855    |
| <b>Oromia</b>     | 18,247,970    | 8,084,573  | 5,383,640  | 969,037   | 1,911,225 | 166,921 | 121,970 | 12,226,799 | 2,155,768 |
| West Wellega      | 1,103,436     | 419,379    | 112,394    | *         | 109,104   | 9,459   | -       | 1,388,427  | 491,599   |
| East Wellega      | 1,419,897     | 410,139    | 179,238    | 48,913    | 108,685   | 11,469  | -       | 894,843    | 197,854   |
| Illubabor         | 757,851       | 353,880    | 100,740    | 34,317    | 13,912    | 10,365  | -       | 705,480    | 374,261   |
| Jimma             | 1,856,632     | 820,764    | 240,997    | 87,297    | 54,970    | 28,812  | -       | 1,480,476  | 338,262   |
| West Shewa        | 1,728,925     | 1,051,199  | 236,991    | 174,410   | 125,486   | 9,828   | -       | 908,623    | 165,390   |
| North Shewa       | 1,176,407     | 1,097,904  | 176,218    | 98,282    | 174,029   | 5,155   | -       | 501,426    | 36,281    |
| East Shewa        | 1,402,079     | 389,421    | 588,092    | 12,020    | 294,701   | 8,516   | *       | 1,088,041  | 28,217    |
| Arsi              | 2,443,210     | 1,638,457  | 448,849    | 227,326   | 307,648   | 32,192  | *       | 1,365,259  | 128,947   |
| West Harerghe     | 844,219       | 175,205    | 741,514    | *         | 145,765   | 2,509   | 15,789  | 1,006,851  | 50,635    |
| East Harerghe     | 927,256       | 325,452    | 889,342    | *         | 167,528   | *       | *       | 976,583    | 58,125    |
| Bale              | 1,732,326     | 717,454    | 626,174    | 150,801   | 189,914   | 19,301  | 21,655  | 567,696    | 112,311   |
| Borena            | 1,170,157     | 190,731    | 595,738    | 2,036     | 63,024    | 4,690   | 38,804  | 374,562    | 60,865    |
| South West Shewa  | 740,129       | 191,041    | 183,195    | 20,855    | 116,421   | 13,173  | -       | 535,750    | 44,429    |
| Guji              | 945,445       | 303,547    | 264,156    | 104,563   | 40,039    | 11,170  | *       | 432,782    | 68,592    |

TABLE 3-1 CONT'D

| Geographic Area         | ALL LIVESTOCK |           |           |         |         |        |         |           |          |
|-------------------------|---------------|-----------|-----------|---------|---------|--------|---------|-----------|----------|
|                         | CATTLE        | SHEEP     | GOATS     | HORSES  | DONKEYS | MULES  | CAMELS  | POULTRY   | BEEHIVES |
| <b>Somale</b>           | 520,902       | 594,289   | 668,619   | *       | 89,337  | -      | 145,073 | 92,489    | *        |
| Shinele                 | 12,322        | 32,502    | 74,213    | -       | 2,844   | -      | 4,717   | 3,907     | -        |
| Jijiga                  | 370,063       | 416,193   | 361,636   | *       | 63,971  | -      | 55,575  | 54,388    | *        |
| Liben                   | 138,517       | 145,594   | 232,770   | -       | 22,523  | -      | 84,781  | 34,194    | *        |
| <b>Benshangul-Gumuz</b> | 350,390       | 68,931    | 314,277   | *       | 39,923  | 1,501  | -       | 635,634   | 153,829  |
| Metekel                 | 240,883       | 42,085    | 114,281   | *       | 17,272  | 1,048  | -       | 246,844   | 87,346   |
| Asosa                   | 68,927        | 13,167    | 152,480   | -       | 17,664  | *      | -       | 295,511   | 51,857   |
| Kemeshi                 | 40,580        | 13,680    | 47,516    | -       | 4,987   | 239    | -       | 93,280    | 14,626   |
| <b>SNNP</b>             | 8,043,173     | 3,403,098 | 2,054,080 | 307,104 | 302,798 | 61,135 | *       | 6,391,051 | 720,692  |
| Gurage                  | 886,657       | 303,003   | 118,585   | 54,359  | 41,246  | 2,108  | -       | 554,514   | 37,153   |
| Hadiya                  | 637,157       | 237,027   | 112,961   | 18,715  | 46,365  | 10,161 | -       | 681,803   | 43,264   |
| Kembata Tembaro         | 289,498       | 109,121   | 41,075    | 7,669   | 21,926  | 1,804  | -       | 274,143   | 17,177   |
| Sidama                  | 1,488,065     | 390,097   | 193,173   | 65,031  | 41,048  | 3,366  | *       | 803,856   | 54,887   |
| Gedio                   | 124,734       | 171,268   | 9,410     | 23,578  | 2,408   | 4,454  | -       | 152,042   | 17,860   |
| Wolayita                | 811,119       | 181,084   | 120,000   | *       | 34,690  | 1,605  | -       | 655,280   | 16,006   |
| South Omo               | 481,145       | 353,483   | 556,492   | 9,772   | 6,072   | 3,041  | -       | 350,004   | 68,977   |
| Shaka                   | 83,858        | 49,128    | 8,455     | 3,921   | 1,380   | *      | -       | 116,245   | 84,998   |
| Kaffa                   | 614,605       | 376,268   | 102,293   | 53,419  | *       | 12,781 | -       | 577,441   | 193,954  |
| Gamo Gofa               | 939,980       | 478,036   | 226,250   | 30,904  | 11,887  | 6,002  | -       | 573,071   | 52,353   |
| Bench Maji              | 360,961       | 174,823   | 41,030    | 12,537  | *       | 2,234  | -       | 483,084   | 49,571   |
| Yem Sp. Wereda          | 51,196        | 24,990    | 19,256    | 411     | 2,652   | 113    | -       | 35,818    | 6,982    |
| Amaro Sp. Wereda        | 95,735        | 50,835    | 43,548    | 3,007   | 1,059   | 1,293  | -       | 60,163    | 4,350    |
| Burji Sp. Wereda        | 32,528        | 3,128     | 24,242    | -       | 3,603   | *      | -       | 24,919    | 739      |
| Konso Sp. Wereda        | 89,426        | 81,837    | 134,253   | -       | 3,824   | -      | -       | 109,341   | 11,075   |
| Derashe Sp. Wereda      | 74,677        | 11,954    | 67,589    | *       | 8,062   | *      | -       | 97,176    | 4,934    |
| Dawro                   | 300,702       | 99,014    | 45,448    | 5,549   | 3,317   | 4,405  | -       | 154,894   | 20,278   |
| Basketo Sp. Wereda      | 25,449        | 13,267    | 4,222     | 292     | *       | 529    | -       | 41,305    | 1,648    |
| Konta Sp. Wereda        | 57,628        | 16,711    | 8,556     | 895     | *       | 613    | *       | 57,974    | 9,348    |
| Silte                   | 477,158       | 242,693   | 128,662   | 14,628  | 55,062  | 5,579  | *       | 484,736   | 19,485   |
| Alaba Sp. Wereda        | 120,893       | 35,330    | 48,582    | 1,973   | 16,900  | 513    | -       | 103,241   | 5,653    |
| <b>Harari</b>           | 37,395        | 4,501     | 32,782    | -       | 6,985   | *      | *       | 33,329    | 596      |
| Hundene                 | 37,395        | 4,501     | 32,782    | -       | 6,985   | *      | *       | 33,329    | 596      |
| <b>Addis Ababa</b>      | 26,266        | 11,052    | 4,079     | 437     | 6,078   | 364    | -       | 22,156    | 391      |
| Zone 3                  | 17,906        | 7,916     | 2,801     | 279     | 3,772   | 149    | -       | 14,789    | 139      |
| Zone 6                  | 8,360         | 3,136     | 1,278     | 159     | 2,306   | 215    | -       | 7,367     | 252      |
| <b>Dire Dawa</b>        | 38,439        | 54,173    | 124,094   | -       | 10,083  | -      | 6,409   | 49,157    | 734      |



TABLE 3-2: NUMBER OF CATTLE BY AGE AND SEX OF ANIMAL, ZONE, ZONE, AND REGION

| Geographic Area   | CATTLE        |            |            |              |             |              |            |            |              |             |              |
|-------------------|---------------|------------|------------|--------------|-------------|--------------|------------|------------|--------------|-------------|--------------|
|                   | ALL<br>CATTLE | MALE       |            |              |             |              | FEMALE     |            |              |             |              |
|                   |               | < 6 Months | 6 Mo < 1yr | 1yr - <3 yrs | 3 - <10 yrs | 10 yrs &Over | < 6 Months | 6 Mo < 1yr | 1yr - <3 yrs | 3 - <10 yrs | 10 yrs &Over |
| <b>Ethiopia</b>   | 40,281,110    | 1,847,965  | 1,528,540  | 2,791,982    | 11,201,215  | 675,956      | 1,949,047  | 1,644,580  | 3,498,504    | 14,498,869  | 644,452      |
| <b>Tigray</b>     | 2,622,166     | 119,256    | 88,128     | 183,743      | 815,727     | 82,842       | 134,001    | 86,278     | 193,175      | 861,656     | 57,359       |
| North West Tigray | 697,959       | 32,861     | 26,076     | 50,163       | 183,748     | 23,285       | 39,642     | 29,257     | 60,891       | 230,880     | 21,157       |
| Central Tigray    | 592,961       | 22,122     | 16,864     | 40,223       | 228,888     | 20,035       | 24,378     | 15,559     | 35,433       | 178,921     | 10,538       |
| Eastern Tigray    | 291,405       | 11,271     | 8,890      | 23,627       | 95,264      | 6,347        | 12,866     | 7,602      | 22,716       | 98,350      | 4,473        |
| Southern Tigray   | 616,556       | 26,509     | 15,896     | 39,618       | 217,167     | 20,731       | 28,290     | 12,944     | 42,341       | 205,435     | 7,626        |
| Western Tigray    | 423,285       | 26,494     | 20,402     | 30,112       | 90,661      | 12,444       | 28,826     | 20,917     | 31,794       | 148,070     | 13,565       |
| <b>Afar</b>       | 317,108       | 16,041     | 13,008     | 13,978       | 26,990      | 1,579        | 27,369     | 24,780     | 33,779       | 156,106     | 3,477        |
| Zone 1            | 119,954       | 4,297      | 4,302      | 5,221        | 7,686       | *            | 11,408     | 9,302      | 14,951       | 59,856      | *            |
| Zone 3            | 197,154       | 11,744     | 8,706      | 8,757        | 19,304      | 803          | 15,961     | 15,478     | 18,829       | 96,250      | 1,323        |
| <b>Amhara</b>     | 10,077,301    | 395,746    | 280,626    | 689,129      | 3,511,962   | 310,105      | 420,559    | 307,408    | 759,769      | 3,204,574   | 197,424      |
| North Gondar      | 1,738,274     | 81,262     | 56,102     | 141,246      | 503,908     | 41,825       | 90,025     | 65,891     | 138,463      | 578,961     | 40,592       |
| South Gondar      | 1,209,617     | 43,287     | 36,885     | 89,901       | 407,720     | 52,836       | 46,290     | 36,753     | 91,372       | 367,786     | 36,786       |
| North Wolo        | 808,510       | 32,620     | 25,516     | 49,187       | 289,260     | 7,065        | 33,148     | 29,017     | 59,667       | 273,890     | 9,142        |
| South Wolo        | 1,404,928     | 66,539     | 38,150     | 95,695       | 526,825     | 6,086        | 64,378     | 31,354     | 103,720      | 465,837     | 6,345        |
| North Shewa       | 1,115,344     | 36,050     | 30,426     | 78,018       | 446,521     | 42,924       | 33,691     | 35,101     | 83,043       | 309,530     | 20,040       |
| East Gojam        | 1,194,047     | 40,182     | 23,725     | 69,593       | 450,295     | 66,726       | 49,276     | 25,656     | 87,319       | 355,171     | 26,106       |
| West Gojam        | 1,373,260     | 47,869     | 31,716     | 82,831       | 512,910     | 68,728       | 45,891     | 37,026     | 94,937       | 417,528     | 33,824       |
| Waghamera         | 249,217       | 9,944      | 7,705      | 16,109       | 81,507      | 5,223        | 12,984     | 9,518      | 19,401       | 82,516      | 4,310        |
| Awı               | 708,180       | 25,077     | 20,830     | 51,261       | 212,882     | 15,297       | 29,689     | 23,824     | 57,455       | 256,348     | 15,516       |
| Oromia            | 275,925       | 12,915     | 9,571      | 15,289       | 80,135      | 3,395        | 15,190     | 13,267     | 24,391       | 97,008      | 4,764        |
| <b>Oromia</b>     | 18,247,970    | 855,027    | 748,710    | 1,269,717    | 5,089,121   | 243,173      | 895,430    | 796,952    | 1,605,414    | 6,502,801   | 241,625      |
| West Wellega      | 1,103,436     | 42,536     | 52,597     | 74,177       | 345,397     | 4,470        | 44,799     | 59,795     | 88,952       | 381,736     | 8,977        |
| East Wellega      | 1,419,897     | 60,273     | 54,180     | 98,019       | 437,114     | 18,910       | 58,041     | 60,862     | 128,912      | 484,264     | 19,322       |
| Illubabor         | 757,851       | 28,446     | 34,020     | 59,901       | 231,601     | 4,250        | 35,310     | 33,030     | 63,235       | 260,635     | 7,422        |
| Jimma             | 1,856,632     | 79,877     | 60,743     | 140,021      | 587,740     | 6,709        | 86,661     | 67,793     | 176,764      | 639,487     | 10,837       |
| West Shewa        | 1,728,925     | 74,747     | 55,994     | 124,853      | 511,468     | 61,348       | 84,952     | 61,366     | 140,480      | 582,615     | 31,102       |
| North Shewa       | 1,176,407     | 53,695     | 37,930     | 68,095       | 395,397     | 17,624       | 55,049     | 45,436     | 101,936      | 386,775     | 14,469       |
| East Shewa        | 1,402,079     | 60,201     | 56,896     | 96,882       | 438,811     | 33,281       | 64,258     | 63,616     | 104,769      | 471,182     | 12,184       |
| Arsi              | 2,443,210     | 118,484    | 87,598     | 150,743      | 753,076     | 42,001       | 130,001    | 80,707     | 199,368      | 836,836     | 44,397       |
| West Harerghe     | 844,219       | 60,433     | 37,151     | 63,208       | 215,214     | *            | 45,188     | 47,338     | 81,535       | 278,881     | 13,489       |
| East Harerghe     | 927,256       | 57,984     | 40,544     | 97,593       | 145,223     | *            | 52,732     | 39,519     | 111,992      | 364,982     | 16,154       |
| Bale              | 1,732,326     | 74,633     | 83,239     | 108,528      | 412,220     | 13,529       | 87,887     | 80,554     | 149,590      | 689,474     | 32,672       |
| Borena            | 1,170,157     | 69,591     | 68,562     | 76,820       | 182,964     | 4,331        | 79,089     | 72,629     | 113,722      | 492,556     | 9,894        |
| South West Shewa  | 740,129       | 23,643     | 28,951     | 45,577       | 267,297     | 33,377       | 26,287     | 33,094     | 50,540       | 219,268     | 12,095       |
| Guji              | 945,445       | 50,481     | 50,304     | 65,300       | 165,599     | *            | 45,175     | 51,213     | 93,619       | 414,113     | 8,613        |

TABLE 3-2 CONT'D

| Geographic Area         | CATTLE        |            |            |              |             |              |            |            |              |             |              |
|-------------------------|---------------|------------|------------|--------------|-------------|--------------|------------|------------|--------------|-------------|--------------|
|                         | ALL<br>CATTLE | MALE       |            |              |             |              | FEMALE     |            |              |             |              |
|                         |               | < 6 Months | 6 Mo < 1yr | 1yr - <3 yrs | 3 - <10 yrs | 10 yrs &Over | < 6 Months | 6 Mo < 1yr | 1yr - <3 yrs | 3 - <10 yrs | 10 yrs &Over |
| <b>Somale</b>           | 520,902       | 42,696     | 21,108     | 34,610       | 73,522      | *            | 50,379     | 23,991     | 47,403       | 219,995     | 5,059        |
| Shinele                 | 12,322        | 718        | 732        | 748          | 1,244       | 14           | 734        | 722        | 1,419        | 5,658       | 332          |
| Jijiga                  | 370,063       | 33,407     | 15,737     | 24,386       | 55,189      | *            | 37,148     | 16,891     | 31,618       | 150,904     | *            |
| Liben                   | 138,517       | 8,572      | 4,640      | 9,476        | 17,089      | *            | 12,496     | 6,378      | 14,367       | 63,432      | 1,840        |
| <b>Benshangul-Gumuz</b> | 350,390       | 18,849     | 16,450     | 28,564       | 90,801      | 3,397        | 17,096     | 17,859     | 36,495       | 116,908     | 3,972        |
| Metekel                 | 240,883       | 13,396     | 10,708     | 20,052       | 61,382      | 3,269        | 12,947     | 12,649     | 24,470       | 78,521      | 3,489        |
| Asosa                   | 68,927        | 3,677      | 3,182      | 5,104        | 19,772      | *            | 2,353      | 3,050      | 7,896        | 23,344      | 420          |
| Kemeshi                 | 40,580        | 1,777      | 2,559      | 3,408        | 9,646       | -            | 1,795      | 2,160      | 4,129        | 15,043      | *            |
| <b>SNNP</b>             | 8,043,173     | 395,027    | 356,040    | 562,740      | 1,571,542   | 31,633       | 398,372    | 383,240    | 811,577      | 3,398,491   | 134,511      |
| Gurage                  | 886,657       | 47,552     | 36,394     | 45,589       | 131,828     | 6,828        | 48,502     | 36,989     | 87,229       | 413,995     | 31,752       |
| Hadiya                  | 637,157       | 31,065     | 24,067     | 45,788       | 162,674     | 3,768        | 29,404     | 23,696     | 53,878       | 254,120     | 8,698        |
| Kembata Tembaro         | 289,498       | 9,552      | 12,398     | 22,710       | 59,274      | 2,063        | 11,873     | 14,065     | 27,520       | 125,209     | 4,834        |
| Sidama                  | 1,488,065     | 88,417     | 67,964     | 79,714       | 109,488     | *            | 88,316     | 78,918     | 177,539      | 747,639     | 48,370       |
| Gedio                   | 124,734       | 4,443      | 5,868      | 12,461       | 29,345      | *            | 3,043      | 4,472      | 11,367       | 52,657      | *            |
| Wolayita                | 811,119       | 32,255     | 41,549     | 74,522       | 168,406     | *            | 35,024     | 46,885     | 88,511       | 311,559     | 8,883        |
| South Omo               | 481,145       | 23,079     | 18,149     | 34,649       | 103,607     | *            | 23,526     | 23,475     | 49,875       | 192,639     | 8,152        |
| Shaka                   | 83,858        | 3,358      | 6,437      | 5,887        | 16,466      | *            | 4,439      | 5,856      | 7,782        | 33,225      | *            |
| Kaffa                   | 614,605       | 34,044     | 32,431     | 43,925       | 159,024     | *            | 32,902     | 30,167     | 55,155       | 220,673     | 4,900        |
| Gamo Gofa               | 939,980       | 43,768     | 42,231     | 70,757       | 187,939     | *            | 39,696     | 49,564     | 98,960       | 396,890     | 8,651        |
| Bench Maji              | 360,961       | 21,686     | 16,035     | 26,503       | 74,044      | *            | 22,593     | 16,559     | 35,186       | 146,509     | *            |
| Yem Sp. Wereda          | 51,196        | 1,202      | 1,498      | 3,212        | 18,372      | 553          | 1,791      | 1,125      | 3,486        | 19,515      | 443          |
| Amaro Sp. Wereda        | 95,735        | 4,671      | 3,683      | 7,149        | 26,656      | *            | 4,573      | 2,934      | 7,329        | 38,465      | *            |
| Burji Sp. Wereda        | 32,528        | 1,271      | 900        | 1,612        | 13,832      | *            | 1,451      | 872        | 2,441        | 9,946       | *            |
| Konso Sp. Wereda        | 89,426        | 3,255      | 3,342      | 7,437        | 28,425      | *            | 3,771      | 3,360      | 7,085        | 31,739      | 465          |
| Derashe Sp. Wereda      | 74,677        | 2,678      | 2,850      | 4,846        | 29,093      | *            | 3,544      | 3,359      | 6,614        | 21,367      | *            |
| Dawro                   | 300,702       | 14,789     | 14,944     | 27,832       | 53,409      | *            | 14,285     | 14,347     | 36,083       | 122,523     | 1,305        |
| Basketo Sp. Wereda      | 25,449        | 931        | 1,048      | 2,244        | 6,081       | *            | 1,354      | 1,339      | 2,674        | 9,573       | 154          |
| Konta Sp. Wereda        | 57,628        | 2,691      | 2,772      | 4,582        | 15,474      | *            | 2,469      | 2,794      | 5,784        | 20,843      | *            |
| Silte                   | 477,158       | 17,546     | 16,448     | 34,449       | 141,995     | 2,634        | 18,436     | 18,144     | 38,908       | 183,829     | 4,770        |
| Alaba Sp. Wereda        | 120,893       | 6,773      | 5,031      | 6,870        | 36,109      | 396          | 7,381      | 4,322      | 8,172        | 45,577      | 262          |
| <b>Harari</b>           | 37,395        | 2,268      | 1,907      | 3,748        | 5,523       | *            | 2,574      | 1,556      | 4,329        | 15,025      | 443          |
| Hundene                 | 37,395        | 2,268      | 1,907      | 3,748        | 5,523       | *            | 2,574      | 1,556      | 4,329        | 15,025      | 443          |
| <b>Addis Ababa</b>      | 26,266        | 620        | 787        | 1,613        | 10,695      | 1,067        | 706        | 1,004      | 1,639        | 7,888       | 246          |
| Zone 3                  | 17,906        | 468        | 540        | 1,153        | 6,553       | 599          | 491        | 737        | 1,345        | 5,833       | 186          |
| Zone 6                  | 8,360         | 152        | 246        | 460          | 4,142       | 468          | 215        | 267        | 294          | 2,055       | *            |
| <b>Dire Dawa</b>        | 38,439        | 2,435      | 1,776      | 4,141        | 5,333       | -            | 2,561      | 1,512      | 4,923        | 15,425      | 335          |

TABLE 3-3: NUMBER OF SHEEP BY AGE AND SEX OF ANIMAL, ZONE, AND REGION

| Geographic Area   | SHEEP      |            |            |              |              |            |            |              |              |
|-------------------|------------|------------|------------|--------------|--------------|------------|------------|--------------|--------------|
|                   | ALL SHEEP  | MALE       |            |              |              | FEMALE     |            |              |              |
|                   |            | < 6 Months | 6 Mo < 1yr | 1yr - <2 yrs | 2 yrs & Over | < 6 Months | 6 Mo < 1yr | 1yr - <2 yrs | 2 yrs & Over |
| <b>Ethiopia</b>   | 20,721,562 | 2,897,072  | 807,631    | 655,664      | 975,782      | 3,061,169  | 1,161,287  | 1,537,865    | 9,625,092    |
| <b>Tigray</b>     | 813,546    | 99,164     | 37,194     | 24,639       | 47,317       | 91,455     | 55,048     | 73,037       | 385,692      |
| North West Tigray | 79,000     | 6,651      | 4,281      | 4,604        | 5,290        | 7,989      | 7,737      | 9,753        | 32,694       |
| Central Tigray    | 213,888    | 25,604     | 10,068     | 8,720        | 14,442       | 22,530     | 18,555     | 20,294       | 93,674       |
| Eastern Tigray    | 338,565    | 45,471     | 12,683     | 6,223        | 12,363       | 41,874     | 18,989     | 30,374       | 170,589      |
| Southern Tigray   | 157,611    | 18,767     | 8,901      | 4,244        | 13,955       | 16,957     | 8,208      | 9,956        | 76,621       |
| Western Tigray    | *          | *          | *          | *            | *            | *          | *          | *            | *            |
| <b>Afar</b>       | 156,880    | 11,061     | 8,193      | 6,644        | 13,698       | 19,105     | 16,693     | 19,735       | 61,750       |
| Zone 1            | 47,393     | 3,163      | 2,403      | 2,123        | 3,714        | 6,222      | 5,141      | 5,324        | 19,303       |
| Zone 3            | 109,487    | 7,897      | 5,790      | 4,521        | 9,985        | 12,883     | 11,552     | 14,411       | 42,447       |
| <b>Amhara</b>     | 7,530,518  | 999,208    | 258,973    | 246,979      | 414,214      | 1,071,319  | 374,071    | 534,690      | 3,631,064    |
| North Gonder      | 625,277    | 66,339     | 22,180     | 14,925       | 32,883       | 93,160     | 29,748     | 51,244       | 314,797      |
| South Gonder      | 759,047    | 113,525    | 16,239     | 14,674       | 18,639       | 125,265    | 36,150     | 55,917       | 378,639      |
| North Wolo        | 646,663    | 75,206     | 25,815     | 23,861       | 53,506       | 88,414     | 37,835     | 50,994       | 291,033      |
| South Wolo        | 1,926,023  | 261,785    | 70,749     | 99,106       | 163,528      | 259,845    | 71,311     | 96,902       | 902,796      |
| North Shewa       | 1,332,610  | 168,417    | 59,182     | 55,166       | 91,358       | 189,216    | 68,316     | 89,582       | 611,372      |
| East Gojam        | 1,187,431  | 157,949    | 20,465     | 15,199       | 30,320       | 164,247    | 73,606     | 99,301       | 626,345      |
| West Gojam        | 613,609    | 91,980     | 24,153     | 14,471       | 10,069       | 88,612     | 32,916     | 53,064       | 298,343      |
| Waghamera         | 67,728     | 6,388      | 4,537      | 3,857        | 7,340        | 6,406      | 5,048      | 6,870        | 27,282       |
| Awi               | 340,888    | 54,039     | 13,325     | 2,171        | 2,783        | 52,190     | 17,724     | 29,416       | 169,240      |
| Oromia            | 31,241     | 3,580      | 2,327      | 3,549        | 3,787        | 3,966      | 1,417      | *            | 11,217       |
| <b>Oromia</b>     | 8,084,573  | 1,282,307  | 334,635    | 236,888      | 280,675      | 1,300,867  | 465,293    | 567,376      | 3,616,532    |
| West Wellega      | 419,379    | 70,759     | 20,976     | 10,848       | 14,502       | 72,537     | 28,241     | 36,413       | 165,102      |
| East Wellega      | 410,139    | 65,685     | 17,762     | 9,522        | 12,308       | 66,219     | 29,817     | 41,441       | 167,386      |
| Illubabor         | 353,880    | 58,705     | 10,945     | 9,480        | 8,164        | 58,648     | 17,955     | 23,616       | 166,367      |
| Jimma             | 820,764    | 118,946    | 42,702     | 25,717       | 15,560       | 114,531    | 40,031     | 54,666       | 408,610      |
| West Shewa        | 1,051,199  | 178,849    | 26,081     | 19,763       | 34,712       | 181,682    | 55,041     | 84,637       | 470,434      |
| North Shewa       | 1,097,904  | 182,046    | 27,568     | 32,693       | 51,762       | 202,534    | 47,953     | 62,614       | 490,734      |
| East Shewa        | 389,421    | 52,315     | 13,411     | 12,970       | 20,554       | 62,177     | 23,951     | 25,672       | 178,372      |
| Arsi              | 1,638,457  | 266,895    | 74,386     | 41,058       | 51,439       | 270,519    | 97,346     | 101,748      | 735,066      |
| West Harerghe     | 175,205    | 23,831     | 10,424     | 7,848        | 8,222        | 21,077     | 11,183     | 17,193       | 75,426       |
| East Harerghe     | 325,452    | 44,840     | 21,765     | 19,838       | 16,057       | 39,694     | 18,071     | 28,063       | 137,123      |
| Bale              | 717,454    | 121,730    | 22,946     | 17,331       | 13,191       | 116,581    | 52,286     | 41,834       | 331,556      |
| Borena            | 190,731    | 21,671     | 14,302     | 8,324        | 11,778       | 25,231     | 16,826     | 11,180       | 81,419       |
| South West Shewa  | 191,041    | 30,337     | 16,790     | 13,278       | 9,508        | 25,979     | 9,629      | 16,060       | 69,460       |
| Guji              | 303,547    | 45,700     | 14,577     | 8,216        | 12,919       | 43,458     | 16,963     | 22,238       | 139,476      |

TABLE 3-3 CONT'D

| Geographic Area         | SHEEP     |            |            |              |              |            |            |              |              |
|-------------------------|-----------|------------|------------|--------------|--------------|------------|------------|--------------|--------------|
|                         | ALL SHEEP | MALE       |            |              |              | FEMALE     |            |              |              |
|                         |           | < 6 Months | 6 Mo < 1yr | 1yr - <2 yrs | 2 yrs & Over | < 6 Months | 6 Mo < 1yr | 1yr - <2 yrs | 2 yrs & Over |
| <b>Somale</b>           | 594,289   | 68,604     | 25,350     | 27,461       | 56,061       | 69,414     | 33,187     | 49,308       | 264,906      |
| Shinele                 | 32,502    | 2,713      | 1,538      | 1,458        | 2,777        | 3,586      | 2,890      | 4,203        | 13,337       |
| Jijiga                  | 416,193   | 53,050     | 16,939     | 17,126       | 38,980       | 47,514     | 20,709     | 28,625       | 193,251      |
| Liben                   | 145,594   | 12,841     | 6,874      | 8,876        | 14,303       | 18,314     | 9,588      | 16,480       | 58,318       |
| <b>Benshangul-Gumuz</b> | 68,931    | 10,071     | 4,463      | 3,276        | 3,185        | 9,279      | 4,866      | 5,927        | 27,864       |
| Metekel                 | 42,085    | 6,292      | 2,388      | 2,012        | 1,761        | 5,808      | 2,550      | 3,225        | 18,050       |
| Asosa                   | 13,167    | 1,851      | 1,210      | 624          | 706          | 1,808      | 751        | 1,286        | 4,930        |
| Kemeshi                 | 13,680    | 1,928      | 866        | 640          | 718          | 1,663      | 1,565      | 1,416        | 4,884        |
| <b>SNNP</b>             | 3,403,098 | 419,166    | 134,784    | 105,976      | 155,850      | 491,301    | 206,535    | 282,079      | 1,607,406    |
| Gurage                  | 303,003   | 47,709     | 8,209      | 6,481        | 6,081        | 48,208     | 15,862     | 30,571       | 139,882      |
| Hadiya                  | 237,027   | 31,462     | 11,906     | 5,748        | 4,724        | 34,541     | 15,865     | 16,126       | 116,655      |
| Kembata Tembaro         | 109,121   | 12,631     | 7,960      | 7,016        | 4,836        | 17,512     | 5,892      | 9,375        | 43,899       |
| Sidama                  | 390,097   | 44,228     | 13,762     | 9,151        | 13,343       | 70,695     | 26,923     | 21,682       | 190,314      |
| Gedio                   | 171,268   | 21,042     | 9,087      | 6,826        | 7,749        | 23,369     | 11,337     | 11,566       | 80,292       |
| Wolayita                | 181,084   | 19,344     | 7,307      | 8,246        | 15,918       | 20,595     | 14,207     | 24,968       | 70,499       |
| South Omo               | 353,483   | 29,863     | 19,088     | 14,905       | 33,576       | 39,316     | 28,771     | 37,594       | 150,368      |
| Shaka                   | 49,128    | 8,813      | 2,737      | 1,231        | 1,097        | 6,209      | 2,798      | 3,258        | 22,985       |
| Kaffa                   | 376,268   | 58,918     | 9,640      | 5,902        | 5,919        | 64,898     | 16,995     | 22,331       | 191,664      |
| Gamo Gofa               | 478,036   | 43,396     | 15,049     | 15,534       | 21,641       | 60,889     | 29,588     | 50,874       | 241,065      |
| Bench Maji              | 174,823   | 24,136     | 4,237      | 2,960        | 4,445        | 28,460     | 8,888      | 8,936        | 92,762       |
| Yem Sp. Wereda          | 24,990    | 3,601      | 858        | 538          | 612          | 3,530      | 1,005      | 1,802        | 13,045       |
| Amaro Sp. Wereda        | 50,835    | 5,919      | 1,362      | 992          | 4,553        | 5,850      | 2,071      | 4,054        | 26,034       |
| Burji Sp. Wereda        | 3,128     | 381        | 138        | 43           | 276          | 460        | 98         | 269          | 1,463        |
| Konso Sp. Wereda        | 81,837    | 6,988      | 3,705      | 6,202        | 16,076       | 7,437      | 3,043      | 6,830        | 31,555       |
| Derashe Sp. Wereda      | 11,954    | 940        | 297        | 362          | 2,224        | 1,233      | 517        | 706          | 5,674        |
| Dawro                   | 99,014    | 12,092     | 6,068      | 5,732        | 2,932        | 13,278     | 5,245      | 10,499       | 43,169       |
| Basketo Sp. Wereda      | 13,267    | 1,710      | 443        | 344          | 392          | 1,741      | 924        | 1,065        | 6,648        |
| Konta Sp. Wereda        | 16,711    | 2,126      | 1,378      | 1,717        | 1,000        | 2,090      | 816        | 1,082        | 6,503        |
| Silte                   | 242,693   | 38,819     | 10,067     | 5,621        | 7,209        | 36,152     | 13,632     | 16,521       | 114,672      |
| Alaba Sp. Wereda        | 35,330    | 5,049      | 1,486      | 425          | 1,248        | 4,836      | 2,058      | 1,969        | 18,259       |
| <b>Harari</b>           | 4,501     | 381        | 205        | 410          | 442          | 663        | 152        | 410          | 1,839        |
| Hundene                 | 4,501     | 381        | 205        | 410          | 442          | 663        | 152        | 410          | 1,839        |
| <b>Addis Ababa</b>      | 11,052    | 1,463      | 460        | 298          | 512          | 1,528      | 832        | 704          | 5,254        |
| Zone 3                  | 7,916     | 1,028      | 363        | 229          | 354          | 1,126      | 562        | 518          | 3,736        |
| Zone 6                  | 3,136     | 435        | 97         | *            | 158          | 402        | 271        | 186          | 1,518        |
| <b>Dire Dawa</b>        | 54,173    | 5,648      | 3,374      | 3,093        | 3,827        | 6,238      | 4,609      | 4,599        | 22,785       |

TABLE 3-4: NUMBER OF GOATS BY AGE AND SEX OF ANIMAL, ZONE, AND REGION

| Geographic Area   | GOATS        |            |            |              |              |            |            |              |              |
|-------------------|--------------|------------|------------|--------------|--------------|------------|------------|--------------|--------------|
|                   | ALL<br>GOATS | MALE       |            |              |              | FEMALE     |            |              |              |
|                   |              | < 6 Months | 6 Mo < 1yr | 1yr - <2 yrs | 2 yrs & Over | < 6 Months | 6 Mo < 1yr | 1yr - <2 yrs | 2 yrs & Over |
| <b>Ethiopia</b>   | 16,248,899   | 2,101,235  | 859,765    | 721,509      | 1,219,648    | 2,232,350  | 1,135,932  | 1,353,406    | 6,625,054    |
| <b>Tigray</b>     | 2,399,808    | 256,740    | 127,256    | 105,003      | 185,836      | 291,600    | 199,123    | 245,238      | 989,013      |
| North West Tigray | 824,966      | 80,371     | 45,068     | 40,670       | 51,616       | 96,131     | 82,213     | 117,477      | 311,418      |
| Central Tigray    | 844,113      | 85,856     | 49,723     | 37,992       | 83,079       | 91,412     | 71,361     | 67,766       | 356,924      |
| Eastern Tigray    | 169,232      | 20,105     | 7,219      | 4,937        | 10,141       | 18,748     | 11,704     | 12,631       | 83,747       |
| Southern Tigray   | 306,510      | 36,691     | 12,103     | 10,988       | 22,824       | 46,862     | 16,497     | 28,294       | 132,252      |
| Western Tigray    | 254,986      | 33,716     | 13,143     | 10,416       | 18,175       | 38,447     | 17,349     | 19,069       | 104,672      |
| <b>Afar</b>       | 411,047      | 28,774     | 20,701     | 18,567       | 33,743       | 54,293     | 44,002     | 45,327       | 165,641      |
| Zone 1            | 122,518      | 6,421      | 5,148      | 4,179        | *            | 16,297     | 10,929     | 13,028       | 56,550       |
| Zone 3            | 288,529      | 22,353     | 15,553     | 14,388       | 23,778       | 37,996     | 33,072     | 32,299       | 109,091      |
| <b>Amhara</b>     | 4,856,472    | 667,708    | 245,794    | 219,050      | 441,097      | 684,596    | 302,372    | 364,314      | 1,931,542    |
| North Gondar      | 1,114,883    | 156,109    | 61,043     | 38,818       | 68,738       | 179,379    | 85,455     | 96,045       | 429,296      |
| South Gondar      | 523,517      | 83,516     | 22,741     | 25,334       | 30,494       | 82,869     | 28,258     | 36,819       | 213,485      |
| North Wolo        | 619,610      | 83,730     | 27,803     | 22,556       | 56,823       | 84,046     | 37,593     | 40,517       | 266,542      |
| South Wolo        | 770,052      | 103,760    | 34,308     | 30,001       | 105,712      | 105,084    | 35,732     | 40,737       | 314,719      |
| North Shewa       | 662,213      | 75,514     | 45,695     | 54,304       | 106,872      | 67,738     | 39,652     | 53,607       | 218,831      |
| East Gojam        | 245,314      | 30,417     | 13,406     | 9,099        | 14,823       | 38,363     | 13,865     | 21,371       | 103,971      |
| West Gojam        | 274,139      | 50,077     | 11,795     | 11,428       | 10,575       | 43,076     | 14,047     | 15,931       | 117,210      |
| Waghamera         | 367,523      | 37,890     | 15,478     | 17,474       | 32,123       | 45,732     | 27,346     | 34,318       | 157,161      |
| Awi               | 130,485      | 25,316     | 6,152      | 4,140        | 6,806        | 17,215     | 7,804      | 8,647        | 54,405       |
| Oromia            | 148,737      | 21,379     | 7,373      | 5,895        | 8,132        | 21,095     | 12,620     | 16,321       | 55,922       |
| <b>Oromia</b>     | 5,383,640    | 764,890    | 295,955    | 229,225      | 318,502      | 797,715    | 358,155    | 412,828      | 2,206,371    |
| West Wellega      | 112,394      | 16,500     | 6,965      | *            | 6,026        | 18,442     | 9,317      | 13,555       | 39,571       |
| East Wellega      | 179,238      | 23,880     | 9,428      | 8,363        | 12,438       | 29,782     | 14,779     | 17,983       | 62,585       |
| Illubabor         | 100,740      | 18,636     | 5,481      | 3,282        | *            | 16,679     | 6,087      | 4,331        | 42,048       |
| Jimma             | 240,997      | 36,720     | 10,195     | 9,673        | 8,783        | 37,994     | 11,994     | 15,542       | 110,096      |
| West Shewa        | 236,991      | 40,560     | 10,146     | 7,080        | 12,769       | 49,879     | 12,833     | 19,960       | 83,764       |
| North Shewa       | 176,218      | 27,196     | 9,981      | 7,291        | 11,996       | 28,710     | 13,113     | 10,216       | 67,715       |
| East Shewa        | 588,092      | 79,762     | 31,994     | 18,471       | 25,005       | 105,108    | 47,125     | 41,515       | 239,113      |
| Arsi              | 448,849      | 62,630     | 22,617     | 18,406       | 30,056       | 63,678     | 26,709     | 34,870       | 189,883      |
| West Harerghe     | 741,514      | 108,067    | 42,654     | 39,264       | 54,069       | 94,815     | 40,522     | 53,760       | 308,364      |
| East Harerghe     | 889,342      | 119,493    | 53,374     | 55,500       | 76,028       | 111,969    | 58,886     | 65,371       | 348,722      |
| Bale              | 626,174      | 103,016    | 34,285     | 12,236       | 14,512       | 92,758     | 31,378     | 40,891       | 297,097      |
| Borena            | 595,738      | 65,649     | 33,952     | 27,804       | 32,141       | 84,173     | 52,058     | 55,931       | 244,029      |
| South West Shewa  | 183,195      | 32,724     | 10,870     | 6,471        | 10,842       | 28,787     | 12,703     | 14,922       | 65,876       |
| Guji              | 264,156      | 30,056     | 14,014     | 13,364       | 19,640       | 34,940     | 20,652     | 23,981       | 107,508      |

TABLE 3-4 CONT'D

| Geographic Area         | GOATS        |            |            |              |              |            |            |              |              |
|-------------------------|--------------|------------|------------|--------------|--------------|------------|------------|--------------|--------------|
|                         | ALL<br>GOATS | MALE       |            |              |              | FEMALE     |            |              |              |
|                         |              | < 6 Months | 6 Mo < 1yr | 1yr - <2 yrs | 2 yrs & Over | < 6 Months | 6 Mo < 1yr | 1yr - <2 yrs | 2 yrs & Over |
| <b>Somale</b>           | 668,619      | 63,891     | 33,002     | 36,381       | 67,420       | 76,933     | 45,500     | 61,086       | 284,406      |
| Shinele                 | 74,213       | 6,799      | 3,143      | 3,056        | 4,614        | 9,833      | 7,836      | 9,132        | 29,800       |
| Jijiga                  | 361,636      | 39,370     | 20,218     | 19,068       | 35,519       | 40,108     | 21,356     | 25,628       | 160,369      |
| Liben                   | 232,770      | 17,723     | 9,642      | 14,257       | 27,286       | 26,992     | 16,309     | 26,326       | 94,236       |
| <b>Benshangul-Gumuz</b> | 314,277      | 49,425     | 19,289     | 13,019       | 14,530       | 47,038     | 25,665     | 31,037       | 114,274      |
| Metekel                 | 114,281      | 20,386     | 7,456      | 4,275        | 4,113        | 18,652     | 9,176      | 13,617       | 36,607       |
| Asosa                   | 152,480      | 22,154     | 9,088      | 6,965        | 7,990        | 20,413     | 12,100     | 13,281       | 60,490       |
| Kemeshi                 | 47,516       | 6,886      | 2,746      | 1,779        | 2,427        | 7,973      | 4,389      | 4,140        | 17,176       |
| <b>SNNP</b>             | 2,054,080    | 250,686    | 110,610    | 92,730       | 150,062      | 260,350    | 149,377    | 175,828      | 864,437      |
| Gurage                  | 118,585      | 19,779     | 7,623      | 6,150        | 2,786        | 16,161     | 6,986      | 11,123       | 47,976       |
| Hadiya                  | 112,961      | 13,953     | 5,922      | 3,022        | 5,551        | 16,439     | 10,796     | 7,173        | 50,103       |
| Kembata Tembaro         | 41,075       | 5,565      | 871        | 1,082        | 1,913        | 6,037      | 4,309      | 3,952        | 17,345       |
| Sidama                  | 193,173      | 26,847     | 12,401     | 12,152       | 7,714        | 25,515     | 10,824     | 12,841       | 84,879       |
| Gedio                   | 9,410        | *          | *          | *            | *            | 2,257      | 519        | *            | 3,292        |
| Wolayita                | 120,000      | 17,669     | 6,711      | 2,894        | 3,437        | 21,393     | 6,133      | 11,990       | 49,772       |
| South Omo               | 556,492      | 43,258     | 31,810     | 34,122       | 59,882       | 58,075     | 52,307     | 63,155       | 213,884      |
| Shaka                   | 8,455        | 1,105      | 365        | 540          | 244          | 1,397      | 968        | 516          | 3,320        |
| Kaffa                   | 102,293      | 17,751     | 4,085      | 2,288        | 1,110        | 19,439     | 6,320      | 7,326        | 43,974       |
| Gamo Gofa               | 226,250      | 29,312     | 9,877      | 7,688        | 16,383       | 27,123     | 15,352     | 15,286       | 105,228      |
| Bench Maji              | 41,030       | 6,560      | 1,960      | 762          | 2,536        | 4,017      | 2,757      | 2,638        | 19,801       |
| Yem Sp. Wereda          | 19,256       | 2,661      | 928        | 440          | 505          | 2,797      | 1,348      | 1,231        | 9,346        |
| Amaro Sp. Wereda        | 43,548       | 6,156      | 1,776      | 1,924        | 3,637        | 5,595      | 1,958      | 3,343        | 19,159       |
| Burji Sp. Wereda        | 24,242       | 2,669      | 1,043      | 1,055        | 2,733        | 2,618      | 1,393      | 1,924        | 10,806       |
| Konso Sp. Wereda        | 134,253      | 11,894     | 7,512      | 6,515        | 20,260       | 12,411     | 7,476      | 8,249        | 59,935       |
| Derashe Sp. Wereda      | 67,589       | 5,876      | 3,879      | 4,557        | 9,841        | 6,369      | 4,688      | 5,700        | 26,679       |
| Dawro                   | 45,448       | 6,893      | 2,582      | 2,865        | 1,325        | 6,792      | 3,022      | 6,149        | 15,819       |
| Basketo Sp. Wereda      | 4,222        | 499        | *          | *            | 214          | 533        | 349        | 143          | 2,199        |
| Konta Sp. Wereda        | 8,556        | 1,562      | 562        | 422          | 329          | 1,246      | 447        | 871          | 3,116        |
| Silte                   | 128,662      | 21,217     | 7,897      | 3,059        | 6,150        | 16,607     | 8,866      | 9,107        | 55,759       |
| Alaba Sp. Wereda        | 48,582       | 8,376      | 2,354      | 879          | 2,854        | 7,528      | 2,558      | 1,990        | 22,044       |
| <b>Harari</b>           | 32,782       | 4,347      | 2,047      | 2,264        | 1,060        | 4,315      | 2,133      | 2,687        | 13,929       |
| Hundene                 | 32,782       | 4,347      | 2,047      | 2,264        | 1,060        | 4,315      | 2,133      | 2,687        | 13,929       |
| <b>Addis Ababa</b>      | 4,079        | 689        | 242        | 150          | 138          | 806        | 268        | 200          | 1,586        |
| Zone 3                  | 2,801        | 407        | 184        | 123          | 111          | 485        | 238        | 160          | 1,093        |
| Zone 6                  | 1,278        | 282        | *          | *            | *            | 321        | *          | *            | 493          |
| <b>Dire Dawa</b>        | 124,094      | 14,085     | 4,868      | 5,120        | 7,261        | 14,704     | 9,337      | 14,860       | 53,858       |

TABLE 3-5: NUMBER OF HORSES AND DONKEYS BY AGE AND SEX OF ANIMAL, ZONE, AND REGION

| Geographic Area   | HORSES AND DONKEYS |           |              |           |              |                |           |              |           |              |
|-------------------|--------------------|-----------|--------------|-----------|--------------|----------------|-----------|--------------|-----------|--------------|
|                   | ALL<br>HORSES      | HORSES    |              |           |              | ALL<br>DONKEYS | DONKEYS   |              |           |              |
|                   |                    | MALE      |              | FEMALE    |              |                | MALE      |              | FEMALE    |              |
|                   |                    | < 3 Years | 3 Yrs & more | < 3 Years | 3 Yrs & more |                | < 3 Years | 3 Yrs & more | < 3 Years | 3 Yrs & more |
| Ethiopia          | 1,569,318          | 164,853   | 598,052      | 174,361   | 632,052      | 4,280,542      | 506,308   | 1,450,087    | 501,581   | 1,822,567    |
| Tigray            | 1,894              | *         | 841          | *         | *            | 387,389        | 40,987    | 161,064      | 39,099    | 146,238      |
| North West Tigray | *                  | *         | -            | -         | -            | 66,199         | 8,453     | 21,654       | 7,500     | 28,592       |
| Central Tigray    | -                  | -         | -            | -         | -            | 102,220        | 10,759    | 35,445       | 11,927    | 44,089       |
| Eastern Tigray    | *                  | -         | *            | -         | *            | 70,681         | 7,975     | 23,878       | 8,144     | 30,685       |
| Southern Tigray   | *                  | -         | *            | *         | *            | 115,251        | 11,515    | 56,880       | 10,069    | 36,788       |
| Western Tigray    | *                  | *         | *            | *         | *            | 33,037         | 2,285     | 23,208       | 1,459     | 6,085        |
| Afar              | -                  | -         | -            | -         | -            | 12,834         | 1,096     | 5,112        | 1,299     | 5,327        |
| Zone 1            | -                  | -         | -            | -         | -            | *              | *         | *            | *         | *            |
| Zone 3            | -                  | -         | -            | -         | -            | 10,292         | 838       | 4,028        | 936       | 4,490        |
| Amhara            | 289,895            | 27,691    | 105,195      | 30,760    | 126,250      | 1,513,891      | 199,382   | 394,310      | 221,069   | 699,131      |
| North Gondar      | 38,777             | 3,738     | 15,576       | 3,997     | 15,466       | 199,659        | 20,352    | 71,041       | 27,137    | 81,129       |
| South Gondar      | 21,705             | *         | 4,778        | *         | 14,017       | 172,485        | 25,775    | 28,677       | 28,194    | 89,839       |
| North Wolo        | 15,870             | *         | 6,345        | *         | *            | 137,916        | 15,392    | 36,480       | 19,292    | 66,752       |
| South Wolo        | 39,369             | 5,288     | 8,235        | 2,975     | 22,870       | 273,783        | 31,321    | 72,842       | 40,075    | 129,545      |
| North Shewa       | 43,473             | 4,374     | 9,033        | 8,158     | 21,907       | 272,665        | 39,994    | 92,126       | 29,629    | 110,916      |
| East Gojam        | 61,748             | 7,834     | 22,681       | 7,888     | 23,347       | 181,315        | 23,813    | 39,763       | 32,963    | 84,776       |
| West Gojam        | 15,480             | *         | 5,206        | *         | 7,434        | 153,629        | 24,302    | 23,279       | 29,167    | 76,881       |
| Waghamera         | *                  | *         | *            | -         | -            | 45,177         | 5,725     | 16,981       | 3,617     | 18,854       |
| Awi               | 53,100             | 2,761     | 33,063       | 2,334     | 14,942       | 49,091         | 8,181     | 7,757        | 7,389     | 25,764       |
| Oromia            | *                  | -         | *            | -         | -            | 28,172         | 4,528     | 5,363        | 3,605     | 14,676       |
| Oromia            | 969,037            | 108,115   | 370,623      | 112,117   | 378,182      | 1,911,225      | 223,840   | 699,984      | 201,678   | 785,723      |
| West Wellega      | *                  | *         | *            | *         | 1,610        | 109,104        | 10,542    | 47,263       | 8,579     | 42,720       |
| East Wellega      | 48,913             | 5,091     | 18,712       | 5,840     | 19,269       | 108,685        | 12,993    | 33,532       | 14,380    | 47,780       |
| Illubabor         | 34,317             | 4,326     | 7,733        | 5,628     | 16,630       | 13,912         | 1,534     | 6,583        | 1,310     | 4,484        |
| Jimma             | 87,297             | 9,015     | 26,534       | 11,267    | 40,482       | 54,970         | 5,961     | 23,930       | 5,543     | 19,536       |
| West Shewa        | 174,410            | 16,572    | 78,105       | 18,867    | 60,867       | 125,486        | 17,766    | 41,956       | 16,636    | 49,128       |
| North Shewa       | 98,282             | 16,125    | 28,180       | 11,751    | 42,227       | 174,029        | 22,208    | 47,418       | 26,366    | 78,037       |
| East Shewa        | 12,020             | 827       | 8,977        | *         | 1,748        | 294,701        | 31,508    | 101,130      | 29,078    | 132,985      |
| Arsi              | 227,326            | 24,148    | 84,501       | 28,844    | 89,834       | 307,648        | 38,762    | 93,502       | 38,009    | 137,375      |
| West Harerghe     | *                  | -         | *            | -         | *            | 145,765        | 16,298    | 60,315       | 10,377    | 58,774       |
| East Harerghe     | *                  | -         | -            | *         | *            | 167,528        | 19,266    | 87,575       | 12,803    | 47,884       |
| Bale              | 150,801            | 18,943    | 58,952       | 18,415    | 54,491       | 189,914        | 22,385    | 73,670       | 17,332    | 76,528       |
| Borena            | 2,036              | *         | 1,567        | -         | *            | 63,024         | 6,397     | 23,170       | 5,165     | 28,292       |
| South West Shewa  | 20,855             | 2,475     | 12,948       | *         | 4,630        | 116,421        | 13,550    | 42,178       | 14,151    | 46,542       |
| Guji              | 104,563            | 9,387     | 41,216       | 9,118     | 44,842       | 40,039         | 4,671     | 17,761       | 1,948     | 15,658       |

TABLE 3-5 CONT'D

| Geographic Area    | HORSES AND DONKEYS |           |              |           |              |                |           |              |           |              |
|--------------------|--------------------|-----------|--------------|-----------|--------------|----------------|-----------|--------------|-----------|--------------|
|                    | ALL<br>HORSES      | HORSES    |              |           |              | ALL<br>DONKEYS | DONKEYS   |              |           |              |
|                    |                    | MALE      |              | FEMALE    |              |                | MALE      |              | FEMALE    |              |
|                    |                    | < 3 Years | 3 Yrs & more | < 3 Years | 3 Yrs & more |                | < 3 Years | 3 Yrs & more | < 3 Years | 3 Yrs & more |
| Somale             | *                  | *         | -            | -         | -            | 89,337         | 11,071    | 36,247       | 8,462     | 33,557       |
| Shinele            | -                  | -         | -            | -         | -            | 2,844          | 366       | 957          | 308       | 1,212        |
| Jijiga             | *                  | *         | -            | -         | -            | 63,971         | 8,395     | 25,295       | 6,490     | 23,791       |
| Liben              | -                  | -         | -            | -         | -            | 22,523         | 2,310     | 9,995        | 1,664     | 8,554        |
| Benshangul-Gumuz   | *                  | *         | *            | *         | *            | 39,923         | 4,630     | 22,084       | 2,493     | 10,715       |
| Metekel            | *                  | *         | *            | *         | *            | 17,272         | 1,690     | 12,351       | 626       | 2,604        |
| Asosa              | -                  | -         | -            | -         | -            | 17,664         | 2,404     | 6,454        | 1,568     | 7,237        |
| Kemeshi            | -                  | -         | -            | -         | -            | 4,987          | 536       | 3,278        | 299       | 874          |
| SNNP               | 307,104            | 28,730    | 120,555      | 30,936    | 126,883      | 302,798        | 23,310    | 119,845      | 25,942    | 133,701      |
| Gurage             | 54,359             | 6,379     | 13,130       | 7,178     | 27,672       | 41,246         | 3,023     | 18,014       | 4,567     | 15,643       |
| Hadiya             | 18,715             | 1,848     | 8,247        | *         | 7,512        | 46,365         | 4,150     | 8,026        | 6,666     | 27,523       |
| Kembata Tembaro    | 7,669              | 993       | 2,810        | *         | 3,550        | 21,926         | 1,049     | 15,446       | 1,162     | 4,268        |
| Sidama             | 65,031             | *         | 28,713       | 5,841     | 25,971       | 41,048         | 2,822     | 19,129       | *         | 17,433       |
| Gedio              | 23,578             | 1,185     | 12,771       | 1,640     | 7,983        | 2,408          | *         | 1,880        | -         | *            |
| Wolayita           | *                  | -         | *            | -         | -            | 34,690         | 1,959     | 21,068       | *         | 10,201       |
| South Omo          | 9,772              | 708       | 3,754        | 1,005     | 4,304        | 6,072          | *         | 1,367        | *         | 3,101        |
| Shaka              | 3,921              | *         | 2,473        | *         | *            | 1,380          | *         | 1,192        | -         | -            |
| Kaffa              | 53,419             | 5,272     | 25,634       | 4,480     | 18,034       | *              | *         | *            | *         | *            |
| Gamo Gofa          | 30,904             | 4,134     | 7,127        | 5,952     | 13,690       | 11,887         | *         | 7,413        | *         | 2,360        |
| Bench Maji         | 12,537             | 755       | 5,087        | *         | 6,142        | *              | -         | *            | -         | *            |
| Yem Sp. Wereda     | 411                | *         | 162          | -         | 226          | 2,652          | 169       | 1,104        | 198       | 1,180        |
| Amaro Sp. Wereda   | 3,007              | *         | 1,451        | 157       | 1,094        | 1,059          | *         | 792          | -         | 180          |
| Burji Sp. Wereda   | -                  | -         | -            | -         | -            | 3,603          | 326       | 1,548        | 400       | 1,328        |
| Konso Sp. Wereda   | -                  | -         | -            | -         | -            | 3,824          | *         | 1,146        | 506       | 1,828        |
| Derashe Sp. Wereda | *                  | *         | *            | -         | *            | 8,062          | 260       | 5,724        | 286       | 1,792        |
| Dawro              | 5,549              | 387       | 1,444        | 767       | 2,951        | 3,317          | *         | 1,758        | *         | 1,112        |
| Basketo Sp. Wereda | 292                | -         | 211          | *         | 64           | *              | *         | *            | -         | -            |
| Konta Sp. Wereda   | 895                | 172       | 379          | *         | 288          | *              | -         | *            | -         | -            |
| Silte              | 14,628             | 1,701     | 5,586        | 1,406     | 5,935        | 55,062         | 4,303     | 11,672       | 5,453     | 33,634       |
| Alaba Sp. Wereda   | 1,973              | *         | 1,264        | -         | 649          | 16,900         | 1,888     | 1,689        | 1,594     | 11,730       |
| Harari             | -                  | -         | -            | -         | -            | 6,985          | 680       | 3,441        | 388       | 2,475        |
| Hundene            | -                  | -         | -            | -         | -            | 6,985          | 680       | 3,441        | 388       | 2,475        |
| Addis Ababa        | 437                | *         | 387          | *         | 20           | 6,078          | 265       | 4,933        | 129       | 750          |
| Zone 3             | 279                | *         | 238          | *         | 20           | 3,772          | 60        | 3,528        | *         | 159          |
| Zone 6             | 159                | *         | 149          | -         | -            | 2,306          | 205       | 1,406        | 104       | 591          |
| Dire Dawa          | -                  | -         | -            | -         | -            | 10,083         | 1,046     | 3,067        | 1,022     | 4,948        |



TABLE 3-6: NUMBER OF MULES AND CAMELS BY AGE AND SEX OF ANIMAL, ZONE, AND REGION

| Geographic Area   | MULES     |           |                   |           |                   | CAMELS     |           |                   |           |                   |
|-------------------|-----------|-----------|-------------------|-----------|-------------------|------------|-----------|-------------------|-----------|-------------------|
|                   | All Mules | MALE      |                   | FEMALE    |                   | All Camels | MALE      |                   | FEMALE    |                   |
|                   |           | < 3 Years | 3 Years and Older | < 3 Years | 3 Years and Older |            | < 4 Years | 4 Years and Older | < 4 Years | 4 Years and Older |
| <b>Ethiopia</b>   | 340,572   | 19,385    | 145,091           | 21,735    | 154,361           | 436,622    | 57,328    | 120,979           | 61,828    | 196,487           |
| <b>Tigray</b>     | 7,901     | *         | 4,107             | -         | 3,719             | 32,777     | 2,000     | 30,777            | -         | -                 |
| North West Tigray | *         | -         | *                 | -         | *                 | 5,219      | *         | 4,427             | -         | -                 |
| Central Tigray    | 2,257     | -         | 1,428             | -         | 829               | 6,814      | *         | 6,469             | -         | -                 |
| Eastern Tigray    | *         | -         | *                 | -         | 757               | *          | -         | *                 | -         | -                 |
| Southern Tigray   | 2,948     | -         | *                 | -         | 1,381             | 16,909     | 862       | 16,046            | -         | -                 |
| Western Tigray    | 1,001     | *         | 685               | -         | *                 | 1,963      | -         | 1,963             | -         | -                 |
| <b>Afar</b>       | 150       | -         | *                 | -         | *                 | 112,131    | 10,533    | 17,698            | 22,064    | 61,836            |
| Zone 1            | -         | -         | -                 | -         | -                 | *          | *         | 7,220             | *         | *                 |
| Zone 3            | 150       | -         | *                 | -         | *                 | 93,051     | 8,785     | 10,478            | 18,363    | 55,425            |
| <b>Amhara</b>     | 102,580   | 6,970     | 38,820            | 8,260     | 48,529            | 14,678     | 3,760     | 9,628             | -         | *                 |
| North Gondar      | 12,744    | *         | 6,337             | *         | 5,725             | *          | -         | *                 | -         | -                 |
| South Gondar      | 16,139    | *         | 8,571             | *         | 5,556             | -          | -         | -                 | -         | -                 |
| North Wolo        | 13,678    | *         | 3,089             | 1,126     | 9,252             | 5,225      | *         | 2,752             | -         | -                 |
| South Wolo        | 19,867    | *         | 4,843             | 1,326     | 12,291            | *          | -         | *                 | -         | *                 |
| North Shewa       | 11,124    | 1,979     | 4,211             | 1,338     | 3,595             | *          | -         | *                 | -         | -                 |
| East Gojam        | 10,321    | *         | 3,702             | *         | 5,487             | -          | -         | -                 | -         | -                 |
| West Gojam        | 12,326    | *         | 4,576             | 2,200     | 4,496             | *          | -         | -                 | -         | *                 |
| Waghamera         | 1,772     | -         | 785               | -         | 987               | -          | -         | -                 | -         | -                 |
| Awi               | 4,113     | *         | 2,407             | *         | 943               | -          | -         | -                 | -         | -                 |
| Oromia            | *         | -         | *                 | -         | *                 | 5,506      | 1,287     | 3,720             | -         | *                 |
| <b>Oromia</b>     | 166,921   | 8,058     | 68,598            | 10,546    | 79,719            | 121,970    | 21,233    | 20,458            | 15,973    | 64,306            |
| West Wellega      | 9,459     | -         | 3,896             | *         | 5,128             | -          | -         | -                 | -         | -                 |
| East Wellega      | 11,469    | *         | 5,045             | *         | 4,854             | -          | -         | -                 | -         | -                 |
| Illubabor         | 10,365    | *         | 3,157             | 786       | 6,184             | -          | -         | -                 | -         | -                 |
| Jimma             | 28,812    | *         | 4,548             | *         | 19,900            | -          | -         | -                 | -         | -                 |
| West Shewa        | 9,828     | *         | 4,057             | *         | 3,954             | -          | -         | -                 | -         | -                 |
| North Shewa       | 5,155     | -         | 1,255             | *         | 3,084             | -          | -         | -                 | -         | -                 |
| East Shewa        | 8,516     | *         | 7,009             | -         | 826               | *          | *         | *                 | *         | *                 |
| Arsi              | 32,192    | 2,169     | 14,441            | 2,229     | 13,354            | *          | *         | *                 | -         | *                 |
| West Harerghe     | 2,509     | *         | *                 | -         | *                 | 15,789     | 2,500     | *                 | *         | 8,687             |
| East Harerghe     | *         | -         | -                 | -         | *                 | *          | -         | *                 | -         | *                 |
| Bale              | 19,301    | *         | 10,656            | -         | 8,412             | 21,655     | 4,861     | 5,151             | 2,474     | 9,169             |
| Borena            | 4,690     | -         | 3,107             | -         | 1,583             | 38,804     | 7,265     | 4,534             | 4,796     | 22,209            |
| South West Shewa  | 13,173    | *         | 5,434             | 581       | 7,023             | -          | -         | -                 | -         | -                 |
| Guji              | 11,170    | *         | 4,461             | 1,318     | 4,369             | *          | *         | *                 | *         | *                 |

TABLE 3-6 CONT'D

| Geographic Area         | MULES     |           |                   |           |                   | CAMELS     |           |                   |           |                   |
|-------------------------|-----------|-----------|-------------------|-----------|-------------------|------------|-----------|-------------------|-----------|-------------------|
|                         | All Mules | MALE      |                   | FEMALE    |                   | All Camels | MALE      |                   | FEMALE    |                   |
|                         |           | < 3 Years | 3 Years and Older | < 3 Years | 3 Years and Older |            | < 4 Years | 4 Years and Older | < 4 Years | 4 Years and Older |
| <b>Somale</b>           |           |           |                   |           |                   | 145,073    | 17,668    | 39,669            | 22,038    | 65,698            |
| Shinele                 |           |           |                   |           |                   | 4,717      | 494       | 1,568             | 552       | 2,103             |
| Jijiga                  |           |           |                   |           |                   | 55,575     | 7,175     | 22,230            | 4,975     | 21,195            |
| Liben                   |           |           |                   |           |                   | 84,781     | 9,999     | 15,871            | 16,511    | 42,399            |
| <b>Benshangul-Gumuz</b> | 1,501     |           | 527               | *         | 946               |            |           |                   |           |                   |
| Metekel                 | 1,048     |           | 372               |           | 676               |            |           |                   |           |                   |
| Asosa                   | *         |           | *                 |           | *                 |            |           |                   |           |                   |
| Kemeshi                 | 239       |           | *                 | *         | 120               |            |           |                   |           |                   |
| <b>SNNP</b>             | 61,135    | 4,262     | 32,641            | 2,900     | 21,331            | *          | *         | *                 | *         | *                 |
| Gurage                  | 2,108     |           | *                 | *         | 1,713             |            |           |                   |           |                   |
| Hadiya                  | 10,161    | *         | 5,788             | *         | 3,558             |            |           |                   |           |                   |
| Kembata Tembaro         | 1,804     |           | 1,158             | *         | 430               |            |           |                   |           |                   |
| Sidama                  | 3,366     | *         | *                 | *         | *                 | *          | *         | *                 | *         | *                 |
| Gedio                   | 4,454     |           | 2,434             |           | 2,020             |            |           |                   |           |                   |
| Wolayita                | 1,605     | *         | *                 | *         | 902               |            |           |                   |           |                   |
| South Omo               | 3,041     | *         | 1,301             | *         | 1,206             |            |           |                   |           |                   |
| Shaka                   | *         |           | *                 |           | *                 |            |           |                   |           |                   |
| Kaffa                   | 12,781    | *         | 9,741             | *         | 2,616             |            |           |                   |           |                   |
| Gamo Gofa               | 6,002     | 893       | 2,671             | *         | *                 |            |           |                   |           |                   |
| Bench Maji              | 2,234     |           | 845               | *         | *                 |            |           |                   |           |                   |
| Yem Sp. Wereda          | 113       |           | *                 |           | 90                |            |           |                   |           |                   |
| Amaro Sp. Wereda        | 1,293     | *         | 915               | *         | 267               |            |           |                   |           |                   |
| Burji Sp. Wereda        | *         |           |                   |           | *                 |            |           |                   |           |                   |
| Konso Sp. Wereda        |           |           |                   |           |                   |            |           |                   |           |                   |
| Derashe Sp. Wereda      | *         |           | *                 |           | *                 |            |           |                   |           |                   |
| Dawro                   | 4,405     | *         | 2,366             | 395       | 1,334             |            |           |                   |           |                   |
| Basketo Sp. Wereda      | 529       | *         | 285               | *         | 212               |            |           |                   |           |                   |
| Konta Sp. Wereda        | 613       | *         | 495               |           | *                 | *          | *         | *                 |           |                   |
| Silte                   | 5,579     | 1,084     | 2,565             | *         | 1,652             | *          |           | *                 |           | *                 |
| Alaba Sp. Wereda        | 513       |           | 208               |           | 305               |            |           |                   |           |                   |
| <b>Harari</b>           | *         |           | *                 |           |                   | *          | *         | *                 | *         | *                 |
| Hundene                 | *         |           | *                 |           |                   | *          | *         | *                 | *         | *                 |
| <b>Addis Ababa</b>      | 364       | *         | 308               |           | *                 |            |           |                   |           |                   |
| Zone 3                  | 149       | *         | 129               |           | *                 |            |           |                   |           |                   |
| Zone 6                  | 215       | *         | 180               |           | *                 |            |           |                   |           |                   |
| <b>Dire Dawa</b>        |           |           |                   |           |                   | 6,409      | 1,322     | 1,836             | 1,001     | 2,250             |

TABLE 3-7: CATTLE AGED 3 – 10 YEARS BY SEX, PURPOSE, ZONE, AND REGION

| Geographic Area   | CATTLE AGED 3 – 10 YEARS |            |         |          |         |           |         |        |           |           |
|-------------------|--------------------------|------------|---------|----------|---------|-----------|---------|--------|-----------|-----------|
|                   | Total                    | MALE       |         |          |         | FEMALE    |         |        |           |           |
|                   |                          | Draught    | Beef    | Breeding | Other   | Milk      | Draught | Beef   | Breeding  | Other     |
| <b>Ethiopia</b>   | 25,700,083               | 10,234,408 | 215,755 | 376,196  | 374,855 | 6,217,640 | 133,501 | 73,596 | 7,056,883 | 1,017,248 |
| <b>Tigray</b>     | 1,677,384                | 788,313    | 3,762   | 17,543   | 6,109   | 44,961    | 5,950   | 4,856  | 792,663   | 13,226    |
| North West Tigray | 414,628                  | 176,848    | 882     | 4,681    | 1,337   | 8,540     | 1,050   | *      | 216,542   | 3,934     |
| Central Tigray    | 407,809                  | 224,330    | *       | 2,784    | *       | 17,774    | 1,142   | *      | 157,987   | *         |
| Eastern Tigray    | 193,614                  | 92,343     | *       | 2,134    | *       | 3,424     | 1,034   | *      | 91,607    | 2,038     |
| Southern Tigray   | 422,602                  | 207,565    | *       | 5,693    | 2,814   | 12,675    | 1,729   | *      | 182,810   | 5,701     |
| Western Tigray    | 238,731                  | 87,227     | 803     | 2,252    | *       | 2,548     | 995     | 809    | 143,718   | -         |
| <b>Afar</b>       | 183,096                  | 7,848      | 2,864   | 13,787   | 2,492   | 97,006    | *       | 741    | 55,908    | 2,349     |
| Zone 1            | 67,542                   | 2,489      | *       | 3,535    | *       | 40,233    | -       | *      | 18,177    | 1,112     |
| Zone 3            | 115,553                  | 5,358      | 1,220   | 10,251   | 2,474   | 56,773    | *       | 407    | 37,731    | 1,237     |
| <b>Amhara</b>     | 6,716,536                | 3,346,686  | 24,775  | 59,122   | 81,379  | 447,852   | 66,713  | 11,402 | 2,532,252 | 146,356   |
| North Gonder      | 1,082,869                | 464,238    | 4,294   | 10,696   | 24,680  | 70,712    | 3,337   | *      | 471,132   | 33,421    |
| South Gonder      | 775,506                  | 389,902    | 1,507   | *        | 9,323   | 53,378    | 9,371   | *      | 295,094   | 8,494     |
| North Wolo        | 563,150                  | 280,543    | *       | 4,088    | 4,187   | 29,019    | 7,102   | -      | 227,387   | 10,382    |
| South Wolo        | 992,661                  | 512,299    | *       | 9,199    | *       | 101,830   | 10,166  | -      | 341,652   | 12,189    |
| North Shewa       | 756,051                  | 425,343    | 3,097   | 8,624    | 9,456   | 44,923    | 2,411   | 4,644  | 241,147   | 16,406    |
| East Gojam        | 805,466                  | 433,844    | 6,979   | 6,217    | 3,255   | 33,012    | 10,625  | *      | 289,282   | 20,167    |
| West Gojam        | 930,438                  | 488,767    | 4,967   | 6,963    | 12,213  | 64,613    | 13,274  | *      | 316,712   | 21,518    |
| Waghamera         | 164,023                  | 80,590     | *       | 560      | *       | *         | 761     | *      | 77,609    | 2,929     |
| Awi               | 469,230                  | 193,036    | *       | 4,805    | 13,112  | 20,363    | 8,546   | 1,167  | 208,262   | 18,009    |
| Oromia            | 177,142                  | 78,125     | 382     | 981      | 647     | 28,877    | 1,121   | *      | 63,974    | 2,839     |
| <b>Oromia</b>     | 11,591,922               | 4,601,827  | 120,943 | 200,997  | 165,353 | 3,071,998 | 49,291  | 35,966 | 2,960,536 | 385,011   |
| West Wellega      | 727,132                  | 319,684    | 2,383   | 20,018   | 3,312   | 200,228   | 3,673   | *      | 172,403   | 4,916     |
| East Wellega      | 921,378                  | 397,776    | *       | 20,211   | 18,926  | 189,000   | 5,958   | *      | 271,088   | 18,013    |
| Illubabor         | 492,237                  | 221,528    | *       | *        | 5,356   | 82,894    | *       | *      | 160,114   | 16,279    |
| Jimma             | 1,227,227                | 568,090    | 3,974   | *        | 14,677  | 270,775   | *       | *      | 325,435   | 39,657    |
| West Shewa        | 1,094,083                | 456,559    | 13,195  | 20,627   | *       | 254,360   | 5,300   | 2,438  | 281,474   | *         |
| North Shewa       | 782,172                  | 358,691    | 13,002  | 10,152   | 13,552  | 211,458   | *       | *      | 141,024   | 25,023    |
| East Shewa        | 909,993                  | 404,818    | *       | 12,030   | 15,580  | 245,554   | 3,585   | 2,596  | 195,356   | 24,090    |
| Arsi              | 1,589,911                | 700,501    | 16,873  | 12,168   | 23,534  | 390,443   | 8,829   | *      | 379,000   | 49,782    |
| West Harerghe     | 494,095                  | 199,285    | 10,341  | 4,282    | *       | 70,471    | 1,877   | *      | 202,740   | 3,280     |
| East Harerghe     | 510,205                  | 119,783    | 20,469  | *        | 1,998   | 198,103   | *       | *      | 145,520   | 16,753    |
| Bale              | 1,101,693                | 370,643    | 10,922  | 8,860    | 21,795  | 502,584   | *       | *      | 99,397    | 81,283    |
| Borena            | 675,520                  | 114,990    | 9,741   | 42,141   | *       | 114,680   | *       | 4,214  | 324,694   | *         |
| South West Shewa  | 486,565                  | 252,325    | 3,512   | 5,180    | 6,280   | 139,250   | 2,116   | *      | 73,122    | 4,073     |
| Guji              | 579,712                  | 117,156    | 8,296   | 38,290   | 1,857   | 202,197   | *       | *      | 189,169   | 14,187    |

TABLE 3-7 CONT'D

| Geographic Area         | CATTLE AGED 3 – 10 YEARS |           |        |          |         |           |         |        |          |         |
|-------------------------|--------------------------|-----------|--------|----------|---------|-----------|---------|--------|----------|---------|
|                         | Total                    | MALE      |        |          |         | FEMALE    |         |        |          |         |
|                         |                          | Draught   | Beef   | Breeding | Other   | Milk      | Draught | Beef   | Breeding | Other   |
| <b>Somale</b>           | 293,516                  | 57,885    | 2,037  | 13,168   | *       | 117,736   | *       | *      | 97,471   | 3,639   |
| Shinele                 | 6,903                    | 712       | 227    | 288      | 17      | 2,404     | 6       | 56     | 2,686    | 506     |
| Jijiga                  | 206,093                  | 50,237    | 1,522  | 3,339    | *       | 93,247    | *       | -      | 55,519   | 1,660   |
| Liben                   | 80,521                   | 6,936     | *      | 9,542    | *       | 22,085    | *       | *      | 39,266   | *       |
| <b>Benshangul-Gumuz</b> | 207,709                  | 85,515    | 1,105  | 1,308    | 2,873   | 23,972    | 1,011   | *      | 87,151   | 4,681   |
| Metekel                 | 139,904                  | 58,043    | *      | 769      | *       | 6,663     | 460     | -      | 68,220   | *       |
| Asosa                   | 43,116                   | 18,799    | *      | 298      | 607     | 13,098    | *       | -      | 9,352    | *       |
| Kemeshi                 | 24,689                   | 8,673     | *      | 241      | *       | 4,210     | *       | *      | 9,578    | 1,071   |
| <b>SNNP</b>             | 4,970,033                | 1,327,567 | 58,884 | 69,683   | 115,408 | 2,396,684 | 9,155   | 20,074 | 514,452  | 458,126 |
| Gurage                  | 545,822                  | 108,967   | *      | 5,505    | 16,306  | 272,740   | 1,870   | *      | 47,330   | 90,866  |
| Hadiya                  | 416,794                  | 143,391   | *      | *        | 18,073  | 188,455   | *       | -      | 14,171   | 50,721  |
| Kembata Tembaro         | 184,484                  | 51,494    | *      | *        | 6,687   | 86,413    | 438     | *      | 5,461    | 32,794  |
| Sidama                  | 857,127                  | 65,069    | 15,076 | 17,272   | 12,071  | 572,295   | *       | 8,278  | 74,959   | 91,476  |
| Gedio                   | 82,002                   | 7,287     | 20,338 | *        | *       | 22,975    | -       | 7,444  | 19,135   | 3,103   |
| Wolayita                | 479,965                  | 149,665   | 3,128  | 2,559    | 13,054  | 255,694   | 2,310   | -      | 11,198   | 42,357  |
| South Omo               | 296,246                  | 69,300    | *      | 24,573   | 4,285   | 111,770   | *       | *      | 76,536   | 3,868   |
| Shaka                   | 49,691                   | 14,979    | 1,021  | *        | *       | 25,017    | -       | *      | 7,389    | 733     |
| Kaffa                   | 379,697                  | 154,656   | 2,865  | *        | -       | 148,209   | *       | *      | 70,736   | *       |
| Gamo Gofa               | 584,829                  | 168,160   | 1,801  | *        | 13,372  | 253,342   | *       | 924    | 76,288   | 66,113  |
| Bench Maji              | 220,553                  | 72,836    | *      | *        | -       | 121,944   | *       | *      | 21,990   | *       |
| Yem Sp. Wereda          | 37,887                   | 17,074    | 474    | *        | 737     | 8,446     | *       | -      | 8,537    | 2,508   |
| Amaro Sp. Wereda        | 65,121                   | 24,484    | 481    | *        | 1,269   | 7,150     | -       | *      | 28,176   | 2,987   |
| Burji Sp. Wereda        | 23,778                   | 13,078    | *      | 278      | 453     | 3,606     | -       | *      | 5,186    | 1,109   |
| Konso Sp. Wereda        | 60,164                   | 23,181    | 2,608  | 2,457    | *       | 14,338    | *       | -      | 15,969   | 1,313   |
| Derashe Sp. Wereda      | 50,460                   | 26,922    | 320    | 1,332    | *       | 13,406    | *       | *      | 6,976    | 792     |
| Dawro                   | 175,932                  | 45,228    | 862    | 3,713    | 3,606   | 96,962    | *       | 469    | 8,719    | 16,144  |
| Basketo Sp. Wereda      | 15,653                   | 5,582     | *      | 124      | 344     | 7,368     | *       | *      | 1,257    | 908     |
| Konta Sp. Wereda        | 36,317                   | 14,707    | *      | 406      | 261     | 17,755    | *       | -      | 2,088    | 973     |
| Silte                   | 325,824                  | 119,360   | 561    | *        | 21,063  | 132,782   | 1,246   | *      | *        | 38,801  |
| Alaba Sp. Wereda        | 81,686                   | 32,145    | *      | *        | 2,900   | 36,017    | *       | *      | *        | 7,969   |
| <b>Harari</b>           | 20,548                   | 4,441     | 682    | *        | *       | 8,352     | *       | *      | 4,927    | 1,520   |
| Hundene                 | 20,548                   | 4,441     | 682    | *        | *       | 8,352     | *       | *      | 4,927    | 1,520   |
| <b>Addis Ababa</b>      | 18,583                   | 10,007    | 94     | 143      | 451     | 3,647     | *       | *      | 3,250    | 929     |
| Zone 3                  | 12,386                   | 6,255     | 41     | 64       | 192     | 2,387     | *       | *      | 2,762    | 630     |
| Zone 6                  | 6,197                    | 3,752     | *      | *        | *       | 1,260     | *       | -      | 488      | 299     |
| <b>Dire Dawa</b>        | 20,757                   | 4,320     | 609    | 310      | *       | 5,432     | *       | *      | 8,274    | 1,409   |

TABLE 3-8: SHEEP AGED 2 YEARS AND OLDER BY SEX, PURPOSE, ZONE, AND REGION

| Geographic Area   | SHEEP AGED 2 YEARS AND OLDER |             |       |          |        |             |        |           |        |
|-------------------|------------------------------|-------------|-------|----------|--------|-------------|--------|-----------|--------|
|                   | Total                        | MALE        |       |          |        | FEMALE      |        |           |        |
|                   |                              | Mutton/Meat | Wool  | Breeding | Other  | Mutton/Meat | Wool   | Breeding  | Other  |
| <b>Ethiopia</b>   | 10,600,874                   | 404,212     | 2,284 | 514,435  | 54,851 | 49,566      | 36,521 | 9,488,026 | 50,979 |
| <b>Tigray</b>     | 433,009                      | 6,525       | *     | 39,676   | *      | 1,378       | 2,057  | 380,848   | 1,410  |
| North West Tigray | 37,985                       | -           | -     | 5,290    | -      | 126         | -      | 32,409    | 160    |
| Central Tigray    | 108,116                      | *           | -     | 13,043   | *      | -           | 915    | 92,759    | -      |
| Eastern Tigray    | 182,951                      | 1,605       | -     | 10,758   | -      | 722         | 854    | 167,864   | 1,149  |
| Southern Tigray   | 90,577                       | *           | *     | 9,452    | *      | 460         | 287    | 75,773    | 101    |
| Western Tigray    | 13,380                       | *           | -     | *        | -      | 70          | -      | 12,044    | -      |
| <b>Afar</b>       | 75,449                       | 3,560       | *     | 8,436    | 1,627  | 1,234       | 714    | 59,169    | 634    |
| Zone 1            | 23,017                       | *           | -     | 2,511    | *      | 148         | 224    | 18,894    | 37     |
| Zone 3            | 52,432                       | 2,784       | *     | 5,925    | 1,201  | 1,086       | 490    | 40,274    | 597    |
| <b>Amhara</b>     | 4,045,278                    | 175,121     | *     | 214,354  | 24,546 | 14,133      | 11,409 | 3,586,105 | 19,417 |
| North Gondar      | 347,681                      | 7,565       | -     | 24,130   | *      | 3,058       | -      | 310,490   | 1,249  |
| South Gondar      | 397,278                      | 4,420       | -     | 13,680   | *      | 1,282       | 1,126  | 374,386   | 1,845  |
| North Wolo        | 344,539                      | 19,946      | *     | 26,245   | *      | 858         | 581    | 287,641   | 1,954  |
| South Wolo        | 1,066,325                    | 68,271      | -     | 86,134   | 9,123  | 1,011       | 2,559  | 890,470   | 8,757  |
| North Shewa       | 702,730                      | 47,351      | -     | 37,914   | *      | 2,575       | 5,910  | 598,403   | 4,484  |
| East Gojam        | 656,665                      | 18,346      | -     | 11,974   | -      | 4,359       | 302    | 621,000   | 684    |
| West Gojam        | 308,412                      | 4,172       | -     | 5,898    | -      | 472         | 286    | 297,584   | -      |
| Waghamera         | 34,622                       | 1,370       | -     | 5,881    | *      | -           | -      | 27,118    | 164    |
| Awi               | 172,022                      | *           | -     | 1,524    | -      | 340         | 646    | 167,975   | 280    |
| Oromia            | 15,004                       | 2,421       | -     | *        | *      | 179         | -      | 11,038    | -      |
| <b>Oromia</b>     | 3,897,207                    | 135,981     | *     | 124,133  | 19,592 | 25,676      | 17,491 | 3,550,520 | 22,845 |
| West Wellega      | 179,604                      | 3,053       | -     | 10,035   | *      | 433         | 2,997  | 160,418   | 1,254  |
| East Wellega      | 179,694                      | 3,153       | -     | 4,736    | *      | 581         | 932    | 165,652   | 220    |
| Illubabor         | 174,531                      | 4,593       | -     | 3,130    | *      | 1,083       | 177    | 164,320   | 787    |
| Jimma             | 424,170                      | 7,766       | -     | 7,484    | *      | 2,319       | -      | 405,388   | 903    |
| West Shewa        | 505,145                      | 23,265      | -     | 8,728    | *      | 2,075       | 1,662  | 466,495   | 202    |
| North Shewa       | 542,496                      | 35,934      | -     | 13,712   | *      | 3,085       | 3,688  | 483,960   | -      |
| East Shewa        | 198,926                      | 4,951       | -     | 14,892   | *      | 985         | 1,489  | 175,656   | 241    |
| Arsi              | 786,505                      | 23,240      | *     | 24,820   | *      | 9,142       | 3,080  | 718,090   | 4,754  |
| West Harerghe     | 83,648                       | 4,055       | -     | *        | *      | 187         | -      | 74,699    | 540    |
| East Harerghe     | 153,181                      | 10,252      | -     | 4,341    | *      | 1,710       | -      | 135,176   | 238    |
| Bale              | 344,748                      | 5,645       | -     | 5,689    | *      | 2,913       | 1,198  | 313,985   | 13,461 |
| Borena            | 93,197                       | 1,781       | -     | 9,736    | *      | 807         | -      | 80,507    | 105    |
| South West Shewa  | 78,967                       | 6,438       | *     | 2,463    | -      | -           | 1,544  | 67,776    | 139    |
| Guji              | 152,395                      | 1,853       | -     | 10,483   | *      | 356         | 722    | 138,399   | -      |

TABLE 3-8 CONT'D

| Geographic Area         | SHEEP AGED 2 YEARS AND OLDER |             |      |          |       |             |       |           |       |
|-------------------------|------------------------------|-------------|------|----------|-------|-------------|-------|-----------|-------|
|                         | Total                        | MALE        |      |          |       | FEMALE      |       |           |       |
|                         |                              | Mutton/Meat | Wool | Breeding | Other | Mutton/Meat | Wool  | Breeding  | Other |
| <b>Somale</b>           | 320,967                      | 14,367      | *    | 41,347   | *     | 1,320       | 1,022 | 262,264   | 300   |
| Shinele                 | 16,114                       | 945         | 34   | 1,784    | 13    | 39          | 170   | 13,128    | -     |
| Jijiga                  | 232,231                      | 11,462      | *    | 27,335   | -     | 101         | 589   | 192,469   | 92    |
| Liben                   | 72,621                       | *           | *    | 12,228   | *     | 1,180       | 263   | 56,668    | 208   |
| <b>Benshangul-Gumuz</b> | 31,049                       | 758         | -    | 2,187    | *     | -           | -     | 27,798    | 66    |
| Metekel                 | 19,810                       | 500         | -    | 1,136    | *     | -           | -     | 18,050    | -     |
| Asosa                   | 5,636                        | *           | -    | *        | *     | -           | -     | 4,930     | -     |
| Kemeshi                 | 5,603                        | *           | -    | 611      | -     | -           | -     | 4,818     | 66    |
| <b>SNNP</b>             | 1,763,257                    | 65,594      | *    | 81,934   | 7,715 | 5,573       | 3,549 | 1,592,024 | 6,260 |
| Gurage                  | 145,963                      | 1,466       | *    | 3,789    | *     | -           | 202   | 139,201   | 479   |
| Hadiya                  | 121,379                      | *           | -    | 3,290    | *     | -           | -     | 114,426   | 2,229 |
| Kembata Tembaro         | 48,735                       | 3,641       | -    | *        | *     | -           | -     | 43,793    | 106   |
| Sidama                  | 203,657                      | 5,979       | -    | 6,638    | *     | 1,149       | 338   | 187,682   | 1,145 |
| Gedio                   | 88,041                       | 3,501       | -    | 4,248    | -     | 150         | 75    | 79,642    | 426   |
| Wolayita                | 86,416                       | 11,169      | -    | 4,552    | *     | 219         | 451   | 69,828    | -     |
| South Omo               | 183,944                      | 11,379      | -    | 19,766   | *     | 1,248       | 415   | 147,908   | 796   |
| Shaka                   | 24,082                       | 892         | -    | *        | *     | -           | -     | 22,824    | 161   |
| Kaffa                   | 197,583                      | 3,428       | *    | 2,221    | *     | 1,640       | 1,038 | 188,987   | -     |
| Gamo Gofa               | 262,706                      | 5,737       | -    | 14,764   | *     | -           | 452   | 240,358   | 254   |
| Bench Maji              | 97,207                       | 1,596       | *    | *        | -     | 240         | 431   | 91,682    | 409   |
| Yem Sp. Wereda          | 13,657                       | 147         | -    | 465      | -     | 23          | -     | 12,950    | 71    |
| Amaro Sp. Wereda        | 30,587                       | 1,584       | -    | 2,926    | *     | -           | -     | 25,986    | 48    |
| Burji Sp. Wereda        | 1,739                        | *           | -    | 162      | *     | 17          | 17    | 1,430     | -     |
| Konso Sp. Wereda        | 47,631                       | 8,274       | -    | 7,505    | *     | 405         | 55    | 31,095    | -     |
| Derashe Sp. Wereda      | 7,898                        | 487         | -    | 1,737    | -     | -           | 59    | 5,616     | -     |
| Dawro                   | 46,101                       | 1,338       | -    | 1,272    | *     | 160         | -     | 43,009    | -     |
| Basketo Sp. Wereda      | 7,041                        | 144         | -    | 232      | *     | -           | 16    | 6,632     | -     |
| Konta Sp. Wereda        | 7,503                        | 527         | -    | 442      | *     | 31          | -     | 6,473     | -     |
| Silte                   | 121,881                      | 2,621       | *    | 3,260    | *     | 292         | -     | 114,243   | 136   |
| Alaba Sp. Wereda        | 19,507                       | *           | -    | 736      | -     | -           | -     | 18,259    | -     |
| <b>Harari</b>           | 2,281                        | 313         | -    | *        | *     | -           | -     | 1,839     | -     |
| Hundene                 | 2,281                        | 313         | -    | *        | *     | -           | -     | 1,839     | -     |
| <b>Addis Ababa</b>      | 5,766                        | 222         | -    | 290      | -     | 9           | 18    | 5,227     | -     |
| Zone 3                  | 4,090                        | 161         | -    | 193      | -     | 9           | 18    | 3,709     | -     |
| Zone 6                  | 1,676                        | 61          | -    | *        | -     | -           | -     | 1,518     | -     |
| <b>Dire Dawa</b>        | 26,612                       | 1,771       | *    | 2,012    | -     | 243         | 262   | 22,232    | 48    |

TABLE 3-9: GOATS AGED 2 YEARS AND OLDER BY SEX, PURPOSE, ZONE, AND REGION

| Geographic Area   | GOATS AGED 2 YEARS AND OLDER |         |          |        |         |        |           |        |
|-------------------|------------------------------|---------|----------|--------|---------|--------|-----------|--------|
|                   | Total                        | MALE    |          |        | FEMALE  |        |           |        |
|                   |                              | Meat    | Breeding | Other  | Milk    | Meat   | Breeding  | Other  |
| <b>Ethiopia</b>   | 7,844,702                    | 502,849 | 673,841  | 42,957 | 491,458 | 46,677 | 6,061,270 | 25,649 |
| <b>Tigray</b>     | 1,174,848                    | 35,745  | 148,417  | 1,673  | 9,196   | 6,703  | 971,438   | 1,675  |
| North West Tigray | 363,035                      | 5,806   | 45,810   | -      | *       | *      | 309,700   | *      |
| Central Tigray    | 440,003                      | 18,372  | 64,177   | *      | 5,707   | *      | 348,821   | *      |
| Eastern Tigray    | 93,888                       | 1,553   | 8,588    | -      | *       | *      | 80,796    | -      |
| Southern Tigray   | 155,076                      | 3,649   | 18,174   | *      | 2,244   | *      | 127,991   | *      |
| Western Tigray    | 122,846                      | 6,364   | 11,668   | *      | -       | *      | 104,130   | *      |
| <b>Afar</b>       | 199,384                      | 10,867  | 20,008   | 2,868  | 85,988  | 1,949  | 75,127    | *      |
| Zone 1            | 66,515                       | *       | 5,292    | *      | 25,873  | *      | 28,145    | *      |
| Zone 3            | 132,869                      | 7,437   | 14,716   | 1,625  | 60,115  | 846    | 46,982    | *      |
| <b>Amhara</b>     | 2,372,639                    | 240,202 | 183,988  | 16,908 | 5,909   | 15,562 | 1,904,075 | 5,996  |
| North Gonder      | 498,034                      | 29,057  | 38,344   | *      | -       | 4,639  | 423,213   | *      |
| South Gonder      | 243,979                      | 15,765  | 12,738   | *      | -       | *      | 211,954   | -      |
| North Wolo        | 323,365                      | 37,382  | 18,979   | *      | *       | *      | 264,225   | *      |
| South Wolo        | 420,431                      | 47,528  | 50,469   | *      | -       | *      | 307,652   | *      |
| North Shewa       | 325,702                      | 80,440  | 23,004   | 3,427  | *       | *      | 214,842   | *      |
| East Gojam        | 118,793                      | 8,523   | 5,844    | *      | -       | *      | 103,728   | -      |
| West Gojam        | 127,785                      | *       | 3,665    | -      | *       | *      | 115,299   | -      |
| Waghamera         | 189,285                      | 6,388   | 25,197   | *      | *       | -      | 155,010   | *      |
| Awi               | 61,211                       | 3,925   | 2,881    | -      | -       | *      | 53,495    | *      |
| Oromia            | 64,053                       | 4,283   | 2,867    | *      | *       | *      | 54,657    | *      |
| <b>Oromia</b>     | 2,524,872                    | 142,447 | 163,476  | 12,579 | 236,623 | 13,992 | 1,946,169 | 9,588  |
| West Wellega      | 45,597                       | *       | 5,534    | -      | *       | -      | 38,842    | -      |
| East Wellega      | 75,023                       | 3,633   | 4,717    | *      | *       | -      | 61,884    | *      |
| Illubabor         | 46,244                       | *       | *        | *      | -       | *      | 41,871    | -      |
| Jimma             | 118,879                      | 2,956   | *        | *      | *       | *      | 107,790   | *      |
| West Shewa        | 96,532                       | 7,077   | 5,692    | -      | *       | *      | 80,895    | *      |
| North Shewa       | 79,711                       | 7,407   | *        | -      | *       | *      | 65,829    | -      |
| East Shewa        | 264,118                      | 4,546   | 20,459   | -      | *       | *      | 192,130   | *      |
| Arsi              | 219,940                      | 20,345  | 9,015    | *      | 12,390  | *      | 172,493   | *      |
| West Harerghe     | 362,432                      | 23,858  | 26,931   | 3,280  | 18,701  | *      | 287,941   | *      |
| East Harerghe     | 424,750                      | 55,208  | 18,189   | *      | 30,923  | 3,191  | 310,390   | *      |
| Bale              | 311,610                      | 4,558   | 9,427    | *      | 114,935 | *      | 180,781   | *      |
| Borena            | 276,170                      | 3,762   | 27,956   | 423    | *       | *      | 239,082   | *      |
| South West Shewa  | 76,718                       | 6,223   | 4,470    | *      | *       | *      | 65,534    | -      |
| Guji              | 127,148                      | *       | 17,997   | *      | *       | *      | 100,708   | *      |

TABLE 3-9 CONT'D

| Geographic Area         | GOATS AGED 2 YEARS AND OLDER |        |          |       |         |       |          |       |
|-------------------------|------------------------------|--------|----------|-------|---------|-------|----------|-------|
|                         | Total                        | MALE   |          |       | FEMALE  |       |          |       |
|                         |                              | Meat   | Breeding | Other | Milk    | Meat  | Breeding | Other |
| <b>Somale</b>           | 351,825                      | 17,807 | 49,218   | *     | 35,023  | 2,551 | 245,801  | *     |
| Shinele                 | 34,414                       | 1,161  | 3,453    | -     | 894     | 87    | 28,819   | -     |
| Jijiga                  | 195,889                      | 12,728 | 22,792   | -     | 8,614   | *     | 150,634  | -     |
| Liben                   | 121,522                      | 3,919  | 22,973   | *     | 25,514  | *     | 66,347   | *     |
| <b>Benshangul-Gumuz</b> | 128,803                      | 5,125  | 8,889    | *     | 1,308   | 812   | 111,404  | *     |
| Metekel                 | 40,720                       | 1,895  | 2,013    | *     | *       | *     | 36,075   | *     |
| Asosa                   | 68,480                       | *      | 4,889    | *     | *       | *     | 58,847   | *     |
| Kemeshi                 | 19,603                       | 357    | 1,987    | *     | *       | *     | 16,482   | *     |
| <b>SNNP</b>             | 1,014,498                    | 46,759 | 95,404   | 7,899 | 113,260 | 3,987 | 743,227  | 3,963 |
| Gurage                  | 50,762                       | *      | 1,902    | *     | *       | *     | 45,286   | *     |
| Hadiya                  | 55,655                       | *      | 4,822    | *     | 4,267   | -     | 44,723   | *     |
| Kembata Tembaro         | 19,259                       | 1,699  | *        | -     | 1,177   | *     | 16,056   | -     |
| Sidama                  | 92,593                       | 2,349  | 4,996    | *     | 14,888  | *     | 68,304   | *     |
| Gedio                   | 3,950                        | *      | *        | -     | -       | -     | 3,292    | -     |
| Wolayita                | 53,209                       | *      | 2,143    | *     | *       | *     | 48,479   | *     |
| South Omo               | 273,765                      | 16,159 | 38,776   | *     | 74,377  | *     | 138,154  | *     |
| Shaka                   | 3,564                        | *      | *        | *     | -       | *     | 3,284    | -     |
| Kaffa                   | 45,084                       | *      | *        | *     | *       | *     | 43,607   | -     |
| Gamo Gofa               | 121,611                      | 5,548  | *        | *     | *       | -     | 100,257  | *     |
| Bench Maji              | 22,337                       | 1,399  | 1,137    | -     | -       | *     | 19,679   | -     |
| Yem Sp. Wereda          | 9,850                        | *      | 386      | *     | -       | *     | 9,298    | *     |
| Amaro Sp. Wereda        | 22,796                       | 1,208  | 2,389    | *     | *       | *     | 18,781   | *     |
| Burji Sp. Wereda        | 13,539                       | 334    | 2,301    | *     | *       | *     | 10,711   | -     |
| Konso Sp. Wereda        | 80,196                       | 7,526  | 12,443   | *     | *       | *     | 59,178   | -     |
| Derashe Sp. Wereda      | 36,520                       | 1,777  | 8,064    | -     | -       | *     | 26,643   | -     |
| Dawro                   | 17,143                       | *      | 1,055    | -     | *       | -     | 15,487   | *     |
| Basketo Sp. Wereda      | 2,413                        | *      | 195      | -     | -       | *     | 2,162    | -     |
| Konta Sp. Wereda        | 3,446                        | *      | *        | *     | -       | -     | 3,090    | *     |
| Silte                   | 61,910                       | 3,584  | 2,425    | *     | 6,265   | 572   | 48,626   | *     |
| Alaba Sp. Wereda        | 24,897                       | 1,422  | 1,432    | -     | 3,915   | -     | 18,129   | -     |
| <b>Harari</b>           | 14,989                       | 596    | 343      | *     | 1,482   | *     | 12,294   | *     |
| Hundene                 | 14,989                       | 596    | 343      | *     | 1,482   | *     | 12,294   | *     |
| <b>Addis Ababa</b>      | 1,724                        | *      | 101      | -     | -       | -     | 1,586    | -     |
| Zone 3                  | 1,204                        | *      | 75       | -     | -       | -     | 1,093    | -     |
| Zone 6                  | 519                          | -      | *        | -     | -       | -     | 493      | -     |
| <b>Dire Dawa</b>        | 61,119                       | 3,265  | 3,997    | -     | 2,669   | *     | 50,150   | *     |



TABLE 3-10: HORSES AGED 3 YEARS AND OLDER BY SEX, PURPOSE, ZONE, AND REGION

| Geographic Area   | HORSES AGED 3 YEARS AND OLDER |                |         |        |                |         |         |
|-------------------|-------------------------------|----------------|---------|--------|----------------|---------|---------|
|                   | Total                         | MALE           |         |        | FEMALE         |         |         |
|                   |                               | Transportation | Draught | Other  | Transportation | Draught | Other   |
| <b>Ethiopia</b>   | 1,230,103                     | 500,010        | 85,892  | 12,150 | 364,998        | 74,173  | 192,880 |
| <b>Tigray</b>     | 1,409                         | *              | *       | -      | *              | *       | *       |
| North West Tigray | -                             | -              | -       | -      | -              | -       | -       |
| Central Tigray    | -                             | -              | -       | -      | -              | -       | -       |
| Eastern Tigray    | *                             | -              | *       | -      | -              | -       | *       |
| Southern Tigray   | 708                           | *              | -       | -      | *              | -       | -       |
| Western Tigray    | *                             | *              | *       | -      | *              | *       | *       |
| <b>Afar</b>       | -                             | -              | -       | -      | -              | -       | -       |
| Zone 1            | -                             | -              | -       | -      | -              | -       | -       |
| Zone 3            | -                             | -              | -       | -      | -              | -       | -       |
| <b>Amhara</b>     | 231,445                       | 41,257         | 61,479  | 2,458  | 28,319         | 44,397  | 53,533  |
| North Gonder      | 31,042                        | 7,190          | *       | -      | 5,197          | *       | 6,143   |
| South Gonder      | 18,794                        | 2,901          | *       | *      | *              | *       | 11,783  |
| North Wolo        | 12,612                        | 1,619          | *       | -      | *              | *       | *       |
| South Wolo        | 31,106                        | 6,472          | *       | *      | 7,775          | *       | 13,644  |
| North Shewa       | 30,940                        | 5,769          | *       | -      | 10,095         | *       | 6,200   |
| East Gojam        | 46,027                        | 12,776         | 9,905   | -      | 2,851          | 11,305  | 9,191   |
| West Gojam        | 12,640                        | *              | 2,778   | *      | -              | 3,033   | *       |
| Waghamera         | *                             | -              | *       | -      | -              | -       | -       |
| Awi               | 48,005                        | 2,280          | 29,544  | *      | *              | 12,495  | *       |
| Oromia            | *                             | *              | -       | -      | -              | -       | -       |
| <b>Oromia</b>     | 748,805                       | 347,769        | 17,847  | 5,007  | 258,414        | 19,410  | 100,358 |
| West Wellega      | 4,203                         | *              | -       | -      | 1,315          | *       | -       |
| East Wellega      | 37,982                        | 17,412         | *       | *      | 14,626         | *       | 4,294   |
| Illubabor         | 24,363                        | 7,354          | *       | *      | 7,089          | *       | *       |
| Jimma             | 67,016                        | 25,785         | *       | -      | 19,073         | -       | 21,409  |
| West Shewa        | 138,972                       | 68,909         | 8,004   | *      | 28,254         | 9,580   | 23,033  |
| North Shewa       | 70,407                        | 27,474         | *       | *      | 36,747         | 1,552   | 3,928   |
| East Shewa        | 10,725                        | 8,977          | -       | -      | 1,748          | -       | -       |
| Arsi              | 174,335                       | 82,459         | *       | *      | 79,515         | *       | *       |
| West Harerghe     | *                             | *              | -       | -      | *              | -       | *       |
| East Harerghe     | *                             | -              | -       | -      | *              | -       | -       |
| Bale              | 113,444                       | 57,715         | *       | 981    | 34,983         | *       | 19,285  |
| Borena            | 1,690                         | 1,567          | -       | -      | *              | -       | -       |
| South West Shewa  | 17,577                        | 12,372         | *       | *      | 2,932          | -       | *       |
| Guji              | 86,059                        | 34,547         | *       | *      | 31,211         | *       | *       |

TABLE 3-10 CONT'D

| Geographic Area         | HORSES AGED 3 YEARS AND OLDER |                |         |       |                |         |        |
|-------------------------|-------------------------------|----------------|---------|-------|----------------|---------|--------|
|                         | Total                         | MALE           |         |       | FEMALE         |         |        |
|                         |                               | Transportation | Draught | Other | Transportation | Draught | Other  |
| <b>Somale</b>           | -                             | -              | -       | -     | -              | -       | -      |
| Shinele                 | -                             | -              | -       | -     | -              | -       | -      |
| Jijiga                  | -                             | -              | -       | -     | -              | -       | -      |
| Liben                   | -                             | -              | -       | -     | -              | -       | -      |
| <b>Benshangul-Gumuz</b> | *                             | *              | -       | -     | *              | -       | -      |
| Metekel                 | *                             | *              | -       | -     | *              | -       | -      |
| Asosa                   | -                             | -              | -       | -     | -              | -       | -      |
| Kemeshi                 | -                             | -              | -       | -     | -              | -       | -      |
| <b>SNNP</b>             | 247,438                       | 109,478        | 6,392   | 4,684 | 77,852         | 10,282  | 38,750 |
| Gurage                  | 40,803                        | 12,660         | -       | *     | 17,671         | *       | 9,771  |
| Hadiya                  | 15,759                        | 6,684          | *       | *     | 4,218          | *       | 710    |
| Kembata Tembaro         | 6,360                         | 2,380          | *       | *     | *              | *       | *      |
| Sidama                  | 54,684                        | 26,801         | *       | *     | 21,369         | -       | *      |
| Gedio                   | 20,754                        | 11,634         | *       | -     | 4,729          | *       | *      |
| Wolayita                | *                             | *              | -       | -     | -              | -       | -      |
| South Omo               | 8,059                         | 3,479          | *       | *     | 3,870          | *       | -      |
| Shaka                   | 3,201                         | 2,445          | *       | -     | -              | -       | *      |
| Kaffa                   | 43,667                        | 24,760         | *       | *     | 6,666          | -       | 11,368 |
| Gamo Gofa               | 20,818                        | 3,396          | *       | *     | 5,970          | *       | *      |
| Bench Maji              | 11,230                        | 4,825          | *       | *     | 5,965          | *       | -      |
| Yem Sp. Wereda          | 388                           | 115            | *       | -     | 226            | -       | -      |
| Amaro Sp. Wereda        | 2,545                         | 1,451          | -       | -     | 686            | -       | 408    |
| Burji Sp. Wereda        | -                             | -              | -       | -     | -              | -       | -      |
| Konso Sp. Wereda        | -                             | -              | -       | -     | -              | -       | -      |
| Derashe Sp. Wereda      | *                             | *              | -       | -     | *              | *       | -      |
| Dawro                   | 4,395                         | 1,444          | -       | -     | 1,643          | -       | 1,308  |
| Basketo Sp. Wereda      | 275                           | 122            | 89      | -     | 64             | -       | -      |
| Konta Sp. Wereda        | 667                           | 379            | -       | -     | *              | -       | *      |
| Silte                   | 11,521                        | 5,327          | -       | *     | 1,980          | *       | 3,710  |
| Alaba Sp. Wereda        | 1,914                         | 1,264          | -       | -     | 544            | *       | -      |
| <b>Harari</b>           | -                             | -              | -       | -     | -              | -       | -      |
| Hundene                 | -                             | -              | -       | -     | -              | -       | -      |
| <b>Addis Ababa</b>      | 408                           | 378            | *       | -     | *              | *       | -      |
| Zone 3                  | 258                           | 238            | -       | -     | *              | *       | -      |
| Zone 6                  | 149                           | 140            | *       | -     | -              | -       | -      |
| <b>Dire Dawa</b>        | -                             | -              | -       | -     | -              | -       | -      |

TABLE 3-11: DONKEYS AGED 3 YEARS AND OLDER BY SEX, PURPOSE, ZONE, AND REGION

| Geographic Area   | DONKEYS AGED 3 YEARS AND OLDER |                |         |        |                |         |        |
|-------------------|--------------------------------|----------------|---------|--------|----------------|---------|--------|
|                   | TOTAL                          | MALE           |         |        | FEMALE         |         |        |
|                   |                                | Transportation | Draught | Other  | Transportation | Draught | Other  |
| <b>Ethiopia</b>   | 3,272,653                      | 1,130,335      | 284,717 | 35,035 | 1,372,064      | 358,267 | 92,235 |
| <b>Tigray</b>     | 307,303                        | 119,533        | 40,082  | *      | 96,228         | 46,883  | 3,127  |
| North West Tigray | 50,245                         | 14,638         | 7,016   | -      | 20,316         | 7,853   | *      |
| Central Tigray    | 79,533                         | 29,187         | 5,898   | *      | 33,692         | 9,723   | *      |
| Eastern Tigray    | 54,563                         | 9,934          | 13,840  | *      | 14,075         | 15,242  | 1,368  |
| Southern Tigray   | 93,668                         | 45,080         | 10,816  | *      | 23,472         | 12,677  | *      |
| Western Tigray    | 29,293                         | 20,695         | 2,513   | -      | 4,673          | *       | *      |
| <b>Afar</b>       | 10,439                         | 5,082          | *       | -      | 4,753          | -       | *      |
| Zone 1            | *                              | *              | -       | -      | *              | -       | -      |
| Zone 3            | 8,518                          | 3,999          | *       | -      | 3,916          | -       | *      |
| <b>Amhara</b>     | 1,093,441                      | 291,035        | 94,643  | 8,632  | 443,746        | 199,408 | 55,977 |
| North Gonder      | 152,170                        | 59,667         | 11,040  | *      | 64,535         | 12,432  | *      |
| South Gonder      | 118,516                        | 24,337         | *       | *      | 71,126         | 9,067   | 9,646  |
| North Wolo        | 103,232                        | 19,093         | 16,529  | *      | 25,556         | 36,804  | 4,392  |
| South Wolo        | 202,386                        | 54,439         | 16,510  | *      | 72,096         | 30,280  | 27,169 |
| North Shewa       | 203,042                        | 82,082         | *       | *      | 91,062         | 16,283  | 3,571  |
| East Gojam        | 124,539                        | 18,313         | 19,639  | *      | 34,143         | 47,153  | *      |
| West Gojam        | 100,160                        | 12,306         | 10,718  | *      | 42,495         | 33,307  | *      |
| Waghamera         | 35,835                         | 10,928         | 6,054   | -      | 10,905         | 7,711   | *      |
| Awi               | 33,521                         | 5,589          | *       | *      | 18,926         | 5,230   | 1,608  |
| Oromia            | 20,040                         | 4,281          | *       | *      | 12,903         | *       | *      |
| <b>Oromia</b>     | 1,485,707                      | 563,913        | 123,632 | 12,439 | 662,436        | 100,876 | 22,411 |
| West Wellega      | 89,983                         | 38,722         | *       | *      | 39,442         | *       | -      |
| East Wellega      | 81,313                         | 28,000         | 3,502   | *      | 41,268         | *       | *      |
| Illubabor         | 11,068                         | 4,845          | *       | *      | 4,116          | *       | *      |
| Jimma             | 43,466                         | 21,981         | *       | *      | 16,457         | *       | *      |
| West Shewa        | 91,084                         | 32,362         | 9,104   | *      | 37,413         | 10,992  | *      |
| North Shewa       | 125,455                        | 27,694         | 17,511  | *      | 49,837         | 26,028  | *      |
| East Shewa        | 234,115                        | 89,086         | 12,044  | -      | 118,928        | 14,057  | -      |
| Arsi              | 230,877                        | 88,691         | *       | *      | 129,245        | *       | 3,961  |
| West Harerghe     | 119,090                        | 50,621         | 9,694   | -      | 49,323         | 8,481   | 971    |
| East Harerghe     | 135,459                        | 45,602         | 38,621  | *      | 33,091         | 11,651  | *      |
| Bale              | 150,198                        | 71,356         | *       | *      | 71,613         | *       | 3,382  |
| Borena            | 51,462                         | 20,767         | *       | *      | 26,378         | *       | *      |
| South West Shewa  | 88,720                         | 30,177         | 11,723  | *      | 30,460         | 16,082  | -      |
| Guji              | 33,419                         | 14,010         | *       | *      | 14,865         | *       | *      |

TABLE 3-11 CONT'D

| Geographic Area         | DONKEYS AGED 3 YEARS AND OLDER |                |         |       |                |         |       |
|-------------------------|--------------------------------|----------------|---------|-------|----------------|---------|-------|
|                         | TOTAL                          | MALE           |         |       | FEMALE         |         |       |
|                         |                                | Transportation | Draught | Other | Transportation | Draught | Other |
| <b>Somale</b>           | 69,804                         | 30,838         | *       | *     | 30,252         | *       | *     |
| Shinele                 | 2,169                          | 949            | -       | 8     | 1,154          | 45      | 13    |
| Jijiga                  | 49,086                         | 21,199         | *       | *     | 22,327         | *       | *     |
| Liben                   | 18,548                         | 8,689          | *       | *     | 6,770          | *       | *     |
| <b>Benshangul-Gumuz</b> | 32,799                         | 10,344         | 11,119  | 621   | 7,937          | 1,703   | 1,075 |
| Metekel                 | 14,956                         | 2,518          | 9,734   | *     | *              | 1,178   | -     |
| Asosa                   | 13,692                         | 5,722          | *       | *     | 6,063          | 448     | *     |
| Kemeshi                 | 4,152                          | 2,104          | 725     | 449   | 448            | *       | 349   |
| <b>SNNP</b>             | 253,546                        | 99,592         | 10,348  | 9,905 | 119,396        | 7,127   | 7,178 |
| Gurage                  | 33,656                         | 18,014         | -       | -     | 15,202         | -       | *     |
| Hadiya                  | 35,549                         | 7,639          | -       | *     | 25,440         | *       | *     |
| Kembata Tembaro         | 19,714                         | 14,786         | -       | *     | 3,618          | -       | *     |
| Sidama                  | 36,562                         | 18,735         | -       | *     | 16,745         | *       | -     |
| Gedio                   | 2,057                          | 1,755          | *       | -     | *              | -       | -     |
| Wolayita                | 31,268                         | 12,981         | *       | 7,911 | *              | *       | 4,585 |
| South Omo               | 4,468                          | *              | *       | -     | *              | *       | -     |
| Shaka                   | 1,192                          | 1,154          | *       | -     | -              | -       | -     |
| Kaffa                   | *                              | *              | -       | -     | *              | -       | -     |
| Gamo Gofa               | 9,773                          | 4,888          | 2,525   | -     | *              | *       | -     |
| Bench Maji              | *                              | *              | -       | -     | *              | -       | -     |
| Yem Sp. Wereda          | 2,284                          | 893            | *       | -     | 989            | *       | *     |
| Amaro Sp. Wereda        | 972                            | *              | *       | -     | 180            | -       | -     |
| Burji Sp. Wereda        | 2,876                          | 1,155          | 110     | 284   | 1,167          | 148     | *     |
| Konso Sp. Wereda        | 2,975                          | 238            | 909     | -     | *              | 1,550   | -     |
| Derashe Sp. Wereda      | 7,517                          | *              | 5,503   | *     | *              | 1,704   | -     |
| Dawro                   | 2,870                          | 1,526          | -       | *     | 1,031          | -       | *     |
| Basketo Sp. Wereda      | *                              | *              | *       | -     | -              | -       | -     |
| Konta Sp. Wereda        | *                              | *              | -       | -     | -              | -       | -     |
| Silte                   | 45,306                         | 11,672         | -       | -     | 33,634         | -       | -     |
| Alaba Sp. Wereda        | 13,419                         | 1,689          | -       | -     | 11,365         | *       | *     |
| <b>Harari</b>           | 5,916                          | 2,973          | 442     | *     | 2,048          | 357     | *     |
| Hundene                 | 5,916                          | 2,973          | 442     | *     | 2,048          | 357     | *     |
| <b>Addis Ababa</b>      | 5,683                          | 4,290          | 643     | -     | 589            | 161     | -     |
| Zone 3                  | 3,687                          | 3,022          | 506     | -     | 159            | -       | -     |
| Zone 6                  | 1,997                          | 1,269          | 137     | -     | 430            | 161     | -     |
| <b>Dire Dawa</b>        | 8,016                          | 2,735          | 332     | -     | 4,680          | *       | -     |

TABLE 3-12: MULES AGED 3 YEARS AND OLDER BY SEX, PURPOSE, ZONE, AND REGION

| Geographic Area   | MULES AGED 3 YEARS AND OLDER |                |         |       |                |         |       |
|-------------------|------------------------------|----------------|---------|-------|----------------|---------|-------|
|                   | TOTAL                        | MALE           |         |       | FEMALE         |         |       |
|                   |                              | Transportation | Draught | Other | Transportation | Draught | Other |
| <b>Ethiopia</b>   | 299,452                      | 131,923        | 8,690   | 4,478 | 142,956        | 8,327   | 3,078 |
| <b>Tigray</b>     | 7,826                        | 3,778          | *       | -     | 3,719          | -       | -     |
| North West Tigray | *                            | *              | -       | -     | *              | -       | -     |
| Central Tigray    | 2,257                        | 1,428          | -       | -     | 829            | -       | -     |
| Eastern Tigray    | *                            | *              | *       | -     | 757            | -       | -     |
| Southern Tigray   | 2,948                        | *              | *       | -     | 1,381          | -       | -     |
| Western Tigray    | 926                          | 685            | -       | -     | *              | -       | -     |
| <b>Afar</b>       | 150                          | *              | -       | -     | *              | -       | -     |
| Zone 1            | -                            | -              | -       | -     | -              | -       | -     |
| Zone 3            | 150                          | *              | -       | -     | *              | -       | -     |
| <b>Amhara</b>     | 87,349                       | 29,598         | 6,626   | 2,595 | 40,219         | 6,431   | 1,879 |
| North Gonder      | 12,062                       | 5,656          | *       | -     | 5,391          | *       | -     |
| South Gonder      | 14,127                       | 4,057          | *       | 1,906 | 2,737          | *       | 1,717 |
| North Wolo        | 12,341                       | *              | *       | -     | 7,394          | 1,858   | -     |
| South Wolo        | 17,134                       | 4,843          | -       | -     | 11,965         | *       | -     |
| North Shewa       | 7,806                        | 3,938          | -       | *     | 3,595          | -       | -     |
| East Gojam        | 9,189                        | 3,121          | *       | -     | 4,373          | *       | -     |
| West Gojam        | 9,072                        | 2,752          | *       | *     | 3,158          | *       | -     |
| Waghamera         | 1,772                        | *              | *       | -     | 788            | *       | -     |
| Awi               | 3,350                        | 1,762          | *       | *     | 620            | *       | *     |
| Oromia            | *                            | *              | -       | -     | *              | -       | -     |
| <b>Oromia</b>     | 148,317                      | 66,893         | *       | *     | 77,771         | *       | *     |
| West Wellega      | 9,024                        | 3,439          | *       | -     | 4,672          | *       | -     |
| East Wellega      | 9,899                        | 5,045          | -       | -     | 4,664          | -       | *     |
| Illubabor         | 9,341                        | 3,157          | -       | -     | 6,184          | -       | -     |
| Jimma             | 24,448                       | 4,548          | -       | -     | 19,502         | -       | *     |
| West Shewa        | 8,011                        | 3,765          | -       | *     | 3,498          | *       | -     |
| North Shewa       | 4,339                        | 1,255          | -       | -     | 3,084          | -       | -     |
| East Shewa        | 7,835                        | 7,009          | -       | -     | 826            | -       | -     |
| Arsi              | 27,795                       | 14,441         | -       | -     | 13,354         | -       | -     |
| West Harerghe     | 2,299                        | *              | -       | -     | *              | -       | -     |
| East Harerghe     | *                            | -              | -       | -     | *              | -       | -     |
| Bale              | 19,069                       | 10,656         | -       | -     | 8,412          | -       | -     |
| Borena            | 4,690                        | 2,750          | -       | *     | 1,583          | -       | -     |
| South West Shewa  | 12,458                       | 5,290          | *       | -     | 6,575          | *       | -     |
| Guji              | 8,829                        | 4,004          | *       | -     | 4,369          | -       | -     |

TABLE 3-12 CONT'D

| Geographic Area         | MULES AGED 3 YEARS AND OLDER |                |         |       |                |         |       |
|-------------------------|------------------------------|----------------|---------|-------|----------------|---------|-------|
|                         | TOTAL                        | MALE           |         |       | FEMALE         |         |       |
|                         |                              | Transportation | Draught | Other | Transportation | Draught | Other |
| <b>Somale</b>           | -                            | -              | -       | -     | -              | -       | -     |
| Shinele                 | -                            | -              | -       | -     | -              | -       | -     |
| Jijiga                  | -                            | -              | -       | -     | -              | -       | -     |
| Liben                   | -                            | -              | -       | -     | -              | -       | -     |
| <b>Benshangul-Gumuz</b> | 1,473                        | 473            | *       | -     | 872            | *       | -     |
| Metekel                 | 1,048                        | 318            | *       | -     | 602            | *       | -     |
| Asosa                   | *                            | *              | -       | -     | *              | -       | -     |
| Kemeshi                 | 210                          | *              | -       | -     | 120            | -       | -     |
| <b>SNNP</b>             | 53,972                       | 30,811         | 596     | 1,234 | 20,267         | 453     | *     |
| Gurage                  | 1,900                        | *              | -       | -     | 1,526          | -       | *     |
| Hadiya                  | 9,345                        | 5,405          | -       | *     | 3,558          | -       | -     |
| Kembata Tembaro         | 1,588                        | 1,055          | *       | -     | 430            | -       | -     |
| Sidama                  | *                            | *              | -       | -     | *              | -       | -     |
| Gedio                   | 4,454                        | 2,257          | -       | *     | 2,020          | -       | -     |
| Wolayita                | *                            | *              | -       | -     | 902            | -       | -     |
| South Omo               | 2,507                        | 1,135          | *       | -     | 1,055          | *       | *     |
| Shaka                   | *                            | *              | -       | -     | *              | -       | -     |
| Kaffa                   | 12,357                       | 9,166          | *       | *     | 2,100          | *       | *     |
| Gamo Gofa               | 4,617                        | 2,671          | -       | -     | *              | -       | -     |
| Bench Maji              | 2,070                        | 845            | -       | -     | *              | -       | -     |
| Yem Sp. Wereda          | 113                          | *              | -       | -     | 90             | -       | -     |
| Amaro Sp. Wereda        | 1,182                        | 915            | -       | -     | 267            | -       | -     |
| Burji Sp. Wereda        | *                            | -              | -       | -     | *              | -       | -     |
| Konso Sp. Wereda        | -                            | -              | -       | -     | -              | -       | -     |
| Derashe Sp. Wereda      | *                            | *              | *       | -     | *              | *       | -     |
| Dawro                   | 3,700                        | 2,289          | -       | *     | 1,334          | -       | -     |
| Basketo Sp. Wereda      | 497                          | 145            | 140     | -     | 120            | 92      | -     |
| Konta Sp. Wereda        | 582                          | 467            | -       | *     | *              | -       | -     |
| Silte                   | 4,216                        | 2,423          | -       | *     | 1,652          | -       | -     |
| Alaba Sp. Wereda        | 513                          | 208            | -       | -     | 305            | -       | -     |
| <b>Harari</b>           | *                            | *              | -       | -     | -              | -       | -     |
| Hundene                 | *                            | *              | -       | -     | -              | -       | -     |
| <b>Addis Ababa</b>      | 343                          | 282            | *       | -     | *              | *       | -     |
| Zone 3                  | 137                          | 129            | -       | -     | *              | -       | -     |
| Zone 6                  | 206                          | 153            | *       | -     | *              | *       | -     |
| <b>Dire Dawa</b>        | -                            | -              | -       | -     | -              | -       | -     |

TABLE 3-13: CAMELS AGED 4 YEARS AND OLDER BY SEX, PURPOSE, ZONE, AND REGION

| Geographic Area   | CAMELS AGED 4 YEARS AND OLDER |                |       |         |        |                |       |         |         |        |
|-------------------|-------------------------------|----------------|-------|---------|--------|----------------|-------|---------|---------|--------|
|                   | TOTAL                         | MALE           |       |         |        | FEMALE         |       |         |         |        |
|                   |                               | Transportation | Meat  | Draught | Other  | Transportation | Meat  | Draught | Milk    | Others |
| <b>Ethiopia</b>   | 317,466                       | 97,147         | 3,959 | 3,642   | 16,231 | 10,152         | 1,297 | *       | 129,583 | 54,232 |
| <b>Tigray</b>     | 30,777                        | 26,867         | *     | *       | *      | -              | -     | -       | -       | -      |
| North West Tigray | 4,427                         | 4,427          | -     | -       | -      | -              | -     | -       | -       | -      |
| Central Tigray    | 6,469                         | 4,854          | -     | *       | *      | -              | -     | -       | -       | -      |
| Eastern Tigray    | *                             | *              | -     | -       | -      | -              | -     | -       | -       | -      |
| Southern Tigray   | 16,046                        | 14,263         | *     | -       | *      | -              | -     | -       | -       | -      |
| Western Tigray    | 1,963                         | *              | -     | *       | *      | -              | -     | -       | -       | -      |
| <b>Afar</b>       | 79,534                        | 14,091         | 1,983 | *       | 1,589  | 1,893          | *     | *       | 42,286  | 16,569 |
| Zone 1            | *                             | 6,226          | *     | -       | *      | *              | *     | -       | *       | *      |
| Zone 3            | 65,903                        | 7,865          | *     | *       | *      | *              | *     | *       | 38,781  | 14,670 |
| <b>Amhara</b>     | 10,917                        | 8,678          | -     | *       | *      | *              | -     | *       | -       | *      |
| North Gonder      | *                             | *              | -     | -       | -      | -              | -     | -       | -       | -      |
| South Gonder      | -                             | -              | -     | -       | -      | -              | -     | -       | -       | -      |
| North Wolo        | 2,752                         | 2,752          | -     | -       | -      | -              | -     | -       | -       | -      |
| South Wolo        | *                             | *              | -     | -       | -      | *              | -     | -       | -       | -      |
| North Shewa       | *                             | *              | -     | -       | -      | -              | -     | -       | -       | -      |
| East Gojam        | -                             | -              | -     | -       | -      | -              | -     | -       | -       | -      |
| West Gojam        | *                             | -              | -     | -       | -      | *              | -     | -       | -       | -      |
| Waghamera         | -                             | -              | -     | -       | -      | -              | -     | -       | -       | -      |
| Awi               | -                             | -              | -     | -       | -      | -              | -     | -       | -       | -      |
| Oromia            | 4,219                         | 2,769          | -     | *       | *      | -              | -     | *       | -       | *      |
| <b>Oromia</b>     | 84,764                        | 15,788         | *     | *       | 2,986  | 2,619          | *     | -       | 45,178  | *      |
| West Wellega      | -                             | -              | -     | -       | -      | -              | -     | -       | -       | -      |
| East Wellega      | -                             | -              | -     | -       | -      | -              | -     | -       | -       | -      |
| Illubabor         | -                             | -              | -     | -       | -      | -              | -     | -       | -       | -      |
| Jimma             | -                             | -              | -     | -       | -      | -              | -     | -       | -       | -      |
| West Shewa        | -                             | -              | -     | -       | -      | -              | -     | -       | -       | -      |
| North Shewa       | -                             | -              | -     | -       | -      | -              | -     | -       | -       | -      |
| East Shewa        | *                             | *              | -     | -       | *      | -              | -     | -       | *       | *      |
| Arsi              | *                             | -              | -     | *       | -      | -              | -     | -       | *       | *      |
| West Harerghe     | 11,000                        | *              | -     | *       | *      | *              | -     | -       | *       | *      |
| East Harerghe     | *                             | *              | *     | *       | -      | -              | -     | -       | -       | *      |
| Bale              | 14,320                        | 4,808          | -     | -       | *      | -              | -     | -       | 8,673   | *      |
| Borena            | 26,743                        | 3,748          | *     | -       | *      | *              | *     | -       | 18,843  | *      |
| South West Shewa  | -                             | -              | -     | -       | -      | -              | -     | -       | -       | -      |
| Guji              | *                             | *              | -     | -       | *      | *              | -     | -       | *       | *      |

TABLE 3-13 CONT'D

| Geographic Area         | CAMELS AGED 4 YEARS AND OLDER |                |      |         |       |                |      |         |        |        |
|-------------------------|-------------------------------|----------------|------|---------|-------|----------------|------|---------|--------|--------|
|                         | TOTAL                         | MALE           |      |         |       | FEMALE         |      |         |        |        |
|                         |                               | Transportation | Meat | Draught | Other | Transportation | Meat | Draught | Milk   | Others |
| <b>Somale</b>           | 105,367                       | 29,544         | 756  | *       | 8,847 | 4,610          | *    | *       | 39,557 | 20,609 |
| Shinele                 | 3,671                         | 1,551          | -    | -       | 17    | 305            | 10   | 30      | 1,153  | 606    |
| Jijiga                  | 43,425                        | 21,058         | *    | *       | *     | 3,212          | -    | *       | 16,685 | *      |
| Liben                   | 58,270                        | 6,936          | 679  | -       | 8,256 | 1,093          | *    | -       | 21,719 | 19,480 |
| <b>Benshangul-Gumuz</b> | -                             | -              | -    | -       | -     | -              | -    | -       | -      | -      |
| Metekel                 | -                             | -              | -    | -       | -     | -              | -    | -       | -      | -      |
| Asosa                   | -                             | -              | -    | -       | -     | -              | -    | -       | -      | -      |
| Kemeshi                 | -                             | -              | -    | -       | -     | -              | -    | -       | -      | -      |
| <b>SNNP</b>             | *                             | *              | -    | *       | *     | -              | -    | *       | -      | -      |
| Gurage                  | -                             | -              | -    | -       | -     | -              | -    | -       | -      | -      |
| Hadiya                  | -                             | -              | -    | -       | -     | -              | -    | -       | -      | -      |
| Kembata Tembaro         | -                             | -              | -    | -       | -     | -              | -    | -       | -      | -      |
| Sidama                  | *                             | *              | -    | -       | -     | -              | -    | -       | -      | -      |
| Gedio                   | -                             | -              | -    | -       | -     | -              | -    | -       | -      | -      |
| Wolayita                | -                             | -              | -    | -       | -     | -              | -    | -       | -      | -      |
| South Omo               | -                             | -              | -    | -       | -     | -              | -    | -       | -      | -      |
| Shaka                   | -                             | -              | -    | -       | -     | -              | -    | -       | -      | -      |
| Kaffa                   | -                             | -              | -    | -       | -     | -              | -    | -       | -      | -      |
| Gamo Gofa               | -                             | -              | -    | -       | -     | -              | -    | -       | -      | -      |
| Bench Maji              | -                             | -              | -    | -       | -     | -              | -    | -       | -      | -      |
| Yem Sp. Wereda          | -                             | -              | -    | -       | -     | -              | -    | -       | -      | -      |
| Amaro Sp. Wereda        | -                             | -              | -    | -       | -     | -              | -    | -       | -      | -      |
| Burji Sp. Wereda        | -                             | -              | -    | -       | -     | -              | -    | -       | -      | -      |
| Konso Sp. Wereda        | -                             | -              | -    | -       | -     | -              | -    | -       | -      | -      |
| Derashe Sp. Wereda      | -                             | -              | -    | -       | -     | -              | -    | -       | -      | -      |
| Dawro                   | -                             | -              | -    | -       | -     | -              | -    | -       | -      | -      |
| Basketo Sp. Wereda      | -                             | -              | -    | -       | -     | -              | -    | -       | -      | -      |
| Konta Sp. Wereda        | *                             | -              | -    | -       | *     | -              | -    | -       | -      | -      |
| Silte                   | *                             | -              | -    | *       | -     | -              | -    | *       | -      | -      |
| Alaba Sp. Wereda        | -                             | -              | -    | -       | -     | -              | -    | -       | -      | -      |
| <b>Harari</b>           | *                             | *              | *    | -       | -     | -              | -    | -       | *      | -      |
| Hundene                 | *                             | *              | *    | -       | -     | -              | -    | -       | *      | -      |
| <b>Addis Ababa</b>      | -                             | -              | -    | -       | -     | -              | -    | -       | -      | -      |
| Zone 3                  | -                             | -              | -    | -       | -     | -              | -    | -       | -      | -      |
| Zone 6                  | -                             | -              | -    | -       | -     | -              | -    | -       | -      | -      |
| <b>Dire Dawa</b>        | 4,086                         | 1,759          | *    | *       | -     | 240            | -    | -       | 1,604  | *      |



TABLE 3-14: NUMBER OF CATTLE BY SEX, BREED, ZONE, AND REGION

| Geographic Area   | Total      | MALE       |         |        | FEMALE     |         |        |
|-------------------|------------|------------|---------|--------|------------|---------|--------|
|                   |            | Indigenous | Hybrid  | Exotic | Indigenous | Hybrid  | Exotic |
| <b>Ethiopia</b>   | 40,281,110 | 17,934,168 | 102,828 | 8,662  | 22,058,289 | 160,184 | 16,978 |
| <b>Tigray</b>     | 2,622,166  | 1,286,206  | 2,861   | *      | 1,325,950  | 5,954   | *      |
| North West Tigray | 697,959    | 314,759    | *       | *      | 379,871    | *       | -      |
| Central Tigray    | 592,961    | 327,968    | *       | -      | 264,829    | -       | -      |
| Eastern Tigray    | 291,405    | 144,036    | *       | *      | 143,114    | 2,329   | *      |
| Southern Tigray   | 616,556    | 319,476    | *       | -      | 295,035    | 1,600   | -      |
| Western Tigray    | 423,285    | 179,967    | *       | *      | 243,101    | *       | -      |
| <b>Afar</b>       | 317,108    | 71,596     | -       | -      | 245,512    | -       | -      |
| Zone 1            | 119,954    | 22,282     | -       | -      | 97,672     | -       | -      |
| Zone 3            | 197,154    | 49,314     | -       | -      | 147,840    | -       | -      |
| <b>Amhara</b>     | 10,077,301 | 5,163,958  | 22,692  | *      | 4,862,020  | 25,513  | *      |
| North Gonder      | 1,738,274  | 819,691    | *       | -      | 910,292    | *       | *      |
| South Gonder      | 1,209,617  | 628,327    | 2,303   | -      | 576,575    | 2,412   | -      |
| North Wolo        | 808,510    | 403,065    | *       | -      | 404,287    | *       | -      |
| South Wolo        | 1,404,928  | 732,541    | *       | *      | 670,115    | *       | -      |
| North Shewa       | 1,115,344  | 619,800    | 13,635  | *      | 463,996    | 15,783  | *      |
| East Gojam        | 1,194,047  | 649,749    | *       | -      | 542,124    | *       | *      |
| West Gojam        | 1,373,260  | 743,783    | *       | -      | 629,205    | -       | -      |
| Waghamera         | 249,217    | 120,488    | -       | -      | 128,729    | -       | -      |
| Awi               | 708,180    | 325,208    | *       | -      | 382,077    | *       | -      |
| Oromia            | 275,925    | 121,306    | -       | -      | 154,619    | -       | -      |
| <b>Oromia</b>     | 18,247,970 | 8,132,202  | 68,247  | 5,299  | 9,929,017  | 103,101 | 10,105 |
| West Wellega      | 1,103,436  | 519,177    | -       | -      | 584,259    | -       | -      |
| East Wellega      | 1,419,897  | 668,298    | *       | -      | 751,400    | -       | -      |
| Illubabor         | 757,851    | 358,053    | -       | *      | 399,632    | -       | -      |
| Jimma             | 1,856,632  | 875,090    | -       | -      | 980,793    | *       | -      |
| West Shewa        | 1,728,925  | 822,797    | *       | -      | 890,597    | *       | -      |
| North Shewa       | 1,176,407  | 545,269    | 24,772  | 2,700  | 567,339    | 32,502  | 3,826  |
| East Shewa        | 1,402,079  | 684,833    | *       | *      | 714,309    | *       | -      |
| Arsi              | 2,443,210  | 1,116,284  | 33,553  | *      | 1,234,309  | 50,990  | 6,010  |
| West Harerghe     | 844,219    | 377,789    | -       | -      | 465,435    | *       | -      |
| East Harerghe     | 927,256    | 341,600    | *       | -      | 583,917    | *       | -      |
| Bale              | 1,732,326  | 689,689    | *       | -      | 1,035,978  | 4,199   | -      |
| Borena            | 1,170,157  | 402,198    | *       | -      | 767,818    | *       | -      |
| South West Shewa  | 740,129    | 398,412    | *       | *      | 340,729    | *       | *      |
| Guji              | 945,445    | 332,713    | -       | -      | 612,503    | *       | -      |

TABLE 3-14 CONT'D

| Geographic Area         | Total     | MALE       |        |        | FEMALE     |        |        |
|-------------------------|-----------|------------|--------|--------|------------|--------|--------|
|                         |           | Indigenous | Hybrid | Exotic | Indigenous | Hybrid | Exotic |
| <b>Somale</b>           | 520,902   | 174,075    | -      | -      | 346,827    | -      | -      |
| Shinele                 | 12,322    | 3,457      | -      | -      | 8,866      | -      | -      |
| Jijiga                  | 370,063   | 130,615    | -      | -      | 239,448    | -      | -      |
| Liben                   | 138,517   | 40,004     | -      | -      | 98,514     | -      | -      |
| <b>Benshangul-Gumuz</b> | 350,390   | 158,059    | -      | -      | 192,331    | -      | -      |
| Metekel                 | 240,883   | 108,806    | -      | -      | 132,077    | -      | -      |
| Asosa                   | 68,927    | 31,863     | -      | -      | 37,063     | -      | -      |
| Kemeshi                 | 40,580    | 17,390     | -      | -      | 23,190     | -      | -      |
| <b>SNNP</b>             | 8,043,173 | 2,906,437  | 8,740  | *      | 5,097,343  | 24,812 | 4,036  |
| Gurage                  | 886,657   | 267,243    | *      | -      | 617,671    | *      | -      |
| Hadiya                  | 637,157   | 266,065    | *      | *      | 366,796    | 2,815  | *      |
| Kembata Tembaro         | 289,498   | 103,223    | 2,470  | *      | 168,679    | 12,797 | 2,026  |
| Sidama                  | 1,488,065 | 346,891    | *      | -      | 1,136,907  | 3,876  | -      |
| Gedio                   | 124,734   | 52,259     | -      | -      | 72,359     | -      | *      |
| Wolayita                | 811,119   | 317,485    | *      | *      | 487,679    | *      | *      |
| South Omo               | 481,145   | 182,616    | *      | -      | 296,515    | *      | -      |
| Shaka                   | 83,858    | 32,147     | -      | *      | 51,670     | -      | -      |
| Kaffa                   | 614,605   | 270,657    | *      | -      | 343,797    | -      | -      |
| Gamo Gofa               | 939,980   | 345,180    | *      | -      | 592,523    | *      | *      |
| Bench Maji              | 360,961   | 138,874    | *      | -      | 221,657    | *      | -      |
| Yem Sp. Wereda          | 51,196    | 24,836     | -      | -      | 26,360     | -      | -      |
| Amaro Sp. Wereda        | 95,735    | 42,282     | -      | -      | 53,453     | -      | -      |
| Burji Sp. Wereda        | 32,528    | 17,762     | -      | -      | 14,767     | -      | -      |
| Konso Sp. Wereda        | 89,426    | 43,006     | -      | -      | 46,420     | -      | -      |
| Derashe Sp. Wereda      | 74,677    | 39,668     | -      | -      | 35,008     | -      | -      |
| Dawro                   | 300,702   | 112,160    | -      | -      | 188,542    | -      | -      |
| Basketo Sp. Wereda      | 25,449    | 10,355     | -      | -      | 15,079     | *      | -      |
| Konta Sp. Wereda        | 57,628    | 25,641     | -      | -      | 31,987     | -      | -      |
| Silte                   | 477,158   | 213,072    | -      | -      | 264,086    | -      | -      |
| Alaba Sp. Wereda        | 120,893   | 55,014     | *      | -      | 65,388     | *      | -      |
| <b>Harari</b>           | 37,395    | 13,388     | *      | -      | 23,741     | *      | -      |
| Hundene                 | 37,395    | 13,388     | *      | -      | 23,741     | *      | -      |
| <b>Addis Ababa</b>      | 26,266    | 14,592     | 180    | *      | 10,874     | 597    | *      |
| Zone 3                  | 17,906    | 9,197      | 106    | *      | 8,179      | 401    | *      |
| Zone 6                  | 8,360     | 5,395      | 74     | -      | 2,696      | *      | -      |
| <b>Dire Dawa</b>        | 38,439    | 13,655     | *      | -      | 24,674     | *      | *      |

TABLE 3-15 NUMBERS OF SHEEP BY SEX, BREED, ZONE, AND REGION

| Geographic Area   | Total      | MALE       |        |        | FEMALE     |        |        |
|-------------------|------------|------------|--------|--------|------------|--------|--------|
|                   |            | Indigenous | Hybrid | Exotic | Indigenous | Hybrid | Exotic |
| <b>Ethiopia</b>   | 20,721,562 | 5,327,071  | *      | *      | 15,369,661 | *      | *      |
| <b>Tigray</b>     | 813,546    | 207,452    | *      | *      | 604,970    | *      | -      |
| North West Tigray | 79,000     | 20,826     | -      | -      | 58,174     | -      | -      |
| Central Tigray    | 213,888    | 58,835     | -      | -      | 155,053    | -      | -      |
| Eastern Tigray    | 338,565    | 76,327     | *      | -      | 261,562    | *      | -      |
| Southern Tigray   | 157,611    | 45,419     | *      | *      | 111,743    | -      | -      |
| Western Tigray    | *          | *          | -      | -      | *          | -      | -      |
| <b>Afar</b>       | 156,880    | 39,572     | -      | *      | 117,284    | -      | -      |
| Zone 1            | 47,393     | 11,404     | -      | -      | 35,990     | -      | -      |
| Zone 3            | 109,487    | 28,169     | -      | *      | 81,294     | -      | -      |
| <b>Amhara</b>     | 7,530,518  | 1,915,848  | 1,943  | *      | 5,606,830  | *      | *      |
| North Gonder      | 625,277    | 136,327    | -      | -      | 488,950    | -      | -      |
| South Gonder      | 759,047    | 162,497    | *      | -      | 593,362    | *      | -      |
| North Wolo        | 646,663    | 178,387    | -      | -      | 468,276    | -      | -      |
| South Wolo        | 1,926,023  | 592,740    | *      | *      | 1,330,854  | -      | -      |
| North Shewa       | 1,332,610  | 373,880    | -      | *      | 957,201    | *      | *      |
| East Gojam        | 1,187,431  | 223,659    | *      | -      | 963,499    | -      | -      |
| West Gojam        | 613,609    | 140,673    | -      | -      | 472,935    | -      | -      |
| Waghamera         | 67,728     | 22,123     | -      | -      | 45,606     | -      | -      |
| Awi               | 340,888    | 72,318     | -      | -      | 268,150    | *      | -      |
| Oromia            | 31,241     | 13,243     | -      | -      | 17,998     | -      | -      |
| <b>Oromia</b>     | 8,084,573  | 2,130,038  | *      | *      | 5,939,305  | *      | *      |
| West Wellega      | 419,379    | 117,085    | -      | -      | 302,294    | -      | -      |
| East Wellega      | 410,139    | 105,277    | -      | -      | 304,862    | -      | -      |
| Illubabor         | 353,880    | 87,293     | -      | -      | 266,587    | -      | -      |
| Jimma             | 820,764    | 202,925    | -      | -      | 617,839    | -      | -      |
| West Shewa        | 1,051,199  | 259,405    | -      | -      | 791,793    | -      | -      |
| North Shewa       | 1,097,904  | 294,069    | -      | -      | 803,598    | -      | *      |
| East Shewa        | 389,421    | 99,250     | -      | -      | 290,171    | -      | -      |
| Arsi              | 1,638,457  | 429,611    | *      | -      | 1,194,383  | *      | -      |
| West Harerghe     | 175,205    | 50,326     | -      | -      | 124,879    | -      | -      |
| East Harerghe     | 325,452    | 102,500    | -      | -      | 222,951    | -      | -      |
| Bale              | 717,454    | 175,197    | -      | -      | 542,257    | -      | -      |
| Borena            | 190,731    | 56,075     | -      | -      | 134,657    | -      | -      |
| South West Shewa  | 191,041    | 69,612     | -      | *      | 121,128    | -      | -      |
| Guji              | 303,547    | 81,412     | -      | -      | 221,905    | *      | -      |

TABLE 3-15 CONT'D

| Geographic Area         | Total     | MALE       |        |        | FEMALE     |        |        |
|-------------------------|-----------|------------|--------|--------|------------|--------|--------|
|                         |           | Indigenous | Hybrid | Exotic | Indigenous | Hybrid | Exotic |
| <b>Somale</b>           | 594,289   | 177,475    | -      | -      | 416,814    | -      | -      |
| Shinele                 | 32,502    | 8,486      | -      | -      | 24,016     | -      | -      |
| Jijiga                  | 416,193   | 126,095    | -      | -      | 290,098    | -      | -      |
| Liben                   | 145,594   | 42,894     | -      | -      | 102,700    | -      | -      |
| <b>Benshangul-Gumuz</b> | 68,931    | 20,995     | -      | -      | 47,936     | -      | -      |
| Metekel                 | 42,085    | 12,452     | -      | -      | 29,632     | -      | -      |
| Asosa                   | 13,167    | 4,391      | -      | -      | 8,776      | -      | -      |
| Kemeshi                 | 13,680    | 4,152      | -      | -      | 9,528      | -      | -      |
| <b>SNNP</b>             | 3,403,098 | 815,579    | *      | -      | 2,586,924  | *      | -      |
| Gurage                  | 303,003   | 68,480     | -      | -      | 234,524    | -      | -      |
| Hadiya                  | 237,027   | 53,840     | -      | -      | 183,187    | -      | -      |
| Kembata Tembaro         | 109,121   | 32,443     | -      | -      | 76,678     | -      | -      |
| Sidama                  | 390,097   | 80,484     | -      | -      | 309,614    | -      | -      |
| Gedio                   | 171,268   | 44,704     | -      | -      | 126,565    | -      | -      |
| Wolayita                | 181,084   | 50,815     | -      | -      | 130,269    | -      | -      |
| South Omo               | 353,483   | 97,433     | -      | -      | 256,050    | -      | -      |
| Shaka                   | 49,128    | 13,878     | -      | -      | 35,250     | -      | -      |
| Kaffa                   | 376,268   | 80,379     | -      | -      | 295,888    | -      | -      |
| Gamo Gofa               | 478,036   | 95,423     | *      | -      | 382,019    | *      | -      |
| Bench Maji              | 174,823   | 35,778     | -      | -      | 139,045    | -      | -      |
| Yem Sp. Wereda          | 24,990    | 5,609      | -      | -      | 19,381     | -      | -      |
| Amaro Sp. Wereda        | 50,835    | 12,826     | -      | -      | 38,008     | -      | -      |
| Burji Sp. Wereda        | 3,128     | 837        | -      | -      | 2,290      | -      | -      |
| Konso Sp. Wereda        | 81,837    | 32,971     | -      | -      | 48,866     | -      | -      |
| Derashe Sp. Wereda      | 11,954    | 3,822      | -      | -      | 8,131      | -      | -      |
| Dawro                   | 99,014    | 26,823     | -      | -      | 72,191     | -      | -      |
| Basketo Sp. Wereda      | 13,267    | 2,889      | -      | -      | 10,378     | -      | -      |
| Konta Sp. Wereda        | 16,711    | 6,220      | -      | -      | 10,491     | -      | -      |
| Silte                   | 242,693   | 61,716     | -      | -      | 180,977    | -      | -      |
| Alaba Sp. Wereda        | 35,330    | 8,208      | -      | -      | 27,122     | -      | -      |
| <b>Harari</b>           | 4,501     | 1,438      | -      | -      | 3,048      | -      | *      |
| Hundene                 | 4,501     | 1,438      | -      | -      | 3,048      | -      | *      |
| <b>Addis Ababa</b>      | 11,052    | 2,733      | -      | -      | 8,319      | -      | -      |
| Zone 3                  | 7,916     | 1,974      | -      | -      | 5,942      | -      | -      |
| Zone 6                  | 3,136     | 759        | -      | -      | 2,377      | -      | -      |
| <b>Dire Dawa</b>        | 54,173    | 15,942     | -      | -      | 38,232     | -      | -      |

TABLE 3-16: NUMBER OF GOATS BY SEX, BREED, ZONE, AND REGION

| Geographic Area   | Total      | MALE       |        |        | FEMALE     |        |        |
|-------------------|------------|------------|--------|--------|------------|--------|--------|
|                   |            | Indigenous | Hybrid | Exotic | Indigenous | Hybrid | Exotic |
| <b>Ethiopia</b>   | 16,248,899 | 4,900,755  | *      | *      | 11,344,646 | 1,248  | *      |
| <b>Tigray</b>     | 2,399,808  | 674,437    | *      | *      | 1,723,877  | *      | *      |
| North West Tigray | 824,966    | 217,470    | *      | -      | 606,849    | *      | -      |
| Central Tigray    | 844,113    | 256,651    | -      | -      | 587,462    | -      | -      |
| Eastern Tigray    | 169,232    | 42,262     | -      | *      | 126,123    | -      | *      |
| Southern Tigray   | 306,510    | 82,606     | -      | -      | 223,905    | -      | -      |
| Western Tigray    | 254,986    | 75,449     | -      | -      | 179,537    | -      | -      |
| <b>Afar</b>       | 411,047    | 101,785    | -      | -      | 309,263    | -      | -      |
| Zone 1            | 122,518    | 25,714     | -      | -      | 96,804     | -      | -      |
| Zone 3            | 288,529    | 76,071     | -      | -      | 212,458    | -      | -      |
| <b>Amhara</b>     | 4,856,472  | 1,572,646  | *      | -      | 3,282,489  | *      | -      |
| North Gonder      | 1,114,883  | 323,704    | *      | -      | 789,841    | *      | -      |
| South Gonder      | 523,517    | 162,086    | -      | -      | 361,431    | -      | -      |
| North Wolo        | 619,610    | 190,912    | -      | -      | 428,697    | -      | -      |
| South Wolo        | 770,052    | 273,781    | -      | -      | 496,272    | -      | -      |
| North Shewa       | 662,213    | 282,386    | -      | -      | 379,828    | -      | -      |
| East Gojam        | 245,314    | 67,745     | -      | -      | 177,569    | -      | -      |
| West Gojam        | 274,139    | 83,875     | -      | -      | 190,264    | -      | -      |
| Waghamera         | 367,523    | 102,966    | -      | -      | 264,557    | -      | -      |
| Awi               | 130,485    | 42,414     | -      | -      | 88,071     | -      | -      |
| Oromia            | 148,737    | 42,778     | -      | -      | 105,958    | -      | -      |
| <b>Oromia</b>     | 5,383,640  | 1,608,571  | -      | -      | 3,774,615  | *      | *      |
| West Wellega      | 112,394    | 31,509     | -      | -      | 80,885     | -      | -      |
| East Wellega      | 179,238    | 54,109     | -      | -      | 125,129    | -      | -      |
| Illubabor         | 100,740    | 31,595     | -      | -      | 69,145     | -      | -      |
| Jimma             | 240,997    | 65,371     | -      | -      | 175,626    | -      | -      |
| West Shewa        | 236,991    | 70,555     | -      | -      | 166,436    | -      | -      |
| North Shewa       | 176,218    | 56,465     | -      | -      | 119,753    | -      | -      |
| East Shewa        | 588,092    | 155,232    | -      | -      | 432,861    | -      | -      |
| Arsi              | 448,849    | 133,709    | -      | -      | 315,140    | -      | -      |
| West Harerghe     | 741,514    | 244,054    | -      | -      | 497,460    | -      | -      |
| East Harerghe     | 889,342    | 304,395    | -      | -      | 584,636    | *      | -      |
| Bale              | 626,174    | 164,049    | -      | -      | 462,125    | -      | -      |
| Borena            | 595,738    | 159,546    | -      | -      | 436,192    | -      | -      |
| South West Shewa  | 183,195    | 60,907     | -      | -      | 122,145    | -      | *      |
| Guji              | 264,156    | 77,074     | -      | -      | 187,082    | -      | -      |

TABLE 3-16 CONT'D

| Geographic Area         | Total     | MALE       |        |        | FEMALE     |        |        |
|-------------------------|-----------|------------|--------|--------|------------|--------|--------|
|                         |           | Indigenous | Hybrid | Exotic | Indigenous | Hybrid | Exotic |
| <b>Somale</b>           | 668,619   | 200,694    | -      | -      | 467,925    | -      | -      |
| Shinele                 | 74,213    | 17,611     | -      | -      | 56,602     | -      | -      |
| Jijiga                  | 361,636   | 114,175    | -      | -      | 247,461    | -      | -      |
| Liben                   | 232,770   | 68,907     | -      | -      | 163,862    | -      | -      |
| <b>Benshangul-Gumuz</b> | 314,277   | 96,263     | -      | -      | 218,014    | -      | -      |
| Metekel                 | 114,281   | 36,230     | -      | -      | 78,051     | -      | -      |
| Asosa                   | 152,480   | 46,196     | -      | -      | 106,284    | -      | -      |
| Kemeshi                 | 47,516    | 13,837     | -      | -      | 33,678     | -      | -      |
| <b>SNNP</b>             | 2,054,080 | 604,088    | -      | -      | 1,449,780  | *      | -      |
| Gurage                  | 118,585   | 36,338     | -      | -      | 82,247     | -      | -      |
| Hadiya                  | 112,961   | 28,448     | -      | -      | 84,512     | -      | -      |
| Kembata Tembaro         | 41,075    | 9,431      | -      | -      | 31,431     | *      | -      |
| Sidama                  | 193,173   | 59,114     | -      | -      | 134,059    | -      | -      |
| Gedio                   | 9,410     | 2,223      | -      | -      | 7,186      | -      | -      |
| Wolayita                | 120,000   | 30,711     | -      | -      | 89,289     | -      | -      |
| South Omo               | 556,492   | 169,072    | -      | -      | 387,421    | -      | -      |
| Shaka                   | 8,455     | 2,255      | -      | -      | 6,201      | -      | -      |
| Kaffa                   | 102,293   | 25,234     | -      | -      | 77,058     | -      | -      |
| Gamo Gofa               | 226,250   | 63,259     | -      | -      | 162,991    | -      | -      |
| Bench Maji              | 41,030    | 11,818     | -      | -      | 29,212     | -      | -      |
| Yem Sp. Wereda          | 19,256    | 4,534      | -      | -      | 14,722     | -      | -      |
| Amaro Sp. Wereda        | 43,548    | 13,492     | -      | -      | 30,056     | -      | -      |
| Burji Sp. Wereda        | 24,242    | 7,501      | -      | -      | 16,741     | -      | -      |
| Konso Sp. Wereda        | 134,253   | 46,181     | -      | -      | 88,071     | -      | -      |
| Derashe Sp. Wereda      | 67,589    | 24,154     | -      | -      | 43,436     | -      | -      |
| Dawro                   | 45,448    | 13,665     | -      | -      | 31,783     | -      | -      |
| Basketo Sp. Wereda      | 4,222     | 997        | -      | -      | 3,225      | -      | -      |
| Konta Sp. Wereda        | 8,556     | 2,875      | -      | -      | 5,680      | -      | -      |
| Silte                   | 128,662   | 38,323     | -      | -      | 90,339     | -      | -      |
| Alaba Sp. Wereda        | 48,582    | 14,462     | -      | -      | 34,120     | -      | -      |
| <b>Harari</b>           | 32,782    | 9,718      | -      | -      | 23,064     | -      | -      |
| Hundene                 | 32,782    | 9,718      | -      | -      | 23,064     | -      | -      |
| <b>Addis Ababa</b>      | 4,079     | 1,219      | -      | -      | 2,861      | -      | -      |
| Zone 3                  | 2,801     | 825        | -      | -      | 1,976      | -      | -      |
| Zone 6                  | 1,278     | 394        | -      | -      | 885        | -      | -      |
| <b>Dire Dawa</b>        | 124,094   | 31,335     | -      | -      | 92,759     | -      | -      |

TABLE 3-17: POULTRY INVENTORY BY TYPE, ZONE, AND REGION  
a. All

| Geographic Area   | Total Poultry | Cocks     | Cockerels | Pullets   | Non-Laying Hens | Chicks     | Laying Hens |
|-------------------|---------------|-----------|-----------|-----------|-----------------|------------|-------------|
| <b>Ethiopia</b>   | 32,032,199    | 3,364,375 | 1,464,934 | 2,954,955 | 1,128,647       | 12,517,998 | 10,601,290  |
| <b>Tigray</b>     | 3,131,239     | 264,794   | 211,469   | 362,637   | 145,609         | 1,290,276  | 856,455     |
| North West Tigray | 789,638       | 57,370    | 63,096    | 89,336    | 25,710          | 371,592    | 182,534     |
| Central Tigray    | 934,123       | 88,249    | 64,292    | 105,791   | 34,607          | 376,403    | 264,781     |
| Eastern Tigray    | 420,529       | 37,211    | 23,622    | 67,175    | 16,417          | 106,991    | 169,113     |
| Southern Tigray   | 586,680       | 58,736    | 29,191    | 58,670    | 52,239          | 227,454    | 160,390     |
| Western Tigray    | 400,269       | 23,227    | 31,269    | 41,665    | 16,636          | 207,836    | 79,636      |
| <b>Afar</b>       | 49,429        | 4,986     | 2,999     | 3,899     | 3,658           | 19,088     | 14,800      |
| Zone 1            | 817           | 185       | -         | *         | *               | *          | 400         |
| Zone 3            | 48,612        | 4,801     | 2,999     | 3,870     | 3,551           | 18,991     | 14,401      |
| <b>Amhara</b>     | 9,400,917     | 1,045,473 | 383,553   | 861,632   | 324,241         | 3,698,834  | 3,087,184   |
| North Gondar      | 2,137,788     | 168,723   | 118,522   | 227,902   | 65,170          | 1,045,075  | 512,396     |
| South Gondar      | 990,287       | 74,180    | 31,384    | 81,851    | 31,740          | 424,904    | 346,227     |
| North Wolo        | 979,818       | 187,848   | 50,327    | 84,745    | 30,885          | 329,901    | 296,111     |
| South Wolo        | 1,417,326     | 281,191   | 40,699    | 85,992    | 70,146          | 403,223    | 536,074     |
| North Shewa       | 1,151,952     | 126,037   | 26,955    | 97,802    | 31,283          | 376,711    | 493,163     |
| East Gojam        | 622,652       | 53,243    | 19,819    | 62,982    | 26,143          | 161,208    | 299,258     |
| West Gojam        | 1,147,231     | 74,831    | 53,049    | 120,228   | 28,932          | 524,864    | 345,327     |
| Waghamera         | 254,309       | 25,480    | 10,558    | 30,160    | 7,461           | 113,335    | 67,315      |
| Awı               | 467,490       | 31,232    | 24,409    | 46,881    | 23,308          | 206,495    | 135,166     |
| Oromia            | 232,063       | 22,708    | 7,831     | 23,088    | 9,172           | 113,117    | 56,147      |
| <b>Oromia</b>     | 12,226,799    | 1,389,282 | 519,200   | 1,051,623 | 494,642         | 4,449,053  | 4,322,999   |
| West Wellega      | 1,388,427     | 170,351   | 67,604    | 147,895   | 55,060          | 560,970    | 386,548     |
| East Wellega      | 894,843       | 109,056   | 41,514    | 70,601    | 36,617          | 389,698    | 247,356     |
| Illubabor         | 705,480       | 83,113    | 35,557    | 63,155    | 22,563          | 255,955    | 245,137     |
| Jimma             | 1,480,476     | 162,592   | 26,829    | 89,690    | 32,836          | 669,857    | 498,671     |
| West Shewa        | 908,623       | 103,721   | 22,827    | 50,651    | 34,370          | 323,088    | 373,965     |
| North Shewa       | 501,426       | 49,011    | 15,634    | 33,855    | 16,331          | 115,550    | 271,044     |
| East Shewa        | 1,088,041     | 114,878   | 46,789    | 85,965    | 70,609          | 382,675    | 387,125     |
| Arsi              | 1,365,259     | 156,191   | 61,905    | 128,328   | 57,421          | 419,948    | 541,465     |
| West Harerghe     | 1,006,851     | 103,944   | 58,037    | 92,940    | 35,175          | 401,545    | 315,211     |
| East Harerghe     | 976,583       | 117,102   | 46,765    | 117,158   | 56,172          | 244,156    | 395,230     |
| Bale              | 567,696       | 66,581    | 33,115    | 65,684    | 10,964          | 195,128    | 196,223     |
| Borena            | 374,562       | 39,911    | 26,922    | 42,623    | 8,819           | 148,737    | 107,551     |
| South West Shewa  | 535,750       | 50,532    | 12,766    | 25,378    | 34,816          | 187,923    | 224,335     |
| Guji              | 432,782       | 62,298    | 22,935    | 37,700    | 22,888          | 153,823    | 133,138     |

TABLE 3-17 – a CONT'D

| Geographic Area         | Total Poultry | Cocks   | Cockerels | Pullets | Non-Laying Hens | Chicks    | Laying Hens |
|-------------------------|---------------|---------|-----------|---------|-----------------|-----------|-------------|
| <b>Somale</b>           | 92,489        | 14,590  | 4,371     | 7,489   | 4,685           | 22,879    | 38,475      |
| Shinele                 | 3,907         | 515     | 206       | 495     | 93              | 1,038     | 1,560       |
| Jijiga                  | 54,388        | 10,109  | 2,839     | 4,142   | 2,561           | 9,719     | 25,017      |
| Liben                   | 34,194        | 3,966   | 1,326     | 2,852   | 2,031           | 12,122    | 11,898      |
| <b>Benshangul-Gumuz</b> | 635,634       | 56,690  | 38,915    | 62,787  | 12,894          | 312,258   | 152,091     |
| Metekel                 | 246,844       | 21,382  | 16,107    | 22,608  | 4,331           | 123,199   | 59,216      |
| Asosa                   | 295,511       | 26,272  | 16,026    | 27,897  | 6,731           | 147,097   | 71,489      |
| Kemeshi                 | 93,280        | 9,036   | 6,782     | 12,281  | 1,833           | 41,962    | 21,385      |
| <b>SNNP</b>             | 6,391,051     | 575,776 | 299,392   | 595,561 | 139,134         | 2,698,083 | 2,083,106   |
| Gurage                  | 554,514       | 49,062  | 17,049    | 53,924  | 12,529          | 203,697   | 218,254     |
| Hadiya                  | 681,803       | 42,336  | 30,234    | 66,173  | 4,687           | 349,444   | 188,930     |
| Kembata Tembaro         | 274,143       | 16,895  | 6,412     | 24,582  | 4,051           | 123,040   | 99,163      |
| Sidama                  | 803,856       | 50,847  | 29,489    | 70,579  | *               | 329,734   | 315,117     |
| Gedio                   | 152,042       | 17,794  | 4,721     | 21,862  | 1,271           | 50,002    | 56,392      |
| Wolayita                | 655,280       | 63,988  | 39,573    | 52,141  | 23,447          | 279,437   | 196,692     |
| South Omo               | 350,004       | 38,369  | 22,881    | 46,208  | 4,777           | 136,841   | 100,929     |
| Shaka                   | 116,245       | 10,264  | 5,628     | 9,948   | *               | 49,443    | 39,403      |
| Kaffa                   | 577,441       | 61,519  | 33,640    | 46,532  | 19,777          | 240,908   | 175,065     |
| Gamo Gofa               | 573,071       | 59,886  | 29,312    | 49,736  | 10,676          | 239,281   | 184,181     |
| Bench Maji              | 483,084       | 39,852  | 33,229    | 54,260  | 16,652          | 214,549   | 124,543     |
| Yem Sp. Wereda          | 35,818        | 4,573   | 329       | 2,962   | 1,316           | 12,625    | 14,013      |
| Amaro Sp. Wereda        | 60,163        | 7,787   | 2,486     | 5,118   | 1,113           | 25,849    | 17,811      |
| Burji Sp. Wereda        | 24,919        | 3,147   | 1,467     | 1,997   | 637             | 10,160    | 7,511       |
| Konso Sp. Wereda        | 109,341       | 15,480  | 6,365     | 13,073  | 2,637           | 38,404    | 33,383      |
| Derashe Sp. Wereda      | 97,176        | 14,090  | 6,566     | 10,016  | 2,287           | 37,843    | 26,374      |
| Dawro                   | 154,894       | 19,152  | 8,607     | 10,562  | 7,218           | 55,731    | 53,624      |
| Basketo Sp. Wereda      | 41,305        | 4,767   | 2,188     | 3,213   | 856             | 18,933    | 11,347      |
| Konta Sp. Wereda        | 57,974        | 6,650   | 2,560     | 5,204   | 1,060           | 26,151    | 16,350      |
| Silte                   | 484,736       | 41,981  | 14,228    | 39,521  | 12,598          | 200,747   | 175,661     |
| Alaba Sp. Wereda        | 103,241       | 7,338   | 2,427     | 7,950   | 1,897           | 55,265    | 28,364      |
| <b>Harari</b>           | 33,329        | 3,926   | 2,320     | 2,985   | 783             | 11,565    | 11,750      |
| Hundene                 | 33,329        | 3,926   | 2,320     | 2,985   | 783             | 11,565    | 11,750      |
| <b>Addis Ababa</b>      | 22,156        | 3,175   | 698       | 1,251   | 692             | 5,642     | 10,698      |
| Zone 3                  | 14,789        | 2,022   | 509       | 831     | 370             | 3,749     | 7,308       |
| Zone 6                  | 7,367         | 1,153   | 189       | 421     | 322             | 1,893     | 3,390       |
| <b>Dire Dawa</b>        | 49,157        | 5,685   | 2,017     | 5,091   | 2,310           | 10,322    | 23,733      |



## b. Indigenous Breeds

| Geographic Area   | Total Poultry | Cocks     | Cockerels | Pullets   | Non-Laying Hens | Chicks     | Laying Hens |
|-------------------|---------------|-----------|-----------|-----------|-----------------|------------|-------------|
| <b>Ethiopia</b>   | 30,158,370    | 3,146,832 | 1,378,788 | 2,744,035 | 1,066,784       | 12,049,372 | 9,772,558   |
| <b>Tigray</b>     | 2,723,566     | 225,223   | 186,291   | 296,581   | 128,813         | 1,160,655  | 726,004     |
| North West Tigray | 705,491       | 50,624    | 54,492    | 76,989    | 24,648          | 336,020    | 162,719     |
| Central Tigray    | 815,151       | 76,398    | 57,947    | 93,533    | 31,809          | 334,970    | 220,493     |
| Eastern Tigray    | 345,017       | 29,967    | 20,604    | 43,379    | 14,077          | 96,529     | 140,461     |
| Southern Tigray   | 478,164       | 47,028    | 23,947    | 42,398    | 42,520          | 194,648    | 127,623     |
| Western Tigray    | 379,743       | 21,207    | 29,301    | 40,281    | 15,760          | 198,488    | 74,707      |
| <b>Afar</b>       | 49,054        | 4,928     | 2,999     | 3,899     | 3,658           | 19,088     | 14,483      |
| Zone 1            | *             | *         | -         | *         | *               | *          | *           |
| Zone 3            | 48,519        | 4,801     | 2,999     | 3,870     | 3,551           | 18,991     | 14,308      |
| <b>Amhara</b>     | 8,918,815     | 992,314   | 358,399   | 812,465   | 314,728         | 3,546,763  | 2,894,146   |
| North Gondar      | 2,024,574     | 156,622   | 108,218   | 211,560   | 64,478          | 1,002,648  | 481,048     |
| South Gondar      | 928,980       | 66,989    | 31,384    | 77,195    | 29,590          | 400,211    | 323,611     |
| North Wolo        | 948,504       | 184,283   | 49,705    | 84,144    | 30,473          | 311,131    | 288,767     |
| South Wolo        | 1,382,239     | 274,986   | 39,719    | 85,324    | 68,538          | 397,882    | 515,790     |
| North Shewa       | 1,089,708     | 119,803   | 23,923    | 93,304    | 30,701          | 362,867    | 459,111     |
| East Gojam        | 553,312       | 46,036    | 14,481    | 51,637    | 25,187          | 148,566    | 267,405     |
| West Gojam        | 1,084,525     | 68,866    | 48,989    | 112,987   | 27,358          | 509,327    | 316,998     |
| Waghamera         | 236,118       | 23,430    | 9,833     | 27,964    | 7,037           | 104,477    | 63,377      |
| Awı               | 442,964       | 29,011    | 24,409    | 45,964    | 22,253          | 197,757    | 123,571     |
| Oromia            | 227,893       | 22,289    | 7,740     | 22,386    | 9,113           | 111,898    | 54,468      |
| <b>Oromia</b>     | 11,367,030    | 1,287,281 | 490,693   | 970,422   | 464,176         | 4,281,093  | 3,873,366   |
| West Wellega      | 1,366,174     | 167,549   | 66,861    | 145,143   | 53,927          | 559,411    | 373,282     |
| East Wellega      | 865,579       | 105,306   | 41,514    | 69,079    | 35,442          | 385,882    | 228,356     |
| Illubabor         | 681,574       | 78,582    | 35,557    | 61,060    | 22,370          | 251,858    | 232,147     |
| Jimma             | 1,397,771     | 152,062   | 25,854    | 84,957    | 31,975          | 638,883    | 464,039     |
| West Shewa        | 842,224       | 94,782    | 21,452    | 46,824    | 33,313          | 314,464    | 331,389     |
| North Shewa       | 410,600       | 41,939    | 15,634    | 30,442    | 13,897          | 104,737    | 203,952     |
| East Shewa        | 986,020       | 105,872   | 41,617    | 80,127    | 64,973          | 365,891    | 327,539     |
| Arsi              | 1,199,132     | 130,527   | 58,392    | 115,665   | 48,554          | 386,047    | 459,947     |
| West Harerghe     | 952,205       | 98,174    | 57,276    | 89,974    | 32,203          | 385,228    | 289,350     |
| East Harerghe     | 884,895       | 105,644   | 36,197    | 81,407    | 54,600          | 236,049    | 370,998     |
| Bale              | 515,967       | 61,740    | 30,569    | 63,418    | 10,493          | 178,399    | 171,349     |
| Borena            | 368,572       | 39,386    | 25,788    | 42,405    | 8,793           | 148,502    | 103,699     |
| South West Shewa  | 476,164       | 44,324    | 11,047    | 22,220    | 30,747          | 180,373    | 187,452     |
| Guji              | 420,152       | 61,393    | 22,935    | 37,700    | 22,888          | 145,369    | 129,867     |

TABLE 3-17 – b CONT'D

| Geographic Area         | Total Poultry | Cocks   | Cockerels | Pullets | Non-Laying Hens | Chicks    | Laying Hens |
|-------------------------|---------------|---------|-----------|---------|-----------------|-----------|-------------|
| <b>Somale</b>           | 91,033        | 14,146  | 4,352     | 7,489   | 4,618           | 22,713    | 37,716      |
| Shinele                 | 3,907         | 515     | 206       | 495     | 93              | 1,038     | 1,560       |
| Jijiga                  | 54,219        | 10,109  | 2,839     | 4,142   | 2,561           | 9,719     | 24,849      |
| Liben                   | 32,908        | 3,522   | 1,307     | 2,852   | 1,964           | 11,956    | 11,307      |
| <b>Benshangul-Gumuz</b> | 625,593       | 55,327  | 38,501    | 62,306  | 12,819          | 308,532   | 148,109     |
| Metekel                 | 241,888       | 20,679  | 15,874    | 22,351  | 4,282           | 121,244   | 57,459      |
| Asosa                   | 290,914       | 25,669  | 15,878    | 27,674  | 6,731           | 145,326   | 69,637      |
| Kemeshi                 | 92,791        | 8,979   | 6,749     | 12,281  | 1,806           | 41,962    | 21,013      |
| <b>SNNP</b>             | 6,285,857     | 556,137 | 292,779   | 582,187 | 134,475         | 2,683,952 | 2,036,326   |
| Gurage                  | 543,138       | 45,477  | 16,419    | 53,517  | 12,529          | 203,276   | 211,919     |
| Hadiya                  | 672,645       | 40,549  | 28,378    | 64,501  | 4,687           | 349,070   | 185,460     |
| Kembata Tembaro         | 261,103       | 15,050  | 6,303     | 19,769  | 3,940           | 121,493   | 94,548      |
| Sidama                  | 788,512       | 49,331  | 29,489    | 68,929  | *               | 328,561   | 304,113     |
| Gedio                   | 149,556       | 17,638  | 4,481     | 21,569  | 760             | 50,002    | 55,107      |
| Wolayita                | 649,208       | 63,407  | 39,194    | 51,722  | 20,846          | 279,437   | 194,602     |
| South Omo               | 346,182       | 38,000  | 22,570    | 46,208  | 4,777           | 135,206   | 99,422      |
| Shaka                   | 113,052       | 9,498   | 5,170     | 9,659   | *               | 48,747    | 38,482      |
| Kaffa                   | 561,518       | 58,354  | 32,220    | 45,073  | 18,739          | 236,539   | 170,592     |
| Gamo Gofa               | 566,357       | 58,827  | 29,066    | 49,324  | 10,676          | 237,652   | 180,812     |
| Bench Maji              | 479,118       | 39,114  | 33,229    | 53,653  | 16,652          | 214,358   | 122,112     |
| Yem Sp. Wereda          | 35,233        | 4,464   | 329       | 2,870   | 1,316           | 12,468    | 13,785      |
| Amaro Sp. Wereda        | 58,771        | 7,429   | 2,334     | 4,963   | 1,113           | 25,548    | 17,384      |
| Burji Sp. Wereda        | 24,801        | 3,118   | 1,435     | 1,966   | 637             | 10,160    | 7,484       |
| Konso Sp. Wereda        | 107,989       | 15,367  | 5,861     | 12,629  | 2,637           | 38,288    | 33,207      |
| Derashe Sp. Wereda      | 95,750        | 13,728  | 6,566     | 9,979   | 2,257           | 37,540    | 25,680      |
| Dawro                   | 154,290       | 18,729  | 8,607     | 10,562  | 7,218           | 55,731    | 53,443      |
| Basketo Sp. Wereda      | 40,124        | 4,554   | 2,114     | 3,033   | 838             | 18,482    | 11,102      |
| Konta Sp. Wereda        | 57,751        | 6,594   | 2,531     | 5,147   | 1,060           | 26,151    | 16,267      |
| Silte                   | 478,596       | 39,719  | 14,098    | 39,258  | 12,310          | 200,357   | 172,854     |
| Alaba Sp. Wereda        | 102,164       | 7,191   | 2,385     | 7,855   | 1,897           | 54,886    | 27,950      |
| <b>Harari</b>           | 32,462        | 3,776   | 2,249     | 2,841   | 783             | 11,510    | 11,302      |
| Hundene                 | 32,462        | 3,776   | 2,249     | 2,841   | 783             | 11,510    | 11,302      |
| <b>Addis Ababa</b>      | 20,938        | 2,989   | 655       | 1,181   | 653             | 5,518     | 9,942       |
| Zone 3                  | 13,900        | 1,897   | 466       | 760     | 360             | 3,667     | 6,750       |
| Zone 6                  | 7,039         | 1,093   | 189       | 421     | 294             | 1,851     | 3,192       |
| <b>Dire Dawa</b>        | 44,019        | 4,709   | 1,870     | 4,665   | 2,061           | 9,549     | 21,165      |

### c. Hybrid

| Geographic Area   | Total Poultry | Cocks   | Cockerels | Pullets | Non-Laying Hens | Chicks  | Laying Hens |
|-------------------|---------------|---------|-----------|---------|-----------------|---------|-------------|
| <b>Ethiopia</b>   | 1,394,476     | 160,338 | 73,198    | 133,142 | 42,268          | 423,065 | 562,465     |
| <b>Tigray</b>     | 340,152       | 30,382  | 22,432    | 39,028  | 13,426          | 125,278 | 109,605     |
| North West Tigray | 81,571        | 5,697   | 8,604     | 11,945  | 1,062           | 35,573  | 18,690      |
| Central Tigray    | 99,684        | 9,825   | 6,091     | 8,689   | 2,495           | 38,581  | 34,003      |
| Eastern Tigray    | 47,248        | 4,239   | *         | 6,304   | 1,448           | 9,473   | 24,305      |
| Southern Tigray   | 91,503        | 8,836   | 4,291     | 10,706  | 7,545           | 32,303  | 27,823      |
| Western Tigray    | 20,145        | 1,786   | 1,967     | 1,384   | 876             | 9,348   | 4,784       |
| <b>Afar</b>       | *             | *       | -         | -       | -               | -       | *           |
| Zone 1            | *             | *       | -         | -       | -               | -       | *           |
| Zone 3            | *             | -       | -         | -       | -               | -       | *           |
| <b>Amhara</b>     | 406,086       | 35,485  | 24,956    | 46,174  | 8,378           | 137,875 | 153,217     |
| North Gondar      | 95,832        | 6,356   | 10,304    | 15,127  | *               | 39,881  | 23,471      |
| South Gondar      | 52,873        | 5,214   | -         | 4,366   | 2,150           | 24,062  | 17,080      |
| North Wolo        | 19,675        | 3,153   | *         | *       | *               | *       | 6,512       |
| South Wolo        | 26,782        | 4,297   | *         | *       | *               | *       | 14,223      |
| North Shewa       | 54,844        | 3,648   | *         | *       | *               | *       | 29,516      |
| East Gojam        | 59,655        | 4,299   | 5,338     | 10,582  | *               | *       | 25,838      |
| West Gojam        | 56,398        | 5,406   | *         | 7,005   | *               | 15,536  | 23,614      |
| Waghamera         | 15,535        | 1,450   | *         | *       | *               | *       | 2,729       |
| Awı               | 20,506        | 1,242   | -         | 917     | 1,055           | *       | 8,554       |
| Oromia            | 3,987         | *       | -         | *       | *               | *       | 1,679       |
| <b>Oromia</b>     | 551,367       | 78,749  | 19,108    | 37,881  | 18,390          | 142,047 | 255,191     |
| West Wellega      | 13,049        | *       | *         | 2,751   | *               | *       | 5,487       |
| East Wellega      | 15,423        | 3,370   | -         | *       | *               | 3,816   | 6,249       |
| Illubabor         | 16,381        | 3,436   | -         | *       | -               | 4,097   | 7,470       |
| Jimma             | 61,120        | 9,010   | *         | *       | -               | *       | 19,183      |
| West Shewa        | 53,398        | 7,524   | *         | 2,792   | *               | *       | 33,812      |
| North Shewa       | 46,170        | 4,434   | -         | *       | *               | 10,813  | 27,389      |
| East Shewa        | 78,421        | 8,054   | 4,921     | 4,615   | 4,352           | 13,149  | 43,330      |
| Arsi              | 118,722       | 19,957  | 3,513     | 9,819   | 4,027           | 29,383  | 52,021      |
| West Harerghe     | 29,936        | 3,827   | *         | *       | *               | 15,754  | 7,211       |
| East Harerghe     | 32,705        | 8,632   | *         | 1,853   | *               | 8,107   | 10,575      |
| Bale              | 34,690        | 3,664   | *         | *       | *               | 10,737  | 15,241      |
| Borena            | 4,307         | *       | *         | *       | -               | -       | 2,785       |
| South West Shewa  | 41,150        | 4,554   | *         | 2,764   | 3,926           | 6,309   | 22,021      |
| Guji              | *             | *       | -         | -       | -               | *       | 2,416       |

TABLE 3 -17 – c CONT'D

| Geographic Area         | Total Poultry | Cocks  | Cockerels | Pullets | Non-Laying Hens | Chicks | Laying Hens |
|-------------------------|---------------|--------|-----------|---------|-----------------|--------|-------------|
| <b>Somale</b>           | *             | *      | *         | -       | -               | *      | *           |
| Shinele                 | -             | -      | -         | -       | -               | -      | -           |
| Jijiga                  | *             | -      | -         | -       | -               | -      | *           |
| Liben                   | *             | *      | *         | -       | -               | *      | *           |
| <b>Benshangul-Gumuz</b> | 8,382         | 961    | *         | *       | *               | 3,726  | 2,851       |
| Metekel                 | 4,305         | *      | *         | *       | *               | *      | 1,439       |
| Asosa                   | *             | *      | *         | *       | -               | *      | *           |
| Kemeshi                 | *             | *      | -         | -       | *               | -      | *           |
| <b>SNNP</b>             | 82,207        | 13,687 | 6,039     | 9,214   | 1,739           | 13,075 | 38,453      |
| Gurage                  | 8,870         | 2,332  | *         | *       | -               | *      | 5,287       |
| Hadiya                  | *             | *      | *         | *       | -               | *      | 1,055       |
| Kembata Tembaro         | 7,692         | 1,078  | *         | *       | *               | *      | 3,431       |
| Sidama                  | *             | *      | -         | *       | -               | *      | *           |
| Gedio                   | 1,176         | -      | *         | *       | *               | -      | *           |
| Wolayita                | 2,723         | *      | *         | *       | *               | -      | 1,667       |
| South Omo               | *             | *      | *         | -       | -               | *      | *           |
| Shaka                   | 2,782         | *      | *         | *       | -               | *      | 785         |
| Kaffa                   | 14,962        | 2,749  | *         | 1,459   | *               | *      | 4,327       |
| Gamo Gofa               | 6,072         | *      | *         | *       | -               | *      | 3,368       |
| Bench Maji              | 3,730         | *      | -         | *       | -               | *      | 2,305       |
| Yem Sp. Wereda          | 448           | *      | -         | *       | -               | *      | 136         |
| Amaro Sp. Wereda        | 1,053         | 272    | *         | *       | -               | *      | 358         |
| Burji Sp. Wereda        | *             | *      | *         | *       | -               | -      | *           |
| Konso Sp. Wereda        | 1,352         | *      | *         | *       | -               | *      | *           |
| Derashe Sp. Wereda      | 883           | 289    | -         | -       | -               | *      | *           |
| Dawro                   | *             | *      | -         | -       | -               | -      | *           |
| Basketo Sp. Wereda      | 1,146         | *      | *         | *       | *               | 451    | 228         |
| Konta Sp. Wereda        | *             | *      | -         | *       | -               | -      | *           |
| Silte                   | 4,539         | 1,219  | -         | *       | *               | *      | 2,378       |
| Alaba Sp. Wereda        | 984           | *      | *         | *       | -               | *      | 363         |
| <b>Harari</b>           | 365           | *      | *         | *       | -               | -      | *           |
| Hundene                 | 365           | *      | *         | *       | -               | -      | *           |
| <b>Addis Ababa</b>      | 1,048         | 176    | 43        | *       | *               | *      | 623         |
| Zone 3                  | 792           | 117    | 43        | *       | *               | *      | 470         |
| Zone 6                  | 256           | *      | -         | -       | -               | *      | 154         |
| <b>Dire Dawa</b>        | 4,146         | 741    | *         | *       | *               | 774    | 1,915       |

#### d. Exotic Breeds

| Geographic Area   | Total Poultry | Cocks  | Cockerels | Pullets | Non-Laying Hens | Chicks | Laying Hens |
|-------------------|---------------|--------|-----------|---------|-----------------|--------|-------------|
| <b>Ethiopia</b>   | 479,354       | 57,205 | *         | 77,778  | 19,594          | 45,560 | 266,267     |
| <b>Tigray</b>     | 67,521        | 9,189  | *         | 27,028  | 3,370           | *      | 20,846      |
| North West Tigray | 2,576         | 1,049  | -         | *       | -               | -      | *           |
| Central Tigray    | 19,288        | 2,027  | *         | 3,569   | *               | *      | 10,285      |
| Eastern Tigray    | *             | *      | *         | *       | *               | *      | 4,347       |
| Southern Tigray   | 17,013        | 2,873  | *         | 5,566   | 2,174           | *      | 4,944       |
| Western Tigray    | *             | *      | -         | -       | -               | -      | *           |
| <b>Afar</b>       | *             | *      | -         | -       | -               | -      | *           |
| Zone 1            | *             | *      | -         | -       | -               | -      | *           |
| Zone 3            | -             | -      | -         | -       | -               | -      | -           |
| <b>Amhara</b>     | 76,015        | 17,673 | *         | 2,993   | *               | *      | 39,821      |
| North Gondar      | 17,383        | 5,746  | -         | *       | -               | *      | 7,876       |
| South Gondar      | 8,434         | 1,977  | -         | *       | -               | *      | 5,535       |
| North Wolo        | *             | *      | -         | *       | -               | *      | *           |
| South Wolo        | 8,306         | 1,908  | -         | -       | *               | -      | 6,062       |
| North Shewa       | 7,400         | 2,587  | -         | *       | -               | -      | *           |
| East Gojam        | 9,685         | *      | -         | *       | -               | -      | 6,015       |
| West Gojam        | 6,308         | *      | -         | *       | *               | -      | 4,714       |
| Waghamera         | *             | *      | *         | -       | -               | *      | *           |
| Awi               | *             | *      | -         | -       | -               | -      | *           |
| Oromia            | *             | -      | *         | *       | -               | -      | -           |
| <b>Oromia</b>     | 308,402       | 23,252 | *         | *       | 12,076          | 25,913 | 194,442     |
| West Wellega      | 9,204         | *      | *         | -       | -               | -      | 7,778       |
| East Wellega      | 13,840        | *      | -         | *       | *               | -      | 12,751      |
| Illubabor         | 7,524         | 1,095  | -         | *       | *               | -      | *           |
| Jimma             | 21,584        | *      | *         | *       | *               | *      | 15,448      |
| West Shewa        | 13,001        | *      | *         | *       | -               | *      | 8,764       |
| North Shewa       | 44,657        | 2,638  | -         | *       | *               | -      | 39,704      |
| East Shewa        | 23,600        | *      | *         | *       | *               | *      | 16,256      |
| Arsi              | 47,405        | 5,706  | -         | *       | *               | *      | 29,497      |
| West Harerghe     | 24,710        | 1,942  | *         | *       | *               | *      | 18,650      |
| East Harerghe     | *             | 2,827  | *         | *       | *               | -      | 13,658      |
| Bale              | 17,039        | *      | -         | -       | *               | *      | 9,634       |
| Borena            | 1,683         | *      | -         | -       | *               | *      | 1,067       |
| South West Shewa  | 18,436        | 1,654  | *         | *       | *               | *      | 14,861      |
| Guji              | *             | *      | -         | -       | -               | *      | *           |

TABLE 3 -17 – d CONT'D

| Geographic Area         | Total Poultry | Cocks | Cockerels | Pullets | Non-Laying Hens | Chicks | Laying Hens |
|-------------------------|---------------|-------|-----------|---------|-----------------|--------|-------------|
| <b>Somale</b>           | *             | *     | -         | -       | *               | -      | *           |
| Shinele                 | -             | -     | -         | -       | -               | -      | -           |
| Jijiga                  | -             | -     | -         | -       | -               | -      | -           |
| Liben                   | *             | *     | -         | -       | *               | -      | *           |
| <b>Benshangul-Gumuz</b> | *             | *     | *         | *       | -               | -      | *           |
| Metekel                 | *             | *     | -         | *       | -               | -      | *           |
| Asosa                   | *             | *     | -         | -       | -               | -      | *           |
| Kemeshi                 | *             | -     | *         | -       | -               | -      | *           |
| <b>SNNP</b>             | 22,987        | 5,951 | 574       | *       | *               | *      | 8,326       |
| Gurage                  | 2,507         | 1,253 | -         | *       | -               | -      | *           |
| Hadiya                  | *             | *     | -         | -       | -               | -      | *           |
| Kembata Tembaro         | *             | 768   | -         | *       | -               | -      | 1,185       |
| Sidama                  | *             | *     | -         | -       | -               | -      | *           |
| Gedio                   | 1,310         | *     | *         | *       | *               | -      | *           |
| Wolayita                | *             | *     | *         | *       | *               | -      | *           |
| South Omo               | -             | -     | -         | -       | -               | -      | -           |
| Shaka                   | 412           | 186   | -         | *       | *               | -      | *           |
| Kaffa                   | 961           | *     | -         | -       | *               | *      | *           |
| Gamo Gofa               | *             | -     | -         | -       | -               | *      | -           |
| Bench Maji              | *             | *     | -         | -       | -               | -      | *           |
| Yem Sp. Wereda          | *             | *     | -         | -       | -               | -      | *           |
| Amaro Sp. Wereda        | 339           | *     | *         | *       | -               | -      | *           |
| Burji Sp. Wereda        | *             | *     | *         | *       | -               | -      | *           |
| Konso Sp. Wereda        | -             | -     | -         | -       | -               | -      | -           |
| Derashe Sp. Wereda      | 544           | *     | -         | *       | *               | *      | 291         |
| Dawro                   | *             | *     | -         | -       | -               | -      | *           |
| Basketo Sp. Wereda      | *             | *     | -         | -       | -               | -      | *           |
| Konta Sp. Wereda        | *             | -     | *         | *       | -               | -      | -           |
| Silte                   | *             | *     | *         | -       | -               | -      | *           |
| Alaba Sp. Wereda        | *             | *     | -         | -       | -               | -      | *           |
| <b>Harari</b>           | 501           | 89    | -         | *       | -               | *      | 280         |
| Hundene                 | 501           | 89    | -         | *       | -               | *      | 280         |
| <b>Addis Ababa</b>      | 170           | *     | -         | -       | *               | -      | 133         |
| Zone 3                  | 97            | *     | -         | -       | -               | -      | 89          |
| Zone 6                  | *             | -     | -         | -       | *               | -      | *           |
| <b>Dire Dawa</b>        | 992           | *     | -         | *       | -               | -      | 652         |

TABLE 3-18: BEEHIVE INVENTORY AND PRODUCTION OF HONEY BY TYPE, ZONE, AND REGION

| Geographic Area   | All Beehives    |                               | Traditional Beehives |                              |                               | Intermediate Beehives |                              |                               | Modern Beehives |                              |                               |
|-------------------|-----------------|-------------------------------|----------------------|------------------------------|-------------------------------|-----------------------|------------------------------|-------------------------------|-----------------|------------------------------|-------------------------------|
|                   | Number of hives | Total annual honey production | Number of hives      | Avg. frequency of production | Total annual honey production | Number of hives       | Avg. frequency of production | Total annual honey production | Number of hives | Avg. frequency of production | Total annual honey production |
| <b>Ethiopia</b>   | 4,012,515       | 41,541,383                    | 3,957,737            | 1.49                         | 40,620,397                    | 18,605                | 1.38                         | 242,466                       | 36,172          | 1.36                         | 678,520                       |
| <b>Tigray</b>     | 182,341         | 1,736,711                     | 165,956              | 1.46                         | 1,447,624                     | 1,444                 | 1.12                         | *                             | 14,942          | 1.39                         | 269,547                       |
| North West Tigray | 33,906          | 419,307                       | 31,685               | 1.64                         | 342,037                       | *                     | *                            | *                             | 1,927           | 2.68                         | *                             |
| Central Tigray    | 48,663          | 523,432                       | 45,294               | 1.24                         | 480,670                       | *                     | *                            | *                             | 2,938           | 1.22                         | 37,998                        |
| Eastern Tigray    | 39,576          | 393,758                       | 29,877               | 1.47                         | 245,917                       | *                     | *                            | *                             | 9,112           | 1.2                          | 144,783                       |
| Southern Tigray   | 46,180          | 267,683                       | 45,149               | 1.47                         | 247,794                       | *                     | *                            | *                             | *               | *                            | *                             |
| Western Tigray    | 14,016          | 132,531                       | 13,950               | 1.84                         | 131,207                       | -                     | -                            | -                             | *               | *                            | *                             |
| <b>Afar</b>       | 447             | 2,074                         | 447                  | 1.49                         | 2,074                         | -                     | -                            | -                             | -               | -                            | -                             |
| Zone 1            | *               | *                             | *                    | *                            | *                             | -                     | -                            | -                             | -               | -                            | -                             |
| Zone 3            | 434             | *                             | 434                  | 1.46                         | *                             | -                     | -                            | -                             | -               | -                            | -                             |
| <b>Amhara</b>     | 791,661         | 6,408,656                     | 780,099              | 1.39                         | 6,251,093                     | 6,721                 | 1.51                         | *                             | 4,842           | 1.33                         | 56,992                        |
| North Gonder      | 175,788         | 1,597,718                     | 174,632              | 1.61                         | 1,573,760                     | *                     | *                            | *                             | *               | *                            | *                             |
| South Gonder      | 98,399          | 787,646                       | 97,358               | 1.26                         | 781,802                       | *                     | *                            | *                             | *               | *                            | *                             |
| North Wolo        | 55,834          | 259,214                       | 53,853               | 1.29                         | 251,150                       | *                     | -                            | -                             | *               | *                            | *                             |
| South Wolo        | 82,102          | 485,243                       | 81,017               | 1.42                         | 468,446                       | *                     | *                            | *                             | -               | -                            | -                             |
| North Shewa       | 53,181          | 246,180                       | 52,046               | 1.25                         | 238,882                       | *                     | *                            | *                             | -               | -                            | -                             |
| East Gojam        | 80,829          | 715,995                       | 77,617               | 1.64                         | 645,949                       | *                     | *                            | *                             | *               | *                            | *                             |
| West Gojam        | 118,663         | 1,397,488                     | 118,399              | 1.25                         | 1,392,213                     | *                     | *                            | *                             | -               | -                            | -                             |
| Waghamera         | 46,932          | 216,360                       | 46,367               | 1.15                         | 214,928                       | *                     | *                            | *                             | *               | *                            | *                             |
| Awı               | 68,078          | 609,118                       | 66,954               | 1.4                          | 590,270                       | *                     | *                            | *                             | *               | *                            | *                             |
| Oromia            | 11,855          | 93,694                        | 11,855               | 1.6                          | 93,694                        | -                     | -                            | -                             | -               | -                            | -                             |
| <b>Oromia</b>     | 2,155,768       | 23,558,234                    | 2,140,620            | 1.48                         | 23,199,322                    | *                     | 1.23                         | *                             | *               | 1.16                         | *                             |
| West Wellega      | 491,599         | 5,046,382                     | 486,961              | 1.19                         | *                             | -                     | -                            | -                             | *               | *                            | *                             |
| East Wellega      | 197,854         | 1,412,470                     | 197,667              | 1.07                         | 1,410,602                     | -                     | *                            | -                             | *               | *                            | *                             |
| Illubabor         | 374,261         | 1,839,982                     | 373,165              | 1.46                         | 1,807,098                     | *                     | *                            | *                             | -               | -                            | -                             |
| Jimma             | 338,262         | 2,465,290                     | 330,525              | 1.69                         | 2,336,084                     | *                     | *                            | *                             | *               | *                            | *                             |
| West Shewa        | 165,390         | 1,778,754                     | 165,390              | 1.41                         | 1,778,754                     | -                     | *                            | -                             | -               | -                            | -                             |
| North Shewa       | 36,281          | 207,278                       | 36,281               | 1.64                         | 207,278                       | -                     | -                            | -                             | -               | -                            | -                             |
| East Shewa        | 28,217          | 195,188                       | 27,341               | 1.67                         | *                             | -                     | -                            | -                             | *               | *                            | *                             |
| Arsi              | 128,947         | 782,417                       | 128,610              | 1.43                         | 782,417                       | *                     | -                            | -                             | -               | -                            | -                             |
| West Harerghe     | 50,635          | 500,305                       | 50,635               | 2.03                         | 500,305                       | -                     | -                            | -                             | -               | -                            | -                             |
| East Harerghe     | 58,125          | 368,364                       | 58,125               | 1.29                         | 368,364                       | -                     | -                            | -                             | -               | -                            | -                             |
| Bale              | 112,311         | *                             | 112,035              | 1.32                         | *                             | *                     | *                            | *                             | -               | -                            | -                             |
| Borena            | 60,865          | 533,460                       | 60,865               | 1.8                          | 533,460                       | -                     | -                            | -                             | -               | -                            | -                             |
| South West Shewa  | 44,429          | 250,070                       | 44,429               | 1.98                         | 250,070                       | -                     | -                            | -                             | -               | -                            | -                             |
| Guji              | 68,592          | 362,541                       | 68,592               | 1.39                         | 362,541                       | -                     | -                            | -                             | -               | -                            | -                             |

TABLE 3-18 CONT'D

| Geographic Area         | All Beehives    |                               | Traditional Beehives |                              |                               | Intermediate Beehives |                              |                               | Modern Beehives |                              |                               |
|-------------------------|-----------------|-------------------------------|----------------------|------------------------------|-------------------------------|-----------------------|------------------------------|-------------------------------|-----------------|------------------------------|-------------------------------|
|                         | Number of hives | Total annual honey production | Number of hives      | Avg. frequency of production | Total annual honey production | Number of hives       | Avg. frequency of production | Total annual honey production | Number of hives | Avg. frequency of production | Total annual honey production |
| <b>Somale</b>           | *               | *                             | *                    | *                            | *                             | -                     | -                            | -                             | -               | -                            | -                             |
| Shinele                 | -               | -                             | -                    | -                            | -                             | -                     | -                            | -                             | -               | -                            | -                             |
| Jijiga                  | *               | *                             | *                    | *                            | *                             | -                     | -                            | -                             | -               | -                            | -                             |
| Liben                   | *               | *                             | *                    | *                            | *                             | -                     | -                            | -                             | -               | -                            | -                             |
| <b>Benshangul-Gumuz</b> | 153,829         | 583,820                       | 153,587              | 1.29                         | 582,113                       | -                     | -                            | -                             | *               | *                            | *                             |
| Metekel                 | 87,346          | 408,035                       | 87,162               | 1.29                         | 406,559                       | -                     | -                            | -                             | *               | *                            | *                             |
| Asosa                   | 51,857          | 142,489                       | 51,800               | 1.37                         | 142,259                       | -                     | -                            | -                             | *               | *                            | *                             |
| Kemeshi                 | 14,626          | 33,296                        | 14,626               | 1.04                         | 33,296                        | -                     | -                            | -                             | -               | -                            | -                             |
| <b>SNNP</b>             | 720,692         | 9,213,231                     | 709,270              | 1.71                         | 9,100,516                     | *                     | 1.48                         | *                             | 3,978           | 1.57                         | 40,610                        |
| Gurage                  | 37,153          | 205,677                       | 36,382               | 2.05                         | 194,769                       | *                     | *                            | *                             | *               | *                            | *                             |
| Hadiya                  | 43,264          | 414,672                       | 43,264               | 1.87                         | 414,672                       | -                     | -                            | -                             | -               | -                            | -                             |
| Kembata Tembaro         | 17,177          | 167,724                       | 17,177               | 2.55                         | 167,724                       | -                     | -                            | -                             | -               | -                            | -                             |
| Sidama                  | 54,887          | *                             | 52,797               | 1.57                         | *                             | -                     | -                            | -                             | *               | *                            | *                             |
| Gedio                   | 17,860          | 57,568                        | 17,860               | 1.15                         | 57,568                        | -                     | -                            | -                             | -               | -                            | -                             |
| Wolayita                | 16,006          | 82,958                        | 14,223               | 3.05                         | 70,765                        | *                     | *                            | *                             | *               | *                            | *                             |
| South Omo               | 68,977          | 543,489                       | 68,870               | 1.79                         | 538,707                       | *                     | *                            | *                             | -               | -                            | -                             |
| Shaka                   | 84,998          | 432,666                       | 84,780               | 1.19                         | 431,087                       | 218                   | *                            | *                             | -               | -                            | -                             |
| Kaffa                   | 193,954         | 1,063,428                     | 189,970              | 1.11                         | 1,011,893                     | *                     | *                            | *                             | -               | -                            | -                             |
| Gamo Gofa               | 52,353          | 363,463                       | 52,127               | 1.7                          | 359,859                       | *                     | *                            | *                             | -               | -                            | -                             |
| Bench Maji              | 49,571          | 498,705                       | 48,868               | 2.36                         | 497,626                       | *                     | -                            | -                             | *               | *                            | *                             |
| Yem Sp. Wereda          | 6,982           | 53,553                        | 6,859                | 1.4                          | 52,814                        | *                     | *                            | *                             | *               | *                            | *                             |
| Amaro Sp. Wereda        | 4,350           | 18,670                        | 4,317                | 1.34                         | 18,274                        | *                     | *                            | *                             | -               | -                            | -                             |
| Burji Sp. Wereda        | 739             | 1,546                         | 739                  | 1.11                         | 1,546                         | -                     | -                            | -                             | -               | -                            | -                             |
| Konso Sp. Wereda        | 11,075          | *                             | 11,075               | 1.58                         | *                             | -                     | -                            | -                             | -               | -                            | -                             |
| Derashe Sp. Wereda      | 4,934           | 39,626                        | 4,934                | 1.51                         | 39,626                        | -                     | -                            | -                             | -               | -                            | -                             |
| Dawro                   | 20,278          | 156,029                       | 20,132               | 1.51                         | 155,592                       | *                     | *                            | *                             | -               | -                            | -                             |
| Basketo Sp. Wereda      | 1,648           | 8,804                         | 1,648                | 1.46                         | 8,804                         | -                     | -                            | -                             | -               | -                            | -                             |
| Konta Sp. Wereda        | 9,348           | *                             | 9,348                | 1.88                         | *                             | -                     | -                            | -                             | -               | -                            | -                             |
| Silte                   | 19,485          | 157,114                       | 18,245               | 1.67                         | 143,840                       | *                     | *                            | *                             | *               | *                            | *                             |
| Alaba Sp. Wereda        | 5,653           | 51,137                        | 5,653                | 1.69                         | 51,137                        | -                     | -                            | -                             | -               | -                            | -                             |
| <b>Harari</b>           | 596             | 4,290                         | 596                  | 1.5                          | 3,595                         | -                     | -                            | -                             | -               | *                            | *                             |
| Hundene                 | 596             | 4,290                         | 596                  | 1.5                          | 3,595                         | -                     | -                            | -                             | -               | *                            | *                             |
| <b>Addis Ababa</b>      | 391             | 3,276                         | 373                  | 1.75                         | 2,968                         | *                     | -                            | -                             | *               | *                            | *                             |
| Zone 3                  | 139             | 836                           | 129                  | 1.78                         | 836                           | *                     | -                            | -                             | -               | -                            | -                             |
| Zone 6                  | 252             | 2,440                         | 244                  | 1.71                         | 2,132                         | -                     | -                            | -                             | *               | *                            | *                             |
| <b>Dire Dawa</b>        | 734             | 2,406                         | 734                  | 1.78                         | 2,406                         | -                     | -                            | -                             | -               | -                            | -                             |



TABLE 3 – 19: ESTIMATED NUMBERS OF BIRTHS, PURCHASES, AND ACQUIRED ANIMALS DURING THE REFERENCE PERIOD BY ZONE AND REGION

**a. Cattle**

| Geographic Area   | Number of Births |           |           | Number of Purchases |           |           | Acquired by any Other Means |         |         |
|-------------------|------------------|-----------|-----------|---------------------|-----------|-----------|-----------------------------|---------|---------|
|                   | Total            | Male      | Female    | Total               | Male      | Female    | Total                       | Male    | Female  |
| <b>Ethiopia</b>   | 7,497,839        | 3,649,538 | 3,848,301 | 2,890,817           | 1,733,422 | 1,157,394 | 446,418                     | 185,550 | 260,868 |
| <b>Tigray</b>     | 452,029          | 218,944   | 233,085   | 196,660             | 121,755   | 74,905    | 20,513                      | 10,445  | 10,068  |
| North West Tigray | 123,039          | 55,689    | 67,351    | 31,644              | 18,057    | 13,588    | 3,570                       | 1,953   | 1,617   |
| Central Tigray    | 86,101           | 44,671    | 41,431    | 48,736              | 33,350    | 15,386    | 7,703                       | 4,106   | 3,597   |
| Eastern Tigray    | 46,367           | 22,390    | 23,977    | 32,322              | 18,781    | 13,540    | *                           | *       | *       |
| Southern Tigray   | 100,846          | 48,778    | 52,068    | 67,392              | 43,649    | 23,743    | 6,494                       | 3,102   | 3,393   |
| Western Tigray    | 95,675           | 47,418    | 48,258    | 16,566              | 7,917     | 8,648     | 1,772                       | 891     | 881     |
| <b>Afar</b>       | 88,397           | 32,269    | 56,128    | 6,885               | 2,514     | 4,372     | *                           | *       | *       |
| Zone 1            | 33,402           | 10,896    | 22,506    | 572                 | 461       | 111       | 361                         | 49      | 312     |
| Zone 3            | 54,994           | 21,372    | 33,622    | 6,313               | 2,052     | 4,261     | *                           | *       | *       |
| <b>Amhara</b>     | 1,483,955        | 715,212   | 768,743   | 854,888             | 597,464   | 257,424   | 54,423                      | 23,749  | 30,674  |
| North Gondar      | 294,700          | 137,605   | 157,094   | 165,558             | *         | 32,913    | 8,568                       | 3,787   | 4,781   |
| South Gondar      | 173,026          | 85,282    | 87,744    | 71,298              | 40,611    | 30,688    | 2,883                       | *       | *       |
| North Wolo        | 134,978          | 66,123    | 68,856    | 87,727              | 57,708    | 30,019    | 5,320                       | 1,451   | 3,869   |
| South Wolo        | 215,296          | 109,870   | 105,427   | 147,561             | 102,936   | 44,626    | 7,056                       | 3,098   | 3,958   |
| North Shewa       | 142,019          | 72,663    | 69,355    | 121,910             | 93,191    | 28,719    | 7,144                       | 3,286   | 3,858   |
| East Gojam        | 140,617          | 62,885    | 77,732    | 88,227              | 56,783    | 31,444    | 5,992                       | 2,250   | 3,742   |
| West Gojam        | 171,282          | 83,486    | 87,796    | 99,636              | 70,350    | 29,285    | 11,088                      | 4,405   | 6,683   |
| Waghamera         | 43,756           | 20,505    | 23,251    | 7,677               | 5,780     | 1,898     | 1,094                       | 591     | *       |
| Awi               | 106,883          | 50,060    | 56,823    | 38,176              | 23,121    | 15,055    | 2,346                       | *       | 1,169   |
| Oromia            | 61,397           | 26,732    | 34,665    | 27,116              | 14,340    | 12,777    | 2,930                       | 1,936   | 994     |
| <b>Oromia</b>     | 3,518,956        | 1,726,771 | 1,792,184 | 1,140,097           | 693,830   | 446,267   | 198,262                     | 82,914  | 115,348 |
| West Wellega      | 216,263          | 99,273    | 116,990   | 85,857              | 51,279    | 34,578    | 4,659                       | 1,479   | 3,180   |
| East Wellega      | 243,391          | 118,974   | 124,417   | 63,302              | 34,925    | 28,377    | 3,336                       | *       | 2,137   |
| Illubabor         | 138,691          | 68,161    | 70,531    | 61,767              | 37,311    | 24,456    | 5,301                       | 2,255   | 3,047   |
| Jimma             | 328,488          | 162,743   | 165,745   | 120,590             | 84,259    | 36,331    | 33,973                      | 11,207  | 22,766  |
| West Shewa        | 286,983          | 137,001   | 149,982   | 113,816             | 67,583    | 46,234    | 27,457                      | 14,318  | 13,139  |
| North Shewa       | 207,787          | 102,548   | 105,239   | 105,036             | 63,936    | 41,100    | 29,523                      | 13,641  | 15,882  |
| East Shewa        | 259,687          | 124,992   | 134,696   | 73,372              | 50,878    | 22,494    | 9,574                       | 4,441   | 5,133   |
| Arsi              | 451,297          | 226,169   | 225,128   | 160,502             | 101,548   | 58,954    | 11,277                      | 3,897   | 7,379   |
| West Harerghe     | 190,018          | 97,653    | 92,365    | 65,940              | 37,665    | 28,275    | 14,736                      | 5,736   | 9,000   |
| East Harerghe     | 201,987          | 105,624   | 96,364    | 59,294              | 29,742    | 29,552    | 17,166                      | 7,780   | 9,386   |
| Bale              | 360,932          | 173,931   | 187,000   | 85,941              | 52,049    | 33,892    | 9,291                       | 2,913   | 6,378   |
| Borena            | 315,526          | 155,344   | 160,182   | 51,875              | 27,547    | 24,328    | 12,908                      | 4,734   | 8,174   |
| South West Shewa  | 117,249          | 54,225    | 63,023    | 58,692              | 38,871    | 19,822    | 15,864                      | 8,467   | 7,397   |
| Guji              | 200,656          | 100,133   | 100,523   | 34,112              | 16,239    | 17,873    | 3,198                       | 847     | 2,351   |

TABLE 3-19 - a CONT'D

| Geographic Area         | Number of Births |         |         | Number of Purchases |         |         | Acquired by any Other Means |        |        |
|-------------------------|------------------|---------|---------|---------------------|---------|---------|-----------------------------|--------|--------|
|                         | Total            | Male    | Female  | Total               | Male    | Female  | Total                       | Male   | Female |
| <b>Somale</b>           | 133,142          | 61,327  | 71,815  | 4,911               | 1,865   | 3,045   | 1,293                       | 492    | 801    |
| Shinele                 | 2,843            | 1,360   | 1,483   | 172                 | 45      | 127     | 80                          | 26     | 54     |
| Jijiga                  | 98,359           | 46,608  | 51,751  | 2,363               | *       | 1,505   | 816                         | 317    | 499    |
| Liben                   | 31,940           | 13,359  | 18,581  | 2,375               | 962     | 1,413   | 397                         | *      | 248    |
| <b>Benshangul-Gumuz</b> | 72,652           | 35,828  | 36,824  | 27,448              | 16,653  | 10,795  | 1,915                       | *      | 1,071  |
| Metekel                 | 49,501           | 23,495  | 26,006  | 13,926              | 8,222   | 5,704   | *                           | *      | *      |
| Asosa                   | 13,577           | 7,529   | 6,048   | 9,292               | 5,518   | 3,774   | *                           | -      | *      |
| Kemeshi                 | 9,574            | 4,805   | 4,769   | 4,230               | 2,913   | 1,317   | *                           | *      | *      |
| <b>SNNP</b>             | 1,726,500        | 848,054 | 878,446 | 653,970             | 295,680 | 358,290 | 165,359                     | 65,606 | 99,753 |
| Gurage                  | 179,394          | 85,682  | 93,712  | 72,465              | 21,804  | 50,661  | 16,959                      | 3,207  | 13,751 |
| Hadiya                  | 121,735          | 62,577  | 59,157  | 62,977              | 33,150  | 29,826  | 10,444                      | 5,728  | 4,717  |
| Kembata Tembaro         | 58,045           | 30,161  | 27,884  | 32,751              | 15,332  | 17,418  | 8,682                       | 3,375  | 5,306  |
| Sidama                  | 358,687          | 170,480 | 188,207 | 102,665             | 22,179  | 80,486  | 9,261                       | 2,137  | 7,125  |
| Gedio                   | 20,572           | 11,561  | 9,011   | 44,276              | 28,103  | 16,173  | 7,112                       | 4,118  | 2,993  |
| Wolayita                | 182,886          | 90,203  | 92,683  | 96,451              | 50,213  | 46,238  | 8,419                       | 3,835  | 4,584  |
| South Omo               | 100,982          | 47,055  | 53,926  | 11,780              | 5,686   | 6,093   | 13,670                      | 7,054  | 6,616  |
| Shaka                   | 23,436           | 11,704  | 11,732  | 8,428               | 4,109   | 4,319   | 2,581                       | 984    | 1,597  |
| Kaffa                   | 147,486          | 76,062  | 71,424  | 53,088              | 29,879  | 23,210  | 10,646                      | 3,889  | 6,757  |
| Gamo Gofa               | 193,837          | 96,087  | 97,749  | 59,756              | 29,141  | 30,615  | 30,085                      | 9,285  | 20,800 |
| Bench Maji              | 93,511           | 46,513  | 46,998  | 27,590              | 10,742  | 16,848  | 18,445                      | 6,410  | 12,036 |
| Yem Sp. Wereda          | 6,194            | 2,981   | 3,213   | 3,067               | 2,072   | 995     | 1,092                       | 459    | 633    |
| Amaro Sp. Wereda        | 16,220           | 8,580   | 7,639   | 5,463               | 3,749   | 1,713   | 431                         | 175    | *      |
| Burji Sp. Wereda        | 4,614            | 2,176   | 2,438   | 1,572               | 1,079   | 493     | *                           | -      | *      |
| Konso Sp. Wereda        | 14,513           | 6,651   | 7,862   | 4,999               | 3,169   | 1,830   | 4,470                       | 2,347  | 2,122  |
| Derashe Sp. Wereda      | 12,891           | 5,636   | 7,254   | 6,005               | 3,777   | 2,228   | 1,986                       | 707    | 1,279  |
| Dawro                   | 62,187           | 31,491  | 30,696  | 23,335              | 11,220  | 12,115  | 1,523                       | *      | *      |
| Basketo Sp. Wereda      | 5,058            | 2,166   | 2,892   | 2,287               | 1,130   | 1,157   | 1,127                       | 386    | 742    |
| Konta Sp. Wereda        | 13,485           | 7,115   | 6,370   | 5,071               | 2,739   | 2,331   | 697                         | 347    | 350    |
| Silte                   | 84,670           | 40,038  | 44,632  | 25,751              | 13,919  | 11,832  | 15,535                      | 9,040  | 6,495  |
| Alaba Sp. Wereda        | 26,099           | 13,133  | 12,966  | 4,194               | 2,487   | 1,707   | 2,178                       | 1,269  | 909    |
| <b>Harari</b>           | 8,886            | 4,600   | 4,286   | 2,415               | 1,398   | 1,017   | 960                         | 391    | 569    |
| Hundene                 | 8,886            | 4,600   | 4,286   | 2,415               | 1,398   | 1,017   | 960                         | 391    | 569    |
| <b>Addis Ababa</b>      | 3,355            | 1,567   | 1,788   | 1,942               | 1,512   | 430     | 61                          | 43     | 18     |
| Zone 3                  | 2,341            | 1,124   | 1,218   | 1,199               | 893     | 306     | 27                          | *      | 18     |
| Zone 6                  | 1,014            | 443     | 570     | 743                 | 619     | 124     | *                           | *      | -      |
| <b>Dire Dawa</b>        | 9,968            | 4,965   | 5,003   | 1,601               | 751     | 850     | 861                         | 310    | 552    |

**b. Sheep**

| Geographic Area   | Number of Births |           |           | Number of Purchases |           |           | Acquired by any Other Means |        |         |
|-------------------|------------------|-----------|-----------|---------------------|-----------|-----------|-----------------------------|--------|---------|
|                   | Total            | Male      | Female    | Total               | Male      | Female    | Total                       | Male   | Female  |
| <b>Ethiopia</b>   | 9,184,703        | 4,350,016 | 4,834,687 | 3,204,014           | 1,387,315 | 1,816,699 | 335,113                     | 61,719 | 273,394 |
| <b>Tigray</b>     | 332,172          | 154,329   | 177,843   | 124,396             | 26,900    | 97,496    | 3,661                       | 1,619  | 2,042   |
| North West Tigray | 35,707           | 17,829    | 17,878    | 4,653               | *         | 3,723     | -                           | -      | -       |
| Central Tigray    | 85,996           | 39,301    | 46,695    | 11,850              | 1,594     | 10,257    | *                           | *      | *       |
| Eastern Tigray    | 136,563          | 63,209    | 73,354    | 65,397              | 7,386     | 58,011    | 840                         | *      | *       |
| Southern Tigray   | 66,270           | 30,207    | 36,063    | 39,466              | 16,164    | 23,302    | *                           | *      | *       |
| Western Tigray    | *                | *         | 3,852     | 3,030               | *         | 2,204     | *                           | -      | *       |
| <b>Afar</b>       | 58,446           | 21,142    | 37,304    | 8,526               | 4,012     | 4,514     | 2,889                       | 994    | 1,894   |
| Zone 1            | 19,013           | 6,762     | 12,251    | 2,782               | 1,940     | 842       | *                           | *      | *       |
| Zone 3            | 39,432           | 14,380    | 25,053    | 5,744               | 2,072     | 3,672     | 2,778                       | 959    | 1,819   |
| <b>Amhara</b>     | 3,416,948        | 1,619,976 | 1,796,972 | 1,492,829           | 736,200   | 756,629   | 84,929                      | 11,362 | 73,566  |
| North Gonder      | 274,854          | 120,206   | 154,648   | 93,636              | 30,336    | 63,300    | *                           | *      | *       |
| South Gonder      | 384,304          | 177,119   | 207,184   | 89,820              | 24,018    | 65,802    | 8,116                       | *      | 7,505   |
| North Wolo        | 262,192          | 114,871   | 147,321   | 198,805             | *         | 68,377    | *                           | *      | *       |
| South Wolo        | 901,080          | 446,981   | 454,099   | 425,416             | 187,735   | *         | 13,184                      | *      | 11,059  |
| North Shewa       | 565,906          | 265,836   | 300,070   | 94,316              | 37,971    | 56,346    | 17,303                      | 1,062  | 16,241  |
| East Gojam        | 548,964          | 256,566   | 292,398   | 262,854             | 127,939   | 134,915   | 11,311                      | *      | 9,725   |
| West Gojam        | 277,988          | 138,485   | 139,503   | 191,590             | 118,286   | 73,303    | *                           | 993    | *       |
| Waghamera         | 26,152           | 13,423    | 12,730    | 4,210               | 1,594     | 2,615     | *                           | *      | *       |
| Awi               | 165,851          | 81,567    | 84,284    | 115,817             | 66,194    | 49,623    | 4,216                       | *      | 3,470   |
| Oromia            | 9,657            | 4,921     | 4,736     | 16,366              | 11,699    | 4,667     | *                           | -      | *       |
| <b>Oromia</b>     | 3,757,392        | 1,812,574 | 1,944,819 | 1,107,135           | 478,912   | 628,224   | 133,070                     | 27,369 | 105,701 |
| West Wellega      | 190,969          | 88,650    | 102,319   | 45,385              | 7,084     | 38,301    | *                           | *      | *       |
| East Wellega      | 180,476          | 83,500    | 96,976    | 30,037              | 5,449     | 24,588    | *                           | *      | *       |
| Illubabor         | 166,036          | 81,213    | 84,823    | 41,265              | 15,076    | 26,189    | 3,555                       | *      | 3,381   |
| Jimma             | 345,044          | 177,205   | 167,839   | 145,651             | 53,576    | 92,075    | 32,640                      | 2,711  | 29,928  |
| West Shewa        | 491,489          | 243,423   | 248,067   | 95,527              | 27,137    | 68,389    | 18,768                      | *      | 17,702  |
| North Shewa       | 558,891          | 262,064   | 296,827   | 317,065             | 231,529   | 85,536    | 35,730                      | *      | 19,346  |
| East Shewa        | 170,118          | 76,605    | 93,513    | 40,655              | 10,209    | 30,446    | *                           | *      | 1,976   |
| Arsi              | 881,410          | 429,836   | 451,574   | 157,809             | 33,625    | 124,185   | 10,310                      | 1,709  | 8,601   |
| West Harerghe     | 67,343           | 35,569    | 31,774    | 24,044              | 7,023     | 17,021    | *                           | -      | *       |
| East Harerghe     | 118,562          | 63,153    | 55,409    | 33,335              | 16,478    | 16,857    | 8,525                       | *      | 7,557   |
| Bale              | 328,351          | 147,412   | 180,939   | 69,675              | 20,873    | 48,801    | 10,368                      | *      | 8,435   |
| Borena            | 83,634           | 37,929    | 45,705    | 20,081              | 4,825     | 15,256    | 1,260                       | *      | 877     |
| South West Shewa  | 67,277           | 33,005    | 34,272    | 51,680              | 36,411    | 15,269    | 3,606                       | *      | 2,912   |
| Guji              | 107,792          | 53,012    | 54,780    | 34,926              | 9,617     | 25,309    | -                           | -      | -       |

TABLE 3-19 - b CONT'D

| Geographic Area         | Number of Births |         |         | Number of Purchases |         |         | Acquired by any Other Means |        |        |
|-------------------------|------------------|---------|---------|---------------------|---------|---------|-----------------------------|--------|--------|
|                         | Total            | Male    | Female  | Total               | Male    | Female  | Total                       | Male   | Female |
| <b>Somale</b>           | 189,459          | 91,482  | 97,977  | 10,111              | 2,530   | 7,581   | 1,346                       | 391    | 955    |
| Shinele                 | 11,728           | 4,849   | 6,879   | 1,007               | 780     | 227     | 365                         | 120    | 245    |
| Jijiga                  | 129,470          | 66,468  | 63,002  | 6,197               | 962     | 5,236   | *                           | *      | *      |
| Liben                   | 48,261           | 20,164  | 28,096  | 2,907               | 788     | 2,119   | 646                         | *      | *      |
| <b>Benshangul-Gumuz</b> | 33,800           | 16,025  | 17,775  | 16,271              | 5,673   | 10,598  | *                           | -      | *      |
| Metekel                 | 17,905           | 9,021   | 8,884   | 10,277              | 4,352   | 5,925   | *                           | -      | *      |
| Asosa                   | 9,393            | 4,096   | 5,296   | 2,947               | 462     | 2,486   | -                           | -      | -      |
| Kemeshi                 | 6,502            | 2,908   | 3,594   | 3,046               | 859     | 2,188   | *                           | -      | *      |
| <b>SNNP</b>             | 1,370,932        | 623,615 | 747,318 | 437,092             | 127,242 | 309,851 | 107,526                     | 19,445 | 88,082 |
| Gurage                  | 133,758          | 62,412  | 71,346  | 40,273              | 12,826  | 27,447  | 6,916                       | *      | 5,855  |
| Hadiya                  | 98,611           | 46,255  | 52,356  | 39,188              | 5,601   | 33,587  | 10,182                      | *      | 9,639  |
| Kembata Tembaro         | 40,341           | 16,257  | 24,084  | 22,075              | 12,167  | 9,908   | 8,442                       | 2,084  | 6,358  |
| Sidama                  | 164,544          | 65,573  | 98,971  | 55,880              | 7,597   | 48,283  | 3,581                       | *      | 2,672  |
| Gedio                   | 71,078           | 33,185  | 37,893  | 38,590              | 9,004   | 29,587  | *                           | *      | 843    |
| Wolayita                | 53,915           | 24,403  | 29,512  | 37,831              | 12,003  | 25,829  | 3,159                       | *      | 2,757  |
| South Omo               | 125,467          | 53,563  | 71,904  | 10,159              | 3,533   | 6,625   | 12,043                      | 1,481  | 10,562 |
| Shaka                   | 26,191           | 14,276  | 11,915  | 11,711              | 4,227   | 7,485   | 773                         | *      | 618    |
| Kaffa                   | 195,287          | 94,698  | 100,589 | 34,719              | 13,917  | 20,802  | 9,764                       | *      | 9,474  |
| Gamo Gofa               | 154,573          | 60,173  | 94,399  | 36,960              | 12,490  | 24,470  | 25,575                      | 2,835  | 22,741 |
| Bench Maji              | 79,272           | 36,519  | 42,753  | 20,440              | 5,427   | 15,014  | 6,821                       | *      | 6,514  |
| Yem Sp. Wereda          | 9,512            | 4,862   | 4,650   | 1,985               | 393     | 1,592   | 292                         | *      | 226    |
| Amaro Sp. Wereda        | 14,952           | 6,992   | 7,960   | 2,614               | 1,145   | 1,468   | -                           | -      | -      |
| Burji Sp. Wereda        | 1,082            | 518     | 564     | 240                 | *       | 200     | -                           | -      | -      |
| Konso Sp. Wereda        | 20,675           | 9,953   | 10,722  | 5,718               | 2,067   | 3,650   | 3,913                       | 947    | 2,966  |
| Derashe Sp. Wereda      | 3,143            | 1,420   | 1,723   | 1,595               | 486     | 1,110   | 318                         | *      | 213    |
| Dawro                   | 40,074           | 19,854  | 20,221  | 23,887              | 8,723   | 15,163  | *                           | -      | *      |
| Basketo Sp. Wereda      | 4,769            | 2,262   | 2,507   | 1,600               | 190     | 1,410   | 595                         | 93     | 502    |
| Konta Sp. Wereda        | 5,703            | 2,954   | 2,750   | 5,224               | 2,591   | 2,633   | 861                         | *      | 580    |
| Silte                   | 105,318          | 52,868  | 52,450  | 34,854              | 12,453  | 22,401  | 5,183                       | *      | 4,783  |
| Alaba Sp. Wereda        | 22,666           | 14,617  | 8,049   | *                   | 361     | *       | *                           | *      | 590    |
| <b>Harari</b>           | 1,217            | 550     | 667     | 609                 | 339     | 269     | 82                          | *      | *      |
| Hundene                 | 1,217            | 550     | 667     | 609                 | 339     | 269     | 82                          | *      | *      |
| <b>Addis Ababa</b>      | 4,202            | 1,766   | 2,436   | 4,329               | 3,764   | 565     | 63                          | *      | *      |
| Zone 3                  | 3,087            | 1,337   | 1,750   | 3,357               | 2,956   | 401     | 28                          | *      | *      |
| Zone 6                  | 1,115            | 429     | 686     | 971                 | 808     | 163     | *                           | *      | -      |
| <b>Dire Dawa</b>        | 20,136           | 8,559   | 11,578  | 2,716               | 1,744   | 972     | 1,362                       | 454    | 908    |

### c. Goats

| Geographic Area   | Number of Births |           |           | Number of Purchases |         |           | Acquired by any Other Means |        |         |
|-------------------|------------------|-----------|-----------|---------------------|---------|-----------|-----------------------------|--------|---------|
|                   | Total            | Male      | Female    | Total               | Male    | Female    | Total                       | Male   | Female  |
| <b>Ethiopia</b>   | 6,926,625        | 3,247,652 | 3,678,973 | 1,433,371           | 384,238 | 1,049,132 | 177,764                     | 36,052 | 141,712 |
| <b>Tigray</b>     | 933,673          | 413,757   | 519,916   | 212,603             | 23,909  | 188,695   | 7,705                       | 1,967  | 5,737   |
| North West Tigray | 299,513          | 127,437   | 172,076   | 64,579              | 4,890   | 59,689    | 2,390                       | *      | 1,945   |
| Central Tigray    | 352,960          | 162,559   | 190,401   | 67,510              | 8,209   | 59,300    | *                           | *      | *       |
| Eastern Tigray    | 62,951           | 29,774    | 33,177    | 17,518              | 1,602   | 15,916    | *                           | *      | *       |
| Southern Tigray   | 122,660          | 51,602    | 71,058    | 44,811              | 5,646   | 39,164    | *                           | *      | 1,511   |
| Western Tigray    | 95,589           | 42,385    | 53,203    | 18,186              | 3,561   | 14,625    | 882                         | *      | 815     |
| <b>Afar</b>       | 153,382          | 54,184    | 99,198    | 12,225              | 5,927   | 6,297     | 4,558                       | 687    | 3,871   |
| Zone 1            | 41,665           | 13,890    | 27,775    | 2,516               | 1,142   | 1,373     | 907                         | *      | 713     |
| Zone 3            | 111,717          | 40,294    | 71,423    | 9,709               | 4,785   | 4,924     | 3,651                       | 493    | 3,158   |
| <b>Amhara</b>     | 2,268,483        | 1,097,665 | 1,170,818 | 539,857             | 171,867 | 367,990   | 39,605                      | 8,869  | 30,736  |
| North Gondar      | 569,178          | 259,190   | 309,988   | 103,993             | 24,273  | 79,720    | 6,664                       | 2,089  | 4,575   |
| South Gondar      | 284,237          | 144,896   | 139,341   | 64,861              | 14,321  | 50,540    | *                           | *      | *       |
| North Wolo        | 272,395          | 130,578   | 141,817   | 83,512              | 23,554  | 59,958    | *                           | *      | *       |
| South Wolo        | 293,650          | 144,347   | 149,304   | 86,414              | 29,908  | 56,505    | *                           | *      | *       |
| North Shewa       | 279,436          | 147,627   | 131,809   | 45,265              | 20,689  | 24,576    | 6,514                       | *      | 5,969   |
| East Gojam        | 123,369          | 58,986    | 64,383    | 40,271              | 17,372  | 22,899    | 5,843                       | *      | 4,023   |
| West Gojam        | 144,547          | 71,564    | 72,983    | 46,880              | 21,807  | 25,073    | *                           | -      | *       |
| Waghamera         | 157,153          | 69,502    | 87,652    | 27,744              | 6,673   | 21,071    | *                           | *      | *       |
| Awi               | 69,025           | 37,213    | 31,812    | 20,168              | 10,337  | 9,831     | *                           | -      | *       |
| Oromia            | 75,491           | 33,763    | 41,729    | 20,750              | 2,933   | 17,817    | 1,608                       | *      | 1,145   |
| <b>Oromia</b>     | 2,321,226        | 1,106,239 | 1,214,987 | 447,686             | 132,524 | 315,162   | 77,633                      | 16,027 | 61,607  |
| West Wellega      | 56,468           | 26,085    | 30,383    | 13,863              | *       | 12,319    | -                           | -      | -       |
| East Wellega      | 71,976           | 31,561    | 40,414    | 9,380               | 1,892   | 7,488     | -                           | -      | -       |
| Illubabor         | 56,922           | 29,646    | 27,276    | 11,316              | 3,298   | 8,018     | *                           | -      | *       |
| Jimma             | 100,880          | 47,763    | 53,117    | 25,159              | 3,934   | 21,224    | 5,788                       | *      | 5,484   |
| West Shewa        | 113,369          | 50,768    | 62,600    | 23,387              | 5,905   | 17,482    | 3,195                       | -      | 3,195   |
| North Shewa       | 85,979           | 45,304    | 40,674    | 24,223              | 7,201   | 17,022    | *                           | *      | *       |
| East Shewa        | 269,526          | 115,206   | 154,320   | 25,594              | 7,628   | 17,966    | *                           | *      | *       |
| Arsi              | 198,129          | 100,155   | 97,974    | 58,520              | 20,188  | 38,332    | 3,986                       | 1,354  | 2,632   |
| West Harerghe     | 299,389          | 152,173   | 147,216   | 70,366              | 23,434  | 46,931    | 19,359                      | *      | 12,096  |
| East Harerghe     | 330,618          | 171,081   | 159,537   | 71,398              | 35,513  | 35,885    | 19,489                      | *      | 16,638  |
| Bale              | 302,180          | 150,952   | 151,228   | 50,296              | 5,163   | 45,133    | 8,026                       | 1,271  | 6,755   |
| Borena            | 261,715          | 105,180   | 156,535   | 27,299              | 4,881   | 22,418    | 5,761                       | *      | 4,461   |
| South West Shewa  | 80,948           | 39,277    | 41,672    | 19,417              | 8,591   | 10,825    | 1,363                       | *      | 1,230   |
| Guji              | 93,127           | 41,088    | 52,039    | 17,468              | 3,352   | 14,116    | *                           | *      | *       |

TABLE 3-19 - c CONT'D

| Geographic Area         | Number of Births |         |         | Number of Purchases |        |         | Acquired by any Other Means |       |        |
|-------------------------|------------------|---------|---------|---------------------|--------|---------|-----------------------------|-------|--------|
|                         | Total            | Male    | Female  | Total               | Male   | Female  | Total                       | Male  | Female |
| <b>Somale</b>           | 214,498          | 93,652  | 120,846 | 11,149              | 2,353  | 8,795   | 1,583                       | *     | 1,141  |
| Shinele                 | 29,106           | 11,022  | 18,084  | 976                 | 596    | 380     | 474                         | 127   | 347    |
| Jijiga                  | 115,073          | 56,031  | 59,042  | 6,030               | *      | 4,951   | *                           | *     | *      |
| Liben                   | 70,319           | 26,599  | 43,720  | 4,142               | 679    | 3,464   | 690                         | *     | 664    |
| <b>Benshangul-Gumuz</b> | 201,449          | 89,658  | 111,792 | 38,346              | 8,852  | 29,494  | 1,568                       | 723   | 845    |
| Metekel                 | 57,878           | 29,291  | 28,587  | 15,817              | 6,149  | 9,668   | *                           | *     | *      |
| Asosa                   | 114,287          | 47,756  | 66,531  | 18,008              | 2,051  | 15,956  | *                           | *     | *      |
| Kemeshi                 | 29,284           | 12,611  | 16,674  | 4,521               | 651    | 3,869   | *                           | *     | 269    |
| <b>SNNP</b>             | 772,910          | 364,681 | 408,229 | 165,361             | 36,482 | 128,879 | 41,339                      | 6,747 | 34,592 |
| Gurage                  | 48,911           | 25,955  | 22,956  | 16,493              | 2,656  | 13,838  | 3,150                       | -     | 3,150  |
| Hadiya                  | 48,278           | 21,942  | 26,335  | 14,041              | 2,294  | 11,747  | 2,194                       | -     | 2,194  |
| Kembata Tembaro         | 15,008           | 5,969   | 9,039   | 8,347               | 2,059  | 6,288   | 2,233                       | *     | 2,121  |
| Sidama                  | 71,942           | 36,614  | 35,328  | 21,780              | 4,920  | 16,860  | *                           | -     | *      |
| Gedio                   | 3,835            | 1,325   | 2,510   | 1,362               | *      | *       | -                           | -     | -      |
| Wolayita                | 41,190           | 17,789  | 23,401  | 18,757              | 3,773  | 14,984  | *                           | *     | *      |
| South Omo               | 193,757          | 79,598  | 114,159 | 8,813               | 1,403  | 7,411   | 3,318                       | 645   | 2,673  |
| Shaka                   | 5,075            | 2,362   | 2,712   | 1,833               | 751    | 1,082   | *                           | -     | *      |
| Kaffa                   | 50,785           | 23,696  | 27,089  | 10,738              | 2,873  | 7,866   | 3,632                       | *     | 2,411  |
| Gamo Gofa               | 84,771           | 42,842  | 41,929  | 23,763              | 5,638  | 18,125  | 4,849                       | *     | 3,650  |
| Bench Maji              | 15,730           | 8,708   | 7,022   | 4,554               | 1,543  | 3,010   | 1,333                       | -     | 1,333  |
| Yem Sp. Wereda          | 8,147            | 3,638   | 4,509   | 406                 | *      | 334     | 584                         | *     | 482    |
| Amaro Sp. Wereda        | 15,780           | 8,180   | 7,600   | 2,563               | 561    | 2,003   | *                           | *     | *      |
| Burji Sp. Wereda        | 8,000            | 3,947   | 4,053   | 1,141               | 203    | 937     | -                           | -     | -      |
| Konso Sp. Wereda        | 41,138           | 20,111  | 21,027  | 5,816               | 1,407  | 4,409   | 5,458                       | 1,040 | 4,419  |
| Derashe Sp. Wereda      | 20,647           | 9,923   | 10,724  | 5,578               | 1,000  | 4,577   | 2,142                       | 348   | 1,794  |
| Dawro                   | 18,432           | 9,077   | 9,355   | 6,501               | 2,351  | 4,150   | *                           | -     | *      |
| Basketo Sp. Wereda      | 1,440            | 707     | 733     | 440                 | *      | 383     | 140                         | *     | 120    |
| Konta Sp. Wereda        | 4,578            | 2,465   | 2,112   | 1,515               | 589    | 926     | *                           | -     | *      |
| Silte                   | 54,825           | 29,646  | 25,180  | 9,271               | 1,588  | 7,683   | 6,292                       | *     | 5,143  |
| Alaba Sp. Wereda        | 20,642           | 10,186  | 10,455  | 1,649               | *      | 1,429   | 1,526                       | *     | 1,111  |
| <b>Harari</b>           | 13,040           | 6,449   | 6,591   | 1,657               | 322    | 1,335   | 1,021                       | 113   | 908    |
| Hundene                 | 13,040           | 6,449   | 6,591   | 1,657               | 322    | 1,335   | 1,021                       | 113   | 908    |
| <b>Addis Ababa</b>      | 2,118            | 974     | 1,144   | 426                 | 247    | 179     | *                           | *     | -      |
| Zone 3                  | 1,409            | 608     | 802     | 364                 | 194    | 170     | *                           | *     | -      |
| Zone 6                  | 709              | 367     | 343     | *                   | *      | *       | -                           | -     | -      |
| <b>Dire Dawa</b>        | 45,847           | 20,394  | 25,454  | 4,061               | 1,754  | 2,307   | 2,725                       | 452   | 2,273  |

#### d. Horses

| Geographic Area   | Number of Births |        |        | Number of Purchases |         |        | Acquired by any Other Means |       |        |
|-------------------|------------------|--------|--------|---------------------|---------|--------|-----------------------------|-------|--------|
|                   | Total            | Male   | Female | Total               | Male    | Female | Total                       | Male  | Female |
| <b>Ethiopia</b>   | 134,052          | 67,405 | 66,647 | 251,043             | 155,178 | 95,865 | 13,368                      | 3,369 | 9,999  |
| <b>Tigray</b>     | *                | -      | *      | 1,602               | *       | 969    | -                           | -     | -      |
| North West Tigray | *                | -      | *      | -                   | -       | -      | -                           | -     | -      |
| Central Tigray    | *                | -      | *      | *                   | -       | *      | -                           | -     | -      |
| Eastern Tigray    | -                | -      | -      | 449                 | *       | *      | -                           | -     | -      |
| Southern Tigray   | -                | -      | -      | *                   | *       | *      | -                           | -     | -      |
| Western Tigray    | *                | -      | *      | -                   | -       | -      | -                           | -     | -      |
| <b>Afar</b>       | *                | -      | *      | *                   | -       | *      | -                           | -     | -      |
| Zone 1            | -                | -      | -      | -                   | -       | -      | -                           | -     | -      |
| Zone 3            | *                | -      | *      | *                   | -       | *      | -                           | -     | -      |
| <b>Amhara</b>     | 27,901           | 13,886 | 14,015 | 46,654              | 23,247  | 23,407 | 1,677                       | *     | *      |
| North Gondar      | *                | *      | *      | 6,979               | 3,050   | *      | -                           | -     | -      |
| South Gondar      | *                | *      | *      | 2,309               | 1,400   | *      | *                           | -     | *      |
| North Wolo        | *                | *      | *      | *                   | *       | *      | -                           | -     | -      |
| South Wolo        | 2,175            | *      | *      | 6,918               | *       | 4,606  | *                           | -     | *      |
| North Shewa       | 6,290            | 3,266  | *      | 6,261               | 3,561   | *      | -                           | -     | -      |
| East Gojam        | 7,959            | 3,478  | 4,481  | 4,541               | 2,766   | *      | *                           | -     | *      |
| West Gojam        | *                | *      | *      | 5,306               | 1,767   | 3,539  | *                           | -     | *      |
| Waghamera         | *                | *      | -      | *                   | *       | *      | -                           | -     | -      |
| Awi               | 2,673            | *      | 1,637  | 11,309              | 6,459   | 4,850  | *                           | *     | -      |
| Oromia            | *                | -      | *      | *                   | *       | -      | -                           | -     | -      |
| <b>Oromia</b>     | 79,751           | 39,494 | 40,257 | 172,684             | 114,126 | 58,558 | 7,410                       | 1,769 | 5,641  |
| West Wellega      | *                | -      | *      | *                   | *       | *      | -                           | -     | -      |
| East Wellega      | *                | *      | *      | *                   | 2,229   | *      | -                           | -     | -      |
| Illubabor         | 3,455            | 2,037  | 1,418  | 6,522               | *       | 2,152  | -                           | -     | -      |
| Jimma             | 8,025            | 4,115  | 3,911  | 11,620              | 6,090   | 5,531  | *                           | *     | *      |
| West Shewa        | 9,950            | 3,796  | 6,154  | *                   | *       | *      | 1,319                       | *     | *      |
| North Shewa       | 11,852           | 5,867  | 5,985  | 17,319              | 5,815   | *      | *                           | *     | *      |
| East Shewa        | *                | *      | -      | 2,102               | 1,693   | *      | -                           | -     | -      |
| Arsi              | 22,253           | 10,295 | 11,958 | 17,330              | 8,299   | 9,031  | *                           | *     | *      |
| West Harerghe     | -                | -      | -      | -                   | -       | -      | -                           | -     | -      |
| East Harerghe     | *                | *      | *      | *                   | *       | -      | -                           | -     | -      |
| Bale              | 14,584           | 8,067  | 6,517  | 11,020              | 6,992   | 4,028  | *                           | *     | *      |
| Borena            | -                | -      | -      | 1,279               | 596     | *      | -                           | -     | -      |
| South West Shewa  | 1,353            | 809    | *      | *                   | *       | *      | *                           | -     | *      |
| Guji              | 5,040            | 3,190  | 1,850  | 6,361               | 3,329   | 3,032  | *                           | *     | -      |





**e. Donkeys**

| Geographic Area   | Number of Births |         |         | Number of Purchases |         |         | Acquired by any Other Means |       |        |
|-------------------|------------------|---------|---------|---------------------|---------|---------|-----------------------------|-------|--------|
|                   | Total            | Male    | Female  | Total               | Male    | Female  | Total                       | Male  | Female |
| <b>Ethiopia</b>   | 353,434          | 180,192 | 173,243 | 426,720             | 243,146 | 183,574 | 19,005                      | 6,507 | 12,498 |
| <b>Tigray</b>     | 26,973           | 14,783  | 12,189  | 44,945              | 29,343  | 15,602  | *                           | *     | -      |
| North West Tigray | 4,985            | 3,001   | 1,984   | 4,077               | 1,892   | 2,185   | -                           | -     | -      |
| Central Tigray    | 9,669            | 4,917   | 4,753   | 9,507               | 5,515   | 3,992   | -                           | -     | -      |
| Eastern Tigray    | 5,830            | 3,355   | 2,475   | 10,915              | 5,657   | 5,258   | -                           | -     | -      |
| Southern Tigray   | 5,096            | 2,906   | 2,190   | 16,472              | 13,118  | 3,354   | *                           | *     | -      |
| Western Tigray    | 1,392            | *       | *       | 3,974               | 3,161   | 813     | -                           | -     | -      |
| <b>Afar</b>       | 593              | 302     | 291     | 997                 | 557     | 440     | *                           | *     | *      |
| Zone 1            | -                | -       | -       | 77                  | 65      | *       | -                           | -     | -      |
| Zone 3            | 593              | 302     | 291     | 921                 | 492     | 428     | *                           | *     | *      |
| <b>Amhara</b>     | 135,699          | 64,344  | 71,355  | 166,073             | 81,784  | 84,289  | 4,110                       | *     | 3,188  |
| North Gondar      | 13,710           | 5,213   | 8,497   | 31,977              | 17,352  | 14,625  | -                           | -     | -      |
| South Gondar      | 16,576           | 6,395   | 10,181  | 17,124              | 7,589   | 9,535   | *                           | *     | -      |
| North Wolo        | 11,816           | 6,371   | 5,445   | 16,156              | 5,297   | 10,859  | *                           | *     | *      |
| South Wolo        | 17,653           | 7,834   | 9,818   | 28,128              | 15,152  | 12,975  | *                           | *     | *      |
| North Shewa       | 24,841           | 14,466  | 10,375  | 26,479              | 14,920  | 11,559  | *                           | -     | *      |
| East Gojam        | 20,258           | 8,483   | 11,775  | 20,526              | 11,662  | 8,864   | -                           | -     | -      |
| West Gojam        | 20,053           | 9,443   | 10,610  | 15,689              | 5,360   | 10,329  | -                           | -     | -      |
| Waghamera         | 1,578            | 1,044   | 534     | 2,592               | 1,358   | 1,234   | -                           | -     | -      |
| Awi               | 6,244            | 3,535   | 2,709   | 5,185               | 2,234   | 2,951   | -                           | -     | -      |
| Oromia            | 2,970            | 1,559   | 1,411   | 2,217               | *       | 1,358   | -                           | -     | -      |
| <b>Oromia</b>     | 161,697          | 86,917  | 74,780  | 166,479             | 98,727  | 67,752  | 10,133                      | 2,838 | 7,294  |
| West Wellega      | 7,787            | 5,681   | 2,106   | 15,553              | 9,513   | 6,040   | *                           | *     | -      |
| East Wellega      | 9,075            | 4,596   | 4,479   | 15,259              | *       | 5,068   | *                           | -     | *      |
| Illubabor         | *                | *       | *       | *                   | *       | -       | -                           | -     | -      |
| Jimma             | 3,385            | 2,370   | *       | 3,094               | 2,442   | *       | *                           | -     | *      |
| West Shewa        | 14,487           | 8,130   | 6,357   | 14,182              | 9,017   | 5,164   | *                           | -     | *      |
| North Shewa       | 18,552           | 10,227  | 8,325   | 14,631              | 7,452   | 7,179   | *                           | *     | *      |
| East Shewa        | 20,058           | 8,630   | 11,428  | 21,284              | 11,793  | 9,490   | *                           | *     | *      |
| Arsi              | 32,400           | 16,238  | 16,162  | 21,429              | 11,299  | 10,130  | *                           | *     | *      |
| West Harerghe     | 11,623           | 8,194   | 3,430   | 11,453              | 7,855   | 3,598   | 2,232                       | *     | *      |
| East Harerghe     | 6,601            | 1,983   | 4,618   | 9,696               | 6,722   | 2,974   | 1,825                       | *     | 1,217  |
| Bale              | 20,783           | 12,357  | 8,426   | 14,025              | 7,762   | 6,262   | *                           | -     | *      |
| Borena            | 5,868            | 2,705   | 3,163   | 8,960               | *       | 2,694   | *                           | *     | *      |
| South West Shewa  | 8,545            | 4,067   | 4,478   | 13,426              | 6,648   | 6,778   | *                           | -     | *      |
| Guji              | *                | *       | *       | 2,703               | *       | *       | -                           | -     | -      |

TABLE 3-19 - e CONT'D

| Geographic Area         | Number of Births |       |        | Number of Purchases |        |        | Acquired by any Other Means |       |        |
|-------------------------|------------------|-------|--------|---------------------|--------|--------|-----------------------------|-------|--------|
|                         | Total            | Male  | Female | Total               | Male   | Female | Total                       | Male  | Female |
| <b>Somale</b>           | 3,181            | 1,594 | 1,587  | 1,145               | 549    | 597    | 287                         | *     | *      |
| Shinele                 | 166              | 110   | 56     | 10                  | -      | 10     | 10                          | -     | 10     |
| Jijiga                  | 2,473            | 1,222 | 1,251  | 640                 | *      | 356    | *                           | -     | *      |
| Liben                   | 543              | 263   | 280    | 496                 | *      | 231    | *                           | *     | *      |
| <b>Benshangul-Gumuz</b> | 3,411            | 1,992 | 1,419  | 9,673               | 7,890  | 1,783  | *                           | *     | -      |
| Metekel                 | 957              | 708   | *      | 4,404               | 3,851  | *      | *                           | *     | -      |
| Asosa                   | 1,980            | 975   | 1,005  | 2,567               | 1,596  | 971    | *                           | *     | -      |
| Kemeshi                 | 474              | 309   | 165    | 2,702               | 2,443  | 259    | -                           | -     | -      |
| <b>SNNP</b>             | 20,951           | 9,773 | 11,178 | 36,276              | 23,578 | 12,699 | 3,693                       | 2,063 | 1,630  |
| Gurage                  | 3,168            | *     | 1,804  | 4,607               | 3,427  | *      | *                           | *     | *      |
| Hadiya                  | 4,940            | 1,754 | 3,186  | 3,732               | *      | 2,854  | *                           | *     | *      |
| Kembata Tembaro         | 767              | *     | *      | 4,526               | 4,187  | *      | *                           | *     | -      |
| Sidama                  | 2,553            | *     | *      | 7,419               | 4,937  | 2,482  | *                           | *     | -      |
| Gedio                   | *                | *     | -      | *                   | *      | -      | -                           | -     | -      |
| Wolayita                | *                | *     | *      | 4,516               | 3,435  | *      | *                           | -     | *      |
| South Omo               | 880              | *     | 448    | *                   | *      | -      | -                           | -     | -      |
| Shaka                   | -                | -     | -      | *                   | *      | *      | -                           | -     | -      |
| Kaffa                   | *                | *     | *      | *                   | *      | -      | -                           | -     | -      |
| Gamo Gofa               | *                | -     | *      | 2,282               | 1,437  | *      | *                           | -     | *      |
| Bench Maji              | -                | -     | -      | -                   | -      | -      | -                           | -     | -      |
| Yem Sp. Wereda          | 93               | *     | *      | 197                 | *      | 123    | *                           | *     | -      |
| Amaro Sp. Wereda        | *                | *     | -      | *                   | *      | -      | -                           | -     | -      |
| Burji Sp. Wereda        | 257              | 111   | 146    | 306                 | 187    | 119    | -                           | -     | -      |
| Konso Sp. Wereda        | 439              | *     | 275    | *                   | *      | *      | *                           | *     | *      |
| Derashe Sp. Wereda      | 327              | *     | 180    | 840                 | 655    | 185    | -                           | -     | -      |
| Dawro                   | *                | *     | *      | *                   | 370    | *      | -                           | -     | -      |
| Basketo Sp. Wereda      | -                | -     | -      | *                   | *      | -      | -                           | -     | -      |
| Konta Sp. Wereda        | -                | -     | -      | -                   | -      | -      | -                           | -     | -      |
| Silte                   | 3,884            | 1,705 | 2,179  | 3,971               | 1,400  | 2,570  | *                           | *     | *      |
| Alaba Sp. Wereda        | 1,747            | 909   | 838    | 810                 | *      | 613    | 374                         | *     | 322    |
| <b>Harari</b>           | 359              | *     | 174    | 206                 | 170    | *      | *                           | *     | -      |
| Hundene                 | 359              | *     | 174    | 206                 | 170    | *      | *                           | *     | -      |
| <b>Addis Ababa</b>      | 126              | *     | 62     | 473                 | 424    | *      | 31                          | *     | *      |
| Zone 3                  | *                | -     | *      | 393                 | 371    | *      | 31                          | *     | *      |
| Zone 6                  | *                | *     | *      | 80                  | 53     | *      | -                           | -     | -      |
| <b>Dire Dawa</b>        | 445              | 237   | 209    | 452                 | *      | *      | 298                         | 146   | 151    |



TABLE 3-19 - f CONT'D

| Geographic Area         | Number of Births |       |        | Number of Purchases |       |        | Acquired by any Other Means |      |        |
|-------------------------|------------------|-------|--------|---------------------|-------|--------|-----------------------------|------|--------|
|                         | Total            | Male  | Female | Total               | Male  | Female | Total                       | Male | Female |
| <b>Somale</b>           | *                | *     | -      | -                   | -     | -      | -                           | -    | -      |
| Shinele                 | -                | -     | -      | -                   | -     | -      | -                           | -    | -      |
| Jijiga                  | *                | *     | -      | -                   | -     | -      | -                           | -    | -      |
| Liben                   | -                | -     | -      | -                   | -     | -      | -                           | -    | -      |
| <b>Benshangul-Gumuz</b> | -                | -     | -      | 430                 | *     | *      | -                           | -    | -      |
| Metekel                 | -                | -     | -      | 325                 | *     | *      | -                           | -    | -      |
| Asosa                   | -                | -     | -      | *                   | *     | -      | -                           | -    | -      |
| Kemeshi                 | -                | -     | -      | *                   | -     | *      | -                           | -    | -      |
| <b>SNNP</b>             | 2,635            | 1,497 | 1,138  | 11,345              | 8,288 | 3,057  | *                           | *    | *      |
| Gurage                  | *                | -     | *      | *                   | -     | *      | -                           | -    | -      |
| Hadiya                  | -                | -     | -      | 1,150               | 991   | *      | *                           | *    | -      |
| Kembata Tembaro         | *                | *     | *      | *                   | *     | -      | -                           | -    | -      |
| Sidama                  | -                | -     | -      | *                   | -     | *      | -                           | -    | -      |
| Gedio                   | *                | -     | *      | 1,777               | 1,292 | 485    | -                           | -    | -      |
| Wolayita                | -                | -     | -      | *                   | *     | -      | -                           | -    | -      |
| South Omo               | -                | -     | -      | *                   | *     | *      | -                           | -    | -      |
| Shaka                   | -                | -     | -      | -                   | -     | -      | *                           | -    | *      |
| Kaffa                   | *                | *     | *      | 2,174               | 2,024 | *      | -                           | -    | -      |
| Gamo Gofa               | *                | *     | -      | 1,126               | *     | *      | -                           | -    | -      |
| Bench Maji              | -                | -     | -      | *                   | *     | *      | -                           | -    | -      |
| Yem Sp. Wereda          | -                | -     | -      | -                   | -     | -      | -                           | -    | -      |
| Amaro Sp. Wereda        | -                | -     | -      | -                   | -     | -      | -                           | -    | -      |
| Burji Sp. Wereda        | -                | -     | -      | -                   | -     | -      | -                           | -    | -      |
| Konso Sp. Wereda        | -                | -     | -      | -                   | -     | -      | -                           | -    | -      |
| Derashe Sp. Wereda      | -                | -     | -      | -                   | -     | -      | -                           | -    | -      |
| Dawro                   | *                | *     | -      | 615                 | 391   | *      | -                           | -    | -      |
| Basketo Sp. Wereda      | -                | -     | -      | 144                 | 105   | *      | -                           | -    | -      |
| Konta Sp. Wereda        | -                | -     | -      | 217                 | 189   | *      | -                           | -    | -      |
| Silte                   | *                | *     | *      | 1,890               | 1,472 | *      | *                           | -    | *      |
| Alaba Sp. Wereda        | -                | -     | -      | -                   | -     | -      | -                           | -    | -      |
| <b>Harari</b>           | -                | -     | -      | *                   | *     | -      | -                           | -    | -      |
| Hundene                 | -                | -     | -      | *                   | *     | -      | -                           | -    | -      |
| <b>Addis Ababa</b>      | -                | -     | -      | *                   | *     | -      | -                           | -    | -      |
| Zone 3                  | -                | -     | -      | *                   | *     | -      | -                           | -    | -      |
| Zone 6                  | -                | -     | -      | *                   | *     | -      | -                           | -    | -      |
| <b>Dire Dawa</b>        | -                | -     | -      | *                   | *     | -      | -                           | -    | -      |



TABLE 3-19 - g CONT'D

| Geographic Area         | Number of Births |       |        | Number of Purchases |      |        | Acquired by any Other Means |      |        |
|-------------------------|------------------|-------|--------|---------------------|------|--------|-----------------------------|------|--------|
|                         | Total            | Male  | Female | Total               | Male | Female | Total                       | Male | Female |
| <b>Somale</b>           | 11,321           | 4,908 | 6,413  | 1,117               | 481  | *      | *                           | *    | *      |
| Shinele                 | 196              | 130   | 66     | -                   | -    | -      | 9                           | 9    | -      |
| Jijiga                  | 3,505            | 2,115 | 1,390  | *                   | *    | -      | *                           | *    | *      |
| Liben                   | 7,621            | 2,663 | 4,958  | 901                 | 266  | *      | *                           | *    | -      |
| <b>Benshangul-Gumuz</b> | -                | -     | -      | *                   | -    | *      | -                           | -    | -      |
| Metekel                 | -                | -     | -      | *                   | -    | *      | -                           | -    | -      |
| Asosa                   | -                | -     | -      | -                   | -    | -      | -                           | -    | -      |
| Kemeshi                 | -                | -     | -      | -                   | -    | -      | -                           | -    | -      |
| <b>SNNP</b>             | *                | *     | *      | *                   | *    | *      | -                           | -    | -      |
| Gurage                  | -                | -     | -      | -                   | -    | -      | -                           | -    | -      |
| Hadiya                  | -                | -     | -      | -                   | -    | -      | -                           | -    | -      |
| Kembata Tembaro         | -                | -     | -      | -                   | -    | -      | -                           | -    | -      |
| Sidama                  | -                | -     | -      | -                   | -    | -      | -                           | -    | -      |
| Gedio                   | -                | -     | -      | -                   | -    | -      | -                           | -    | -      |
| Wolayita                | *                | -     | *      | *                   | *    | *      | -                           | -    | -      |
| South Omo               | *                | *     | *      | -                   | -    | -      | -                           | -    | -      |
| Shaka                   | -                | -     | -      | -                   | -    | -      | -                           | -    | -      |
| Kaffa                   | *                | *     | *      | -                   | -    | -      | -                           | -    | -      |
| Gamo Gofa               | -                | -     | -      | -                   | -    | -      | -                           | -    | -      |
| Bench Maji              | -                | -     | -      | -                   | -    | -      | -                           | -    | -      |
| Yem Sp. Wereda          | -                | -     | -      | -                   | -    | -      | -                           | -    | -      |
| Amaro Sp. Wereda        | -                | -     | -      | -                   | -    | -      | -                           | -    | -      |
| Burji Sp. Wereda        | -                | -     | -      | -                   | -    | -      | -                           | -    | -      |
| Konso Sp. Wereda        | -                | -     | -      | -                   | -    | -      | -                           | -    | -      |
| Derashe Sp. Wereda      | -                | -     | -      | -                   | -    | -      | -                           | -    | -      |
| Dawro                   | -                | -     | -      | -                   | -    | -      | -                           | -    | -      |
| Basketo Sp. Wereda      | -                | -     | -      | -                   | -    | -      | -                           | -    | -      |
| Konta Sp. Wereda        | -                | -     | -      | -                   | -    | -      | -                           | -    | -      |
| Silte                   | -                | -     | -      | -                   | -    | -      | -                           | -    | -      |
| Alaba Sp. Wereda        | -                | -     | -      | -                   | -    | -      | -                           | -    | -      |
| <b>Harari</b>           | *                | *     | *      | *                   | *    | *      | *                           | *    | -      |
| Hundene                 | *                | *     | *      | *                   | *    | *      | *                           | *    | -      |
| <b>Addis Ababa</b>      | -                | -     | -      | -                   | -    | -      | -                           | -    | -      |
| Zone 3                  | -                | -     | -      | -                   | -    | -      | -                           | -    | -      |
| Zone 6                  | -                | -     | -      | -                   | -    | -      | -                           | -    | -      |
| <b>Dire Dawa</b>        | 553              | 257   | 296    | *                   | *    | *      | *                           | -    | *      |

## h. Poultry

| Geographic Area   | Total Number of Births | Total Number of Purchases | Total Acquired by any Other Means |
|-------------------|------------------------|---------------------------|-----------------------------------|
| <b>Ethiopia</b>   | 38,145,250             | 5,140,699                 | 291,247                           |
| <b>Tigray</b>     | 4,681,349              | 415,618                   | 24,080                            |
| North West Tigray | 1,338,946              | 103,765                   | 9,116                             |
| Central Tigray    | 1,560,209              | 127,048                   | 4,698                             |
| Eastern Tigray    | 463,080                | 65,584                    | 4,028                             |
| Southern Tigray   | 568,924                | 81,388                    | 3,376                             |
| Western Tigray    | 750,189                | 37,832                    | 2,863                             |
| <b>Afar</b>       | 37,399                 | 6,511                     | *                                 |
| Zone 1            | *                      | *                         | -                                 |
| Zone 3            | 37,341                 | 6,253                     | *                                 |
| <b>Amhara</b>     | 12,632,090             | 1,997,202                 | 51,432                            |
| North Gonder      | 3,900,275              | 312,362                   | 7,405                             |
| South Gonder      | 1,629,443              | 148,405                   | 7,022                             |
| North Wolo        | 1,042,993              | 261,535                   | 8,361                             |
| South Wolo        | 767,401                | 277,382                   | 5,405                             |
| North Shewa       | 1,167,020              | 318,734                   | 10,381                            |
| East Gojam        | 489,931                | 195,432                   | *                                 |
| West Gojam        | 2,040,961              | 314,323                   | 4,521                             |
| Waghamera         | 370,384                | 27,064                    | 2,552                             |
| Awi               | 809,806                | 110,828                   | 2,356                             |
| Oromia            | 413,877                | 31,136                    | 825                               |
| <b>Oromia</b>     | 12,589,391             | 1,746,244                 | 116,878                           |
| West Wellega      | 1,888,303              | 214,652                   | *                                 |
| East Wellega      | 1,006,622              | 78,375                    | 2,863                             |
| Illubabor         | 924,972                | 108,074                   | 6,216                             |
| Jimma             | 1,473,227              | 134,518                   | 12,680                            |
| West Shewa        | 864,085                | 188,627                   | *                                 |
| North Shewa       | 446,623                | 150,788                   | 2,743                             |
| East Shewa        | 945,092                | 112,771                   | 5,547                             |
| Arsi              | 1,569,749              | 243,953                   | 14,547                            |
| West Harerghe     | 952,638                | 102,420                   | 17,320                            |
| East Harerghe     | 754,161                | 65,639                    | 27,991                            |
| Bale              | 625,012                | 112,350                   | *                                 |
| Borena            | 396,983                | 57,930                    | 4,144                             |
| South West Shewa  | 443,346                | 119,776                   | 3,260                             |
| Guji              | 298,576                | 56,372                    | *                                 |

TABLE 3-19 - h CONT'D

| Geographic Area         | Total Number of Births | Total Number of Purchases | Total Acquired by any Other Means |
|-------------------------|------------------------|---------------------------|-----------------------------------|
| <b>Somale</b>           | 41,850                 | *                         | 688                               |
| Shinele                 | 3,643                  | 82                        | 109                               |
| Jijiga                  | 19,368                 | *                         | *                                 |
| Liben                   | 18,840                 | 1,531                     | 442                               |
| <b>Benshangul-Gumuz</b> | 1,267,620              | 121,663                   | 2,735                             |
| Metekel                 | 539,233                | 68,079                    | 1,066                             |
| Asosa                   | 578,555                | 40,039                    | *                                 |
| Kemeshi                 | 149,833                | 13,544                    | 519                               |
| <b>SNNP</b>             | 6,811,989              | 837,143                   | 93,354                            |
| Gurage                  | 457,028                | 73,297                    | 3,002                             |
| Hadiya                  | 817,064                | 58,500                    | 19,500                            |
| Kembata Tembaro         | 312,500                | 39,063                    | 13,452                            |
| Sidama                  | 717,197                | 143,164                   | *                                 |
| Gedio                   | 211,331                | 78,736                    | 1,698                             |
| Wolayita                | 426,015                | 60,365                    | 5,332                             |
| South Omo               | 325,988                | 20,030                    | 10,261                            |
| Shaka                   | 212,711                | 26,874                    | 1,406                             |
| Kaffa                   | 927,198                | 72,591                    | 7,692                             |
| Gamo Gofa               | 510,702                | 74,446                    | *                                 |
| Bench Maji              | 789,259                | 55,146                    | 5,907                             |
| Yem Sp. Wereda          | 25,719                 | 2,565                     | 463                               |
| Amaro Sp. Wereda        | 63,686                 | 8,539                     | *                                 |
| Burji Sp. Wereda        | 27,593                 | 1,784                     | *                                 |
| Konso Sp. Wereda        | 102,544                | 9,828                     | 3,189                             |
| Derashe Sp. Wereda      | 68,371                 | 8,275                     | 1,705                             |
| Dawro                   | 99,480                 | 30,754                    | *                                 |
| Basketo Sp. Wereda      | 45,976                 | 6,347                     | 616                               |
| Konta Sp. Wereda        | 60,463                 | 8,159                     | 634                               |
| Silte                   | 498,500                | 53,081                    | 3,731                             |
| Alaba Sp. Wereda        | 112,662                | 5,600                     | 831                               |
| <b>Harari</b>           | 33,368                 | 1,060                     | 412                               |
| Hundene                 | 33,368                 | 1,060                     | 412                               |
| <b>Addis Ababa</b>      | 21,067                 | 5,913                     | 122                               |
| Zone 3                  | 14,761                 | 3,398                     | 98                                |
| Zone 6                  | 6,307                  | 2,515                     | *                                 |
| <b>Dire Dawa</b>        | 29,126                 | 971                       | 1,466                             |



**TABLE 3 – 20: ESTIMATED NUMBERS OF SALES, SLAUGHTERS, DEATHS, AND OFFERED  
ANIMALS DURING THE REFERENCE PERIOD BY ZONE AND REGION**

**a. Cattle**

| Geographic Area   | Number of Sales |           |           | Number of Slaughters |         |         | Number of Deaths |           |           | Offerings |         |         |
|-------------------|-----------------|-----------|-----------|----------------------|---------|---------|------------------|-----------|-----------|-----------|---------|---------|
|                   | Total           | Male      | Female    | Total                | Male    | Female  | Total            | Male      | Female    | Total     | Male    | Female  |
| <b>Ethiopia</b>   | 3,704,788       | 2,274,333 | 1,430,455 | 296,292              | 162,045 | 134,247 | 3,199,363        | 1,424,616 | 1,774,746 | 358,636   | 151,054 | 207,582 |
| <b>Tigray</b>     | 276,578         | 173,421   | 103,157   | 31,696               | 19,684  | 12,013  | 217,540          | 97,861    | 119,679   | 29,783    | 13,567  | 16,216  |
| North West Tigray | 53,913          | 32,626    | 21,287    | 7,596                | 4,454   | 3,142   | 77,717           | 34,013    | 43,704    | 10,372    | 4,589   | 5,783   |
| Central Tigray    | 60,839          | 44,572    | 16,267    | 7,484                | 5,039   | 2,445   | 20,744           | 11,350    | 9,394     | 7,212     | 3,834   | 3,378   |
| Eastern Tigray    | 46,526          | 25,230    | 21,296    | 3,424                | 2,276   | 1,148   | 17,216           | 7,731     | 9,485     | 1,524     | 529     | 995     |
| Southern Tigray   | 90,071          | 56,185    | 33,886    | 7,407                | 4,797   | 2,610   | 56,378           | 26,581    | 29,796    | 7,333     | 2,793   | 4,539   |
| Western Tigray    | 25,229          | 14,807    | 10,421    | 5,785                | 3,117   | 2,667   | 45,486           | 18,186    | 27,300    | 3,342     | 1,822   | 1,521   |
| <b>Afar</b>       | 10,226          | 6,473     | 3,753     | 2,371                | 1,657   | 715     | 53,728           | 14,396    | 39,333    | 1,330     | 340     | 990     |
| Zone 1            | 3,092           | 1,546     | 1,547     | 1,017                | 876     | *       | 43,070           | 10,376    | 32,694    | 746       | 200     | 546     |
| Zone 3            | 7,133           | 4,927     | 2,206     | 1,355                | 781     | 574     | 10,658           | 4,019     | 6,639     | 583       | *       | 444     |
| <b>Amhara</b>     | 987,625         | 656,145   | 331,480   | 62,810               | 34,369  | 28,441  | 584,304          | 273,777   | 310,527   | 50,190    | 20,034  | 30,156  |
| North Gonder      | 199,850         | 149,623   | 50,226    | 8,436                | 6,458   | 1,979   | 114,450          | 53,100    | 61,349    | 7,043     | 3,328   | 3,715   |
| South Gonder      | 102,042         | 59,448    | 42,594    | 6,085                | 2,516   | *       | 57,393           | 27,535    | 29,858    | 6,969     | 2,514   | 4,455   |
| North Wolo        | 109,421         | 63,917    | 45,505    | 7,071                | 3,185   | 3,886   | 59,077           | 27,355    | 31,723    | 4,946     | 1,754   | 3,192   |
| South Wolo        | 177,167         | 120,093   | 57,074    | 11,284               | 4,289   | 6,995   | 65,044           | 31,502    | 33,542    | 3,281     | *       | *       |
| North Shewa       | 93,048          | 66,768    | 26,280    | 8,874                | 5,609   | 3,265   | 48,167           | 26,394    | 21,773    | 7,571     | 2,694   | 4,877   |
| East Gojam        | 81,251          | 57,799    | 23,451    | 8,127                | 5,692   | 2,435   | 50,535           | 21,951    | 28,584    | 7,505     | 2,288   | 5,217   |
| West Gojam        | 99,407          | 62,627    | 36,780    | 4,874                | 2,763   | 2,111   | 76,971           | 37,341    | 39,629    | 8,137     | 4,133   | 4,004   |
| Waghamera         | 30,513          | 20,798    | 9,715     | 1,813                | 916     | 897     | 31,274           | 14,927    | 16,347    | 2,609     | 991     | *       |
| Awi               | 56,501          | 31,680    | 24,821    | 4,464                | 2,293   | *       | 48,434           | 22,061    | 26,373    | 1,060     | *       | *       |
| Oromia            | 38,426          | 23,391    | 15,035    | 1,781                | 648     | 1,133   | 32,959           | 11,610    | 21,350    | 1,070     | 449     | *       |
| <b>Oromia</b>     | 1,610,056       | 1,007,073 | 602,984   | 119,649              | 62,926  | 56,723  | 1,508,767        | 699,107   | 809,661   | 158,634   | 70,277  | 88,358  |
| West Wellega      | 73,271          | 46,475    | 26,796    | 3,249                | *       | 2,399   | 122,632          | 64,676    | 57,955    | 2,748     | *       | *       |
| East Wellega      | 95,943          | 58,422    | 37,521    | 5,714                | 3,535   | 2,180   | 139,240          | 66,591    | 72,649    | 4,797     | 2,237   | 2,560   |
| Illubabor         | 73,006          | 45,201    | 27,806    | 4,137                | 2,050   | 2,087   | 109,856          | 58,232    | 51,624    | 5,012     | 1,287   | 3,725   |
| Jimma             | 148,504         | 97,267    | 51,237    | 9,173                | 4,518   | 4,655   | 184,221          | 90,451    | 93,771    | 29,768    | 14,122  | 15,645  |
| West Shewa        | 166,413         | 102,276   | 64,138    | 21,983               | 11,776  | 10,207  | 139,702          | 65,427    | 74,274    | 7,899     | 4,600   | 3,299   |
| North Shewa       | 111,004         | 68,549    | 42,455    | 9,022                | 4,654   | 4,368   | 58,826           | 26,794    | 32,031    | *         | *       | *       |
| East Shewa        | 94,824          | 58,474    | 36,350    | 9,414                | 4,950   | 4,464   | 74,572           | 39,815    | 34,757    | 9,306     | 4,345   | 4,961   |
| Arsi              | 267,230         | 165,252   | 101,978   | 17,221               | 8,096   | 9,126   | 118,547          | 55,458    | 63,089    | 14,947    | 5,992   | 8,956   |
| West Harerghe     | 90,175          | 56,640    | 33,534    | 3,116                | 1,291   | 1,825   | 58,454           | 26,526    | 31,928    | 10,691    | 4,254   | 6,438   |
| East Harerghe     | 89,832          | 52,507    | 37,325    | 3,698                | *       | 2,771   | 72,577           | 27,765    | 44,813    | 10,062    | 2,369   | 7,692   |
| Bale              | 151,027         | 94,098    | 56,929    | 12,309               | 6,788   | 5,521   | 186,686          | 76,326    | 110,360   | 21,643    | 8,846   | 12,797  |
| Borena            | 112,132         | 74,328    | 37,804    | 10,124               | 7,616   | 2,508   | 100,094          | 37,884    | 62,210    | 9,436     | *       | 4,735   |
| South West Shewa  | 47,296          | 30,322    | 16,974    | 8,379                | 4,850   | 3,529   | 46,248           | 23,655    | 22,593    | 7,516     | 3,858   | 3,657   |
| Guji              | 89,397          | 57,261    | 32,136    | 2,109                | 1,025   | *       | 97,113           | 39,507    | 57,606    | 3,641     | *       | *       |

TABLE 3-20 – a CONT'D

| Geographic Area         | Number of Sales |         |         | Number of Slaughters |        |        | Number of Deaths |         |         | Offerings |        |        |
|-------------------------|-----------------|---------|---------|----------------------|--------|--------|------------------|---------|---------|-----------|--------|--------|
|                         | Total           | Male    | Female  | Total                | Male   | Female | Total            | Male    | Female  | Total     | Male   | Female |
| <b>Somale</b>           | 28,045          | 18,630  | 9,414   | 2,213                | 1,287  | *      | 43,415           | 16,577  | 26,838  | 1,884     | 722    | 1,162  |
| Shinele                 | 908             | 426     | 481     | 75                   | 34     | 41     | 2,074            | 619     | 1,455   | 317       | 111    | 206    |
| Jijiga                  | 18,798          | 12,893  | 5,905   | *                    | *      | *      | 31,843           | 12,702  | 19,140  | 1,156     | *      | 672    |
| Liben                   | 8,339           | 5,311   | 3,028   | 892                  | 534    | *      | 9,498            | 3,256   | 6,242   | *         | *      | *      |
| <b>Benshangul-Gumuz</b> | 32,092          | 19,744  | 12,348  | 3,014                | 1,908  | 1,106  | 42,859           | 20,493  | 22,366  | 910       | 402    | 508    |
| Metekel                 | 19,566          | 11,565  | 8,002   | 1,903                | 1,289  | 614    | 24,362           | 11,411  | 12,951  | 754       | 371    | 383    |
| Asosa                   | 8,093           | 4,962   | 3,131   | 438                  | *      | *      | 13,267           | 6,509   | 6,758   | *         | -      | *      |
| Kemeshi                 | 4,432           | 3,217   | 1,215   | 673                  | 399    | 274    | 5,230            | 2,573   | 2,657   | *         | *      | -      |
| <b>SNNP</b>             | 751,885         | 387,225 | 364,659 | 73,720               | 39,606 | 34,114 | 738,871          | 299,114 | 439,758 | 115,133   | 45,345 | 69,787 |
| Gurage                  | 42,260          | 18,068  | 24,192  | 21,285               | 10,552 | 10,732 | 46,897           | 14,249  | 32,647  | 6,042     | 2,459  | 3,583  |
| Hadiya                  | 89,201          | 46,099  | 43,102  | *                    | *      | *      | 48,251           | 17,571  | 30,680  | 10,792    | 5,371  | 5,420  |
| Kembata Tembaro         | 35,829          | 16,685  | 19,145  | 1,755                | 764    | 991    | 22,790           | 12,143  | 10,646  | 8,689     | 3,449  | 5,240  |
| Sidama                  | 173,603         | 65,360  | 108,243 | 15,699               | 9,149  | 6,549  | 99,815           | 39,148  | 60,666  | 12,044    | 3,252  | 8,793  |
| Gedio                   | 28,902          | 20,292  | 8,610   | 654                  | *      | *      | 7,132            | 3,270   | 3,862   | 1,129     | *      | *      |
| Wolayita                | 88,157          | 54,217  | 33,940  | 2,559                | 1,841  | *      | 84,089           | 41,174  | 42,914  | 7,520     | 4,132  | 3,388  |
| South Omo               | 21,880          | 14,127  | 7,753   | 3,224                | 2,107  | 1,116  | 72,174           | 22,101  | 50,073  | 10,233    | 4,581  | 5,652  |
| Shaka                   | 12,498          | 8,138   | 4,359   | 1,420                | 599    | 821    | 11,706           | 4,336   | 7,371   | 2,768     | 647    | 2,121  |
| Kaffa                   | 49,065          | 29,460  | 19,606  | 5,373                | 2,037  | 3,336  | 73,752           | 32,484  | 41,268  | 10,186    | 3,872  | 6,315  |
| Gamo Gofa               | 74,683          | 40,663  | 34,020  | *                    | *      | *      | 86,959           | 35,405  | 51,554  | 12,265    | *      | 8,213  |
| Bench Maji              | 37,919          | 19,691  | 18,229  | 1,600                | *      | 821    | 49,631           | 22,249  | 27,383  | 20,174    | 6,378  | 13,797 |
| Yem Sp. Wereda          | 4,013           | 2,186   | 1,828   | 751                  | 378    | 373    | 3,001            | 1,533   | 1,468   | 731       | 235    | 496    |
| Amaro Sp. Wereda        | 3,278           | 2,403   | 875     | 461                  | 343    | *      | 6,906            | 2,687   | 4,220   | 181       | *      | *      |
| Burji Sp. Wereda        | 1,222           | 846     | 377     | *                    | *      | *      | 3,592            | 1,913   | 1,679   | 133       | 81     | *      |
| Konso Sp. Wereda        | 5,327           | 3,721   | 1,606   | *                    | *      | *      | 15,252           | 5,958   | 9,294   | 1,361     | 673    | 688    |
| Derashe Sp. Wereda      | 3,014           | 2,165   | 849     | *                    | *      | *      | 4,986            | 2,187   | 2,800   | *         | *      | *      |
| Dawro                   | 29,044          | 14,291  | 14,753  | 740                  | *      | 398    | 40,720           | 15,134  | 25,586  | *         | *      | *      |
| Basketo Sp. Wereda      | 2,326           | 1,462   | 863     | 213                  | 105    | 108    | 2,023            | 895     | 1,128   | 914       | 289    | 625    |
| Konta Sp. Wereda        | 5,207           | 2,976   | 2,231   | *                    | -      | *      | 15,095           | 6,695   | 8,400   | 435       | *      | 349    |
| Silte                   | 35,708          | 20,063  | 15,645  | 9,274                | 5,927  | 3,348  | 30,960           | 13,334  | 17,626  | 5,242     | 2,816  | 2,426  |
| Alaba Sp. Wereda        | 8,748           | 4,313   | 4,435   | 1,081                | 514    | 568    | 13,140           | 4,648   | 8,492   | 1,664     | 1,144  | 520    |
| <b>Harari</b>           | 3,591           | 2,313   | 1,278   | 89                   | 89     | -      | 2,729            | 985     | 1,744   | 302       | 141    | 161    |
| Hundene                 | 3,591           | 2,313   | 1,278   | 89                   | 89     | -      | 2,729            | 985     | 1,744   | 302       | 141    | 161    |
| <b>Addis Ababa</b>      | 2,032           | 1,564   | 468     | 674                  | 492    | 182    | 1,269            | 746     | 524     | *         | 27     | *      |
| Zone 3                  | 1,442           | 1,113   | 329     | 351                  | 248    | 103    | 874              | 559     | 315     | *         | 27     | *      |
| Zone 6                  | 591             | 452     | 139     | 323                  | 244    | *      | 396              | 187     | 209     | -         | -      | -      |
| <b>Dire Dawa</b>        | 2,660           | 1,745   | 914     | *                    | *      | *      | 5,879            | 1,562   | 4,317   | 434       | 200    | 234    |

## b. Sheep

| Geographic Area   | Number of Sales |           |           | Number of Slaughters |           |         | Number of Deaths |           |           | Offerings |       |         |
|-------------------|-----------------|-----------|-----------|----------------------|-----------|---------|------------------|-----------|-----------|-----------|-------|---------|
|                   | Total           | Male      | Female    | Total                | Male      | Female  | Total            | Male      | Female    | Total     | Male  | Female  |
| <b>Ethiopia</b>   | 4,536,565       | 2,463,234 | 2,073,331 | 1,971,260            | 1,522,084 | 449,176 | 3,269,329        | 1,068,819 | 2,200,510 | 259,556   | *     | 126,132 |
| <b>Tigray</b>     | 179,091         | 87,865    | 91,226    | 76,342               | 60,986    | 15,355  | 156,280          | 48,314    | 107,967   | 2,254     | *     | *       |
| North West Tigray | 17,329          | 10,266    | 7,064     | 5,673                | 3,992     | 1,681   | 17,431           | 5,583     | 11,848    | -         | -     | -       |
| Central Tigray    | 36,290          | 23,480    | 12,810    | 14,494               | 12,862    | 1,632   | 26,428           | 10,489    | 15,939    | *         | *     | -       |
| Eastern Tigray    | 71,939          | 29,510    | 42,429    | 22,913               | 17,304    | 5,609   | 65,161           | 17,553    | 47,608    | *         | *     | *       |
| Southern Tigray   | 51,350          | 23,458    | 27,892    | 28,165               | 23,165    | 5,000   | 39,078           | 12,776    | 26,302    | *         | -     | *       |
| Western Tigray    | *               | *         | *         | 5,097                | 3,663     | 1,434   | *                | *         | *         | *         | *     | -       |
| <b>Afar</b>       | 14,931          | 9,811     | 5,120     | 10,329               | 7,360     | 2,969   | 21,490           | 6,589     | 14,901    | 1,074     | 494   | *       |
| Zone 1            | 6,381           | 4,039     | 2,342     | 3,874                | 2,754     | *       | 15,857           | 4,533     | 11,323    | 384       | 219   | *       |
| Zone 3            | 8,550           | 5,772     | *         | 6,455                | 4,606     | *       | 5,634            | 2,056     | 3,577     | *         | *     | *       |
| <b>Amhara</b>     | 1,890,930       | 995,493   | 895,437   | 1,146,132            | 906,291   | 239,842 | 1,047,084        | 327,394   | 719,690   | 35,980    | 7,169 | 28,811  |
| North Gonder      | 121,279         | 62,971    | 58,308    | 85,429               | 72,959    | 12,470  | 114,285          | 31,885    | 82,400    | *         | *     | *       |
| South Gonder      | 168,014         | 81,114    | 86,899    | 101,216              | 77,178    | 24,038  | 105,626          | 28,746    | 76,880    | *         | -     | *       |
| North Wolo        | 212,672         | 133,308   | 79,364    | 158,567              | 119,914   | 38,653  | 71,450           | 21,803    | 49,646    | *         | *     | *       |
| South Wolo        | 735,336         | 370,900   | 364,436   | 99,921               | 70,181    | 29,740  | 205,317          | 72,235    | 133,082   | *         | *     | *       |
| North Shewa       | 212,069         | 108,394   | 103,675   | 112,171              | 92,435    | 19,736  | 178,847          | 70,630    | 108,217   | 7,775     | *     | 6,739   |
| East Gojam        | 204,194         | 99,536    | 104,658   | 323,163              | 255,442   | 67,721  | 197,330          | 47,087    | 150,243   | 6,732     | *     | 5,524   |
| West Gojam        | 146,986         | 89,947    | 57,039    | 140,627              | 123,004   | 17,623  | 103,554          | 33,947    | 69,607    | 2,555     | 1,047 | *       |
| Waghamera         | 13,088          | 8,524     | 4,564     | 6,529                | 4,962     | 1,567   | 12,541           | 5,402     | 7,139     | *         | *     | *       |
| Awii              | 61,608          | 29,553    | 32,055    | 115,404              | 87,367    | 28,037  | 55,416           | 14,619    | 40,797    | 1,437     | *     | 1,158   |
| Oromia            | *               | *         | *         | 3,106                | 2,849     | *       | 2,717            | 1,038     | 1,679     | *         | -     | *       |
| <b>Oromia</b>     | 1,847,348       | 1,087,379 | 759,969   | 573,125              | 420,672   | 152,453 | 1,422,854        | 475,238   | 947,616   | *         | *     | 59,885  |
| West Wellega      | 46,569          | 23,639    | 22,930    | 6,994                | 5,044     | *       | 60,503           | 22,572    | 37,930    | *         | -     | *       |
| East Wellega      | 62,024          | 36,376    | 25,649    | 12,415               | 9,232     | 3,184   | 75,905           | 25,011    | 50,894    | *         | -     | *       |
| Illubabor         | 56,908          | 28,438    | 28,470    | 13,855               | 11,334    | 2,522   | 77,649           | 26,319    | 51,330    | 2,038     | *     | 1,689   |
| Jimma             | 194,320         | 106,347   | 87,973    | 41,449               | 30,350    | 11,099  | 178,598          | 54,412    | 124,185   | 15,946    | *     | 15,632  |
| West Shewa        | 244,016         | 145,646   | 98,370    | 84,160               | 67,634    | 16,526  | 161,583          | 53,994    | 107,590   | 9,553     | *     | 7,259   |
| North Shewa       | 376,667         | 279,186   | 97,481    | 239,024              | 160,841   | 78,183  | 184,546          | 64,515    | 120,032   | *         | *     | *       |
| East Shewa        | 69,457          | 34,789    | 34,668    | 25,962               | 20,409    | 5,553   | 69,746           | 23,093    | 46,653    | -         | -     | -       |
| Arsi              | 458,491         | 236,568   | 221,923   | 77,436               | 57,172    | 20,264  | 231,193          | 71,763    | 159,430   | 17,625    | 5,419 | 12,206  |
| West Harerghe     | 25,614          | 15,177    | 10,437    | 5,372                | 5,372     | -       | 26,316           | 9,587     | 16,729    | *         | -     | *       |
| East Harerghe     | 41,416          | 21,558    | 19,859    | 16,470               | 14,141    | *       | 38,053           | 10,614    | 27,439    | 7,740     | 2,513 | *       |
| Bale              | 157,645         | 94,066    | 63,579    | 18,286               | 13,451    | 4,834   | 213,800          | 76,873    | 136,927   | *         | *     | *       |
| Borena            | 17,109          | 10,147    | 6,962     | 8,613                | 6,405     | 2,208   | 49,143           | 16,555    | 32,588    | *         | *     | *       |
| South West Shewa  | 49,979          | 35,686    | 14,293    | 15,153               | 13,328    | 1,825   | 24,233           | 9,526     | 14,708    | *         | *     | *       |
| Guji              | 47,133          | 19,757    | 27,377    | 7,936                | 5,959     | 1,976   | 31,586           | 10,404    | 21,182    | *         | *     | *       |

TABLE 3-20 – b CONT'D

| Geographic Area         | Number of Sales |         |         | Number of Slaughters |         |        | Number of Deaths |         |         | Offerings |       |        |
|-------------------------|-----------------|---------|---------|----------------------|---------|--------|------------------|---------|---------|-----------|-------|--------|
|                         | Total           | Male    | Female  | Total                | Male    | Female | Total            | Male    | Female  | Total     | Male  | Female |
| <b>Somale</b>           | 44,777          | 28,366  | 16,411  | 15,604               | 10,536  | *      | 43,519           | 16,973  | 26,546  | 1,288     | 813   | *      |
| Shinele                 | 5,107           | 2,990   | 2,117   | 2,188                | 1,512   | 676    | 8,720            | 2,732   | 5,988   | 350       | 127   | 222    |
| Jijiga                  | 26,551          | 20,355  | 6,197   | 5,535                | 4,933   | 602    | 23,494           | 10,194  | 13,300  | *         | *     | -      |
| Liben                   | *               | 5,022   | *       | 7,880                | 4,091   | *      | 11,305           | 4,047   | 7,258   | *         | 487   | *      |
| <b>Benshangul-Gumuz</b> | 13,456          | 6,139   | 7,317   | 9,617                | 7,889   | 1,728  | 19,741           | 6,591   | 13,151  | *         | *     | -      |
| Metekel                 | 6,565           | 2,536   | 4,029   | 7,621                | 6,457   | 1,165  | 8,943            | 2,917   | 6,026   | *         | *     | -      |
| Asosa                   | 4,906           | 2,600   | 2,306   | 1,035                | 731     | *      | 7,783            | 2,720   | 5,063   | -         | -     | -      |
| Kemeshi                 | 1,984           | 1,002   | 982     | 961                  | 701     | 260    | 3,015            | 953     | 2,062   | *         | *     | -      |
| <b>SNNP</b>             | 539,787         | 244,046 | 295,742 | 131,584              | 101,539 | 30,045 | 541,795          | 182,161 | 359,634 | 41,427    | 7,108 | 34,320 |
| Gurage                  | 43,580          | 18,361  | 25,219  | 18,273               | 14,571  | 3,702  | 22,735           | 9,290   | 13,445  | 1,758     | 896   | *      |
| Hadiya                  | 46,208          | 15,419  | 30,789  | 6,203                | 4,560   | 1,643  | 32,602           | 9,737   | 22,864  | *         | -     | *      |
| Kembata Tembaro         | 20,677          | 10,245  | 10,432  | 2,732                | 1,543   | 1,189  | 9,652            | 2,541   | 7,111   | 2,689     | *     | 2,241  |
| Sidama                  | 87,145          | 32,926  | 54,219  | 12,379               | 8,626   | *      | 42,902           | 15,270  | 27,632  | *         | -     | *      |
| Gedio                   | 32,204          | 14,647  | 17,556  | 6,019                | 4,711   | *      | 19,419           | 9,673   | 9,746   | *         | *     | *      |
| Wolayita                | 24,808          | 11,113  | 13,695  | *                    | *       | *      | 11,995           | 4,734   | 7,260   | *         | *     | *      |
| South Omo               | 30,477          | 16,115  | 14,362  | 13,634               | 8,742   | 4,892  | 65,167           | 22,333  | 42,835  | 6,393     | 2,125 | 4,268  |
| Shaka                   | 10,610          | 5,244   | 5,366   | 7,397                | 5,132   | 2,266  | 14,833           | 6,367   | 8,466   | 1,093     | 327   | 766    |
| Kaffa                   | 67,888          | 33,781  | 34,107  | 25,895               | 21,326  | 4,570  | 111,083          | 37,143  | 73,940  | 4,159     | *     | 3,875  |
| Gamo Gofa               | 57,678          | 26,407  | 31,271  | 7,131                | 5,853   | 1,279  | 82,852           | 20,555  | 62,298  | 5,509     | 1,575 | 3,934  |
| Bench Maji              | 27,986          | 14,533  | 13,453  | 9,949                | 8,215   | 1,734  | 34,352           | 11,119  | 23,232  | 1,788     | *     | 1,519  |
| Yem Sp. Wereda          | 3,703           | 2,067   | 1,636   | 431                  | *       | 270    | 2,617            | 744     | 1,873   | 154       | *     | 133    |
| Amaro Sp. Wereda        | 2,680           | 1,636   | 1,044   | 611                  | 490     | *      | 3,234            | 1,120   | 2,113   | *         | *     | -      |
| Burji Sp. Wereda        | 113             | *       | 86      | *                    | *       | *      | 276              | 110     | 166     | -         | -     | -      |
| Konso Sp. Wereda        | 5,180           | 3,248   | 1,931   | 1,703                | 1,589   | *      | 15,283           | 4,239   | 11,044  | *         | *     | *      |
| Derashe Sp. Wereda      | 608             | *       | 212     | *                    | *       | -      | 1,407            | 363     | 1,043   | -         | -     | -      |
| Dawro                   | 25,177          | 12,065  | 13,113  | 1,951                | 1,374   | *      | 21,943           | 8,302   | 13,641  | -         | -     | -      |
| Basketo Sp. Wereda      | 1,105           | 459     | 646     | 327                  | 206     | 122    | 2,203            | 779     | 1,424   | 593       | *     | 525    |
| Konta Sp. Wereda        | 2,681           | 1,759   | 922     | 117                  | *       | *      | 6,750            | 3,175   | 3,575   | *         | *     | *      |
| Silte                   | 44,536          | 21,514  | 23,022  | 12,980               | 11,208  | 1,773  | 34,989           | 12,546  | 22,442  | *         | *     | *      |
| Alaba Sp. Wereda        | 4,746           | 2,085   | 2,661   | 2,399                | 1,933   | 466    | 5,503            | 2,021   | 3,483   | *         | *     | *      |
| <b>Harari</b>           | 258             | *       | 148     | 445                  | 353     | *      | 548              | *       | 427     | *         | *     | *      |
| Hundene                 | 258             | *       | 148     | 445                  | 353     | *      | 548              | *       | 427     | *         | *     | *      |
| <b>Addis Ababa</b>      | 1,066           | 593     | 474     | 5,191                | 4,850   | 340    | 1,204            | 395     | 808     | *         | *     | -      |
| Zone 3                  | 723             | 398     | 325     | 3,934                | 3,728   | 206    | 896              | 292     | 603     | *         | *     | -      |
| Zone 6                  | 343             | 195     | 149     | 1,257                | 1,122   | 134    | 308              | *       | 205     | -         | -     | -      |
| <b>Dire Dawa</b>        | 4,920           | 3,433   | *       | *                    | 1,608   | *      | 14,813           | 5,042   | 9,772   | 1,254     | *     | 891    |

### c. Goats

| Geographic Area   | Number of Sales |           |           | Number of Slaughters |         |         | Number of Deaths |           |           | Offerings |        |        |
|-------------------|-----------------|-----------|-----------|----------------------|---------|---------|------------------|-----------|-----------|-----------|--------|--------|
|                   | Total           | Male      | Female    | Total                | Male    | Female  | Total            | Male      | Female    | Total     | Male   | Female |
| <b>Ethiopia</b>   | 2,566,294       | 1,305,342 | 1,260,953 | 1,026,053            | 735,805 | 290,249 | 2,968,498        | 1,063,197 | 1,905,301 | 127,257   | 36,305 | 90,952 |
| <b>Tigray</b>     | 409,092         | 214,014   | 195,078   | 169,274              | 126,184 | 43,091  | 484,961          | 146,431   | 338,531   | 9,111     | 3,884  | 5,227  |
| North West Tigray | 157,078         | 93,439    | 63,640    | 64,747               | 50,444  | 14,303  | 201,418          | 57,712    | 143,706   | 2,985     | *      | 2,401  |
| Central Tigray    | 113,960         | 58,728    | 55,231    | 47,672               | 34,675  | 12,997  | 118,774          | 37,836    | 80,938    | 3,086     | 1,741  | 1,345  |
| Eastern Tigray    | 41,679          | 17,615    | 24,063    | 13,570               | 9,761   | 3,809   | 32,217           | 10,416    | 21,800    | *         | *      | *      |
| Southern Tigray   | 75,015          | 32,632    | 42,384    | 22,452               | 15,245  | 7,207   | 79,317           | 21,804    | 57,512    | 1,803     | 1,000  | *      |
| Western Tigray    | 21,360          | 11,600    | 9,759     | 20,833               | 16,058  | 4,775   | 53,236           | 18,663    | 34,574    | 707       | *      | 413    |
| <b>Afar</b>       | 36,011          | 21,546    | 14,465    | 16,873               | 10,515  | *       | 50,021           | 16,706    | 33,315    | 1,586     | 560    | 1,026  |
| Zone 1            | 13,046          | 7,547     | 5,499     | 2,406                | 1,960   | 446     | 23,646           | 5,658     | 17,988    | 592       | *      | 481    |
| Zone 3            | 22,965          | 13,999    | 8,966     | 14,467               | 8,555   | *       | 26,375           | 11,049    | 15,326    | *         | 449    | *      |
| <b>Amhara</b>     | 1,006,745       | 470,780   | 535,964   | 482,337              | 351,991 | 130,346 | 915,887          | 349,544   | 566,342   | 26,470    | 7,884  | 18,586 |
| North Gonder      | 207,019         | 87,279    | 119,740   | 101,195              | 78,197  | 22,998  | 235,248          | 86,329    | 148,919   | 5,243     | *      | *      |
| South Gonder      | 144,140         | 66,185    | 77,955    | 54,360               | 41,946  | 12,414  | 113,357          | 45,342    | 68,015    | *         | *      | *      |
| North Wolo        | 142,063         | 67,960    | 74,102    | 92,076               | 64,675  | 27,401  | 76,312           | 27,813    | 48,499    | 3,774     | *      | 3,137  |
| South Wolo        | 144,673         | 64,315    | 80,358    | 50,969               | 34,497  | 16,472  | 113,042          | 37,041    | 76,001    | *         | *      | *      |
| North Shewa       | 75,455          | 33,347    | 42,108    | 42,659               | 31,869  | 10,791  | 145,732          | 65,689    | 80,042    | 5,190     | *      | 3,648  |
| East Gojam        | 43,312          | 26,574    | 16,738    | 40,077               | 28,013  | 12,064  | 53,472           | 17,905    | 35,566    | *         | -      | *      |
| West Gojam        | 62,393          | 31,404    | 30,989    | 30,684               | 23,764  | 6,920   | 38,412           | 17,624    | 20,788    | *         | *      | *      |
| Waghamera         | 120,448         | 64,132    | 56,316    | 38,101               | 27,602  | 10,498  | 86,112           | 32,328    | 53,785    | *         | *      | *      |
| Awi               | 22,634          | 11,993    | 10,641    | 24,210               | 16,675  | 7,536   | 31,307           | 11,122    | 20,186    | *         | *      | *      |
| Oromia            | 44,609          | 17,592    | 27,017    | 8,005                | 4,753   | 3,253   | 22,892           | 8,351     | 14,541    | -         | -      | -      |
| <b>Oromia</b>     | 788,730         | 431,855   | 356,875   | 225,413              | 156,990 | 68,423  | 988,235          | 360,810   | 627,425   | 65,394    | 17,579 | 47,815 |
| West Wellega      | 11,670          | 4,254     | 7,415     | *                    | *       | *       | 23,814           | 9,089     | 14,724    | -         | -      | -      |
| East Wellega      | 15,691          | 7,035     | 8,656     | 5,280                | 3,102   | 2,178   | 24,634           | 10,112    | 14,522    | -         | -      | -      |
| Illubabor         | 15,022          | 7,906     | 7,117     | 2,532                | 2,027   | *       | 33,354           | 13,655    | 19,699    | *         | *      | *      |
| Jimma             | 30,032          | 13,690    | 16,342    | 9,363                | 6,833   | 2,530   | 37,926           | 19,355    | 18,571    | 5,660     | *      | 4,321  |
| West Shewa        | 30,330          | 17,547    | 12,783    | 21,828               | 13,343  | 8,485   | 47,396           | 17,338    | 30,058    | *         | *      | *      |
| North Shewa       | 44,909          | 19,547    | 25,362    | 21,105               | 16,231  | 4,874   | 38,624           | 16,190    | 22,434    | -         | -      | -      |
| East Shewa        | 101,363         | 55,548    | 45,816    | 16,369               | 12,685  | 3,684   | 106,161          | 37,671    | 68,491    | *         | *      | *      |
| Arsi              | 89,530          | 49,558    | 39,972    | 36,468               | 22,749  | *       | 117,936          | 45,869    | 72,067    | 3,557     | 2,537  | *      |
| West Harerghe     | 106,596         | 65,924    | 40,672    | 21,410               | 19,450  | 1,960   | 106,920          | 37,208    | 69,713    | 13,896    | 4,563  | 9,333  |
| East Harerghe     | 130,092         | 63,112    | 66,979    | 25,701               | 19,316  | 6,385   | 92,117           | 29,590    | 62,527    | 13,131    | 3,216  | 9,916  |
| Bale              | 69,807          | 43,597    | 26,211    | 17,820               | 10,509  | 7,311   | 148,147          | 49,635    | 98,512    | 9,934     | *      | *      |
| Borena            | 84,842          | 51,247    | 33,595    | 25,082               | 15,211  | 9,870   | 142,072          | 48,822    | 93,249    | 9,368     | *      | 6,560  |
| South West Shewa  | 25,863          | 13,638    | 12,225    | 14,919               | 10,610  | 4,309   | 28,366           | 9,263     | 19,103    | *         | *      | *      |
| Guji              | 32,982          | 19,252    | 13,730    | 5,082                | 3,628   | 1,454   | 40,767           | 17,013    | 23,754    | *         | -      | *      |

TABLE 3-20 – c CONT'D

| Geographic Area         | Number of Sales |        |         | Number of Slaughters |        |        | Number of Deaths |         |         | Offerings |       |        |
|-------------------------|-----------------|--------|---------|----------------------|--------|--------|------------------|---------|---------|-----------|-------|--------|
|                         | Total           | Male   | Female  | Total                | Male   | Female | Total            | Male    | Female  | Total     | Male  | Female |
| <b>Somale</b>           | 62,650          | 39,003 | 23,647  | 20,095               | 12,813 | *      | 49,439           | 16,697  | 32,743  | 1,840     | 658   | 1,182  |
| Shinele                 | 10,821          | 6,465  | 4,356   | 2,581                | 1,754  | 827    | 13,233           | 3,845   | 9,388   | 678       | 152   | 525    |
| Jijiga                  | 27,537          | 21,928 | 5,610   | 3,247                | *      | *      | 20,190           | 8,196   | 11,994  | 636       | *     | 305    |
| Liben                   | 24,292          | 10,610 | *       | 14,266               | 8,495  | *      | 16,016           | 4,656   | 11,360  | *         | *     | *      |
| <b>Benshangul-Gumuz</b> | 47,372          | 25,653 | 21,718  | 33,635               | 23,251 | 10,384 | 143,686          | 52,285  | 91,401  | 2,050     | 892   | 1,158  |
| Metekel                 | 13,193          | 5,778  | 7,415   | 17,141               | 12,814 | 4,327  | 29,740           | 11,921  | 17,819  | *         | *     | *      |
| Asosa                   | 28,010          | 16,613 | 11,397  | 13,439               | 8,641  | 4,799  | 88,478           | 30,946  | 57,532  | 419       | *     | *      |
| Kemeshi                 | 6,168           | 3,262  | 2,906   | 3,055                | 1,797  | 1,258  | 25,468           | 9,418   | 16,050  | *         | *     | *      |
| <b>SNNP</b>             | 201,517         | 92,661 | 108,856 | 71,608               | 49,291 | 22,317 | 304,292          | 110,473 | 193,819 | 17,525    | 4,100 | 13,425 |
| Gurage                  | 15,247          | 6,404  | 8,842   | 4,536                | *      | *      | 12,565           | 4,627   | 7,938   | *         | *     | *      |
| Hadiya                  | 18,296          | 7,370  | 10,925  | 6,715                | 4,330  | 2,385  | 14,117           | 4,079   | 10,038  | *         | *     | *      |
| Kembata Tembaro         | 5,625           | 1,982  | 3,643   | 3,843                | *      | 2,403  | 4,202            | 1,861   | 2,341   | 1,431     | *     | 1,208  |
| Sidama                  | 32,680          | 13,063 | 19,617  | 4,567                | 3,798  | *      | 21,429           | 9,106   | 12,322  | *         | -     | *      |
| Gedio                   | 1,675           | *      | 1,207   | *                    | *      | *      | 1,919            | *       | *       | *         | *     | -      |
| Wolayita                | 12,551          | *      | 7,692   | *                    | *      | *      | *                | *       | *       | *         | -     | *      |
| South Omo               | 30,203          | 16,928 | 13,275  | 22,744               | 15,646 | 7,099  | 100,062          | 35,419  | 64,643  | *         | *     | *      |
| Shaka                   | 1,120           | 464    | 656     | 1,349                | 1,035  | 314    | 2,948            | 1,141   | 1,807   | *         | *     | *      |
| Kaffa                   | 11,451          | 7,059  | 4,392   | 6,974                | 5,320  | *      | 15,833           | 6,851   | 8,982   | 1,755     | *     | 1,630  |
| Gamo Gofa               | 23,806          | 11,559 | *       | 2,076                | 1,047  | *      | 25,484           | 9,661   | 15,822  | *         | *     | *      |
| Bench Maji              | 3,989           | 2,227  | 1,762   | 3,114                | *      | *      | 9,353            | 3,502   | 5,851   | *         | -     | *      |
| Yem Sp. Wereda          | 3,144           | 1,693  | 1,451   | *                    | *      | -      | 2,449            | 908     | 1,541   | 218       | *     | 194    |
| Amaro Sp. Wereda        | 3,231           | 1,413  | 1,817   | 883                  | 576    | 307    | 7,127            | 2,203   | 4,924   | *         | *     | *      |
| Burji Sp. Wereda        | 1,301           | 540    | 762     | 309                  | 280    | *      | 5,403            | 2,116   | 3,287   | *         | *     | *      |
| Konso Sp. Wereda        | 10,495          | 7,174  | 3,321   | 3,345                | 2,671  | *      | 29,863           | 9,354   | 20,508  | 782       | *     | *      |
| Derashe Sp. Wereda      | 2,655           | 1,248  | 1,406   | *                    | *      | *      | 6,463            | 2,992   | 3,470   | *         | -     | *      |
| Dawro                   | 4,916           | 1,856  | 3,059   | 1,017                | 668    | 349    | 6,095            | 1,850   | 4,245   | -         | -     | -      |
| Basketo Sp. Wereda      | *               | *      | *       | 348                  | 134    | 213    | 1,149            | 304     | 845     | *         | *     | *      |
| Konta Sp. Wereda        | 947             | 288    | 658     | 170                  | *      | *      | 2,747            | 1,204   | 1,543   | -         | -     | -      |
| Silte                   | 13,988          | 4,583  | 9,406   | 4,953                | 3,591  | 1,362  | 15,405           | 4,466   | 10,939  | *         | *     | *      |
| Alaba Sp. Wereda        | 3,709           | 1,245  | 2,463   | 1,678                | 1,096  | 581    | 6,749            | 1,778   | 4,971   | 322       | *     | 271    |
| <b>Harari</b>           | 2,413           | 1,342  | 1,071   | 1,204                | 874    | 330    | 3,341            | 1,306   | 2,035   | 718       | *     | 638    |
| Hundene                 | 2,413           | 1,342  | 1,071   | 1,204                | 874    | 330    | 3,341            | 1,306   | 2,035   | 718       | *     | 638    |
| <b>Addis Ababa</b>      | 473             | 262    | 212     | 602                  | 509    | 93     | 491              | 223     | 268     | *         | *     | *      |
| Zone 3                  | 303             | 150    | 153     | 445                  | 352    | 93     | 370              | 142     | 228     | *         | *     | *      |
| Zone 6                  | 171             | 111    | *       | 157                  | 157    | -      | 121              | 82      | *       | *         | *     | *      |
| <b>Dire Dawa</b>        | 11,292          | 8,226  | 3,066   | *                    | *      | *      | 28,144           | 8,722   | 19,422  | 2,518     | 650   | 1,868  |

#### d. Horses

| Geographic Area   | Number of Sales |         |        | Number of Deaths |        |        | Offerings |       |        |
|-------------------|-----------------|---------|--------|------------------|--------|--------|-----------|-------|--------|
|                   | Total           | Male    | Female | Total            | Male   | Female | Total     | Male  | Female |
| <b>Ethiopia</b>   | 191,554         | 128,034 | 63,520 | 167,390          | 83,199 | 84,191 | *         | 2,030 | *      |
| <b>Tigray</b>     | *               | *       | *      | *                | *      | *      | -         | -     | -      |
| North West Tigray | -               | -       | -      | -                | -      | -      | -         | -     | -      |
| Central Tigray    | -               | -       | -      | -                | -      | -      | -         | -     | -      |
| Eastern Tigray    | *               | -       | *      | *                | -      | *      | -         | -     | -      |
| Southern Tigray   | *               | *       | -      | *                | -      | *      | -         | -     | -      |
| Western Tigray    | -               | -       | -      | *                | *      | -      | -         | -     | -      |
| <b>Afar</b>       | *               | *       | *      | *                | *      | *      | -         | -     | -      |
| Zone 1            | -               | -       | -      | -                | -      | -      | -         | -     | -      |
| Zone 3            | *               | *       | *      | *                | *      | *      | -         | -     | -      |
| <b>Amhara</b>     | 30,942          | 17,406  | 13,536 | 34,831           | 17,269 | 17,562 | -         | -     | -      |
| North Gonder      | 2,754           | *       | *      | *                | *      | *      | -         | -     | -      |
| South Gonder      | *               | *       | *      | *                | *      | *      | -         | -     | -      |
| North Wolo        | 3,008           | *       | 1,733  | 3,229            | *      | 2,157  | -         | -     | -      |
| South Wolo        | 8,815           | 5,105   | 3,710  | *                | *      | *      | -         | -     | -      |
| North Shewa       | 3,470           | 2,436   | *      | 3,809            | 2,473  | *      | -         | -     | -      |
| East Gojam        | 5,279           | 3,482   | 1,798  | 6,793            | 3,505  | 3,288  | -         | -     | -      |
| West Gojam        | *               | *       | -      | 2,582            | *      | 1,792  | -         | -     | -      |
| Waghamera         | -               | -       | -      | -                | -      | -      | -         | -     | -      |
| Awi               | 2,829           | 1,436   | *      | 5,811            | 3,397  | 2,415  | -         | -     | -      |
| Oromia            | *               | *       | -      | -                | -      | -      | -         | -     | -      |
| <b>Oromia</b>     | 138,198         | 98,826  | 39,372 | 96,124           | 47,107 | 49,017 | *         | 1,364 | *      |
| West Wellega      | *               | *       | -      | *                | *      | *      | -         | -     | -      |
| East Wellega      | 1,443           | *       | *      | 5,480            | 2,756  | *      | -         | -     | -      |
| Illubabor         | *               | *       | 1,684  | 5,424            | 2,821  | 2,603  | -         | -     | -      |
| Jimma             | 7,411           | 4,426   | 2,985  | 9,854            | 2,664  | 7,190  | *         | *     | *      |
| West Shewa        | *               | *       | *      | 17,015           | 9,774  | 7,241  | *         | *     | *      |
| North Shewa       | 4,434           | 2,821   | 1,613  | 5,180            | 2,896  | *      | *         | -     | *      |
| East Shewa        | *               | *       | *      | 5,022            | 4,450  | *      | -         | -     | -      |
| Arsi              | 16,503          | 10,189  | 6,315  | 13,990           | 5,653  | 8,336  | *         | -     | *      |
| West Harerghe     | *               | *       | *      | *                | *      | *      | -         | -     | -      |
| East Harerghe     | -               | -       | -      | *                | *      | -      | *         | -     | *      |
| Bale              | 10,521          | 5,221   | *      | 21,146           | 9,078  | 12,068 | *         | *     | -      |
| Borena            | *               | *       | -      | *                | *      | -      | -         | -     | -      |
| South West Shewa  | *               | *       | *      | 2,370            | 2,240  | *      | -         | -     | -      |
| Guji              | 4,852           | 3,533   | 1,319  | 8,227            | 3,356  | 4,870  | *         | -     | *      |

TABLE 3-20 – d CONT'D

| Geographic Area         | Number of Sales |        |        | Number of Deaths |        |        | Offerings |      |        |
|-------------------------|-----------------|--------|--------|------------------|--------|--------|-----------|------|--------|
|                         | Total           | Male   | Female | Total            | Male   | Female | Total     | Male | Female |
| <b>Somale</b>           | -               | -      | -      | *                | *      | *      | *         | *    | 7      |
| Shinele                 | -               | -      | -      | -                | -      | -      | 10        | 3    | 7      |
| Jijiga                  | -               | -      | -      | *                | *      | *      | *         | *    | -      |
| Liben                   | -               | -      | -      | *                | -      | *      | -         | -    | -      |
| <b>Benshangul-Gumuz</b> | *               | *      | *      | *                | *      | 752    | -         | -    | -      |
| Metekel                 | *               | *      | -      | *                | -      | *      | -         | -    | -      |
| Asosa                   | *               | *      | *      | *                | *      | *      | -         | -    | -      |
| Kemeshi                 | *               | *      | -      | -                | -      | -      | -         | -    | -      |
| <b>SNNP</b>             | 21,124          | 11,025 | 10,099 | 34,244           | 18,177 | 16,067 | 1,472     | *    | *      |
| Gurage                  | 1,824           | 1,300  | *      | 2,196            | *      | 1,332  | *         | *    | *      |
| Hadiya                  | *               | *      | *      | 3,111            | 1,778  | 1,332  | -         | -    | -      |
| Kembata Tembaro         | *               | *      | *      | *                | *      | *      | *         | -    | *      |
| Sidama                  | 4,520           | 1,852  | 2,667  | 4,235            | *      | *      | -         | -    | -      |
| Gedio                   | 656             | 549    | *      | 1,438            | 1,296  | *      | *         | *    | -      |
| Wolayita                | *               | *      | *      | *                | *      | *      | -         | -    | -      |
| South Omo               | 776             | 543    | *      | *                | *      | *      | -         | -    | -      |
| Shaka                   | 399             | 306    | *      | *                | 195    | *      | *         | *    | *      |
| Kaffa                   | 3,205           | 1,942  | 1,264  | 5,691            | 3,446  | 2,245  | *         | -    | *      |
| Gamo Gofa               | 1,259           | *      | *      | *                | *      | *      | -         | -    | -      |
| Bench Maji              | 722             | 542    | *      | *                | 617    | *      | *         | *    | -      |
| Yem Sp. Wereda          | *               | *      | -      | *                | -      | *      | -         | -    | -      |
| Amaro Sp. Wereda        | *               | -      | *      | *                | -      | *      | -         | -    | -      |
| Burji Sp. Wereda        | -               | -      | -      | -                | -      | -      | -         | -    | -      |
| Konso Sp. Wereda        | -               | -      | -      | -                | -      | -      | -         | -    | -      |
| Derashe Sp. Wereda      | -               | -      | -      | -                | -      | -      | -         | -    | -      |
| Dawro                   | *               | *      | -      | 621              | *      | 312    | -         | -    | -      |
| Basketo Sp. Wereda      | *               | *      | -      | *                | *      | *      | -         | -    | -      |
| Konta Sp. Wereda        | *               | *      | -      | *                | *      | *      | -         | -    | -      |
| Silte                   | 647             | *      | *      | *                | *      | *      | -         | -    | -      |
| Alaba Sp. Wereda        | *               | *      | -      | *                | *      | *      | -         | -    | -      |
| <b>Harari</b>           | -               | -      | -      | *                | -      | *      | -         | -    | -      |
| Hundene                 | -               | -      | -      | *                | -      | *      | -         | -    | -      |
| <b>Addis Ababa</b>      | *               | *      | -      | *                | *      | -      | -         | -    | -      |
| Zone 3                  | -               | -      | -      | *                | *      | -      | -         | -    | -      |
| Zone 6                  | *               | *      | -      | -                | -      | -      | -         | -    | -      |
| <b>Dire Dawa</b>        | -               | -      | -      | *                | *      | *      | -         | -    | -      |



## e. Donkeys

| Geographic Area   | Number of Sales |         |         | Number of Deaths |         |         | Offerings |       |        |
|-------------------|-----------------|---------|---------|------------------|---------|---------|-----------|-------|--------|
|                   | Total           | Male    | Female  | Total            | Male    | Female  | Total     | Male  | Female |
| <b>Ethiopia</b>   | 258,162         | 153,775 | 104,387 | 256,746          | 121,827 | 134,919 | 9,081     | 3,818 | 5,263  |
| <b>Tigray</b>     | 29,842          | 19,077  | 10,765  | 25,016           | 12,977  | 12,039  | *         | *     | -      |
| North West Tigray | 3,048           | 1,765   | 1,283   | 4,253            | 1,931   | 2,322   | *         | *     | -      |
| Central Tigray    | 6,201           | 3,879   | 2,323   | 5,349            | 2,548   | 2,801   | *         | *     | -      |
| Eastern Tigray    | 7,592           | 4,391   | 3,200   | 3,630            | 2,002   | 1,628   | *         | *     | -      |
| Southern Tigray   | 11,169          | 7,970   | 3,199   | 8,638            | 4,772   | 3,865   | -         | -     | -      |
| Western Tigray    | *               | *       | *       | 3,146            | 1,724   | 1,423   | -         | -     | -      |
| <b>Afar</b>       | 197             | *       | *       | 502              | *       | 261     | -         | -     | -      |
| Zone 1            | -               | -       | -       | *                | *       | *       | -         | -     | -      |
| Zone 3            | 197             | *       | *       | 434              | *       | 243     | -         | -     | -      |
| <b>Amhara</b>     | 119,345         | 66,377  | 52,968  | 77,602           | 29,470  | 48,132  | 2,139     | 1,565 | *      |
| North Gonder      | 14,924          | 8,809   | 6,115   | 11,725           | 6,417   | 5,309   | -         | -     | -      |
| South Gonder      | 13,954          | 6,815   | 7,139   | 10,010           | 2,955   | 7,055   | *         | *     | *      |
| North Wolo        | 16,824          | 8,271   | 8,552   | 5,918            | 2,792   | 3,126   | *         | *     | *      |
| South Wolo        | 30,168          | 18,193  | 11,974  | 9,829            | 2,877   | 6,952   | -         | -     | -      |
| North Shewa       | 13,112          | 6,919   | 6,193   | 11,987           | 3,084   | 8,903   | *         | *     | -      |
| East Gojam        | 12,111          | 6,301   | 5,811   | 11,091           | 5,047   | 6,043   | *         | *     | -      |
| West Gojam        | 9,006           | 5,463   | 3,542   | 10,117           | 3,101   | 7,016   | -         | -     | -      |
| Waghamera         | 2,965           | 1,867   | 1,098   | 2,539            | 1,446   | 1,094   | -         | -     | -      |
| Awi               | 4,263           | 2,820   | 1,443   | 3,608            | 1,334   | 2,274   | -         | -     | -      |
| Oromia            | 2,019           | 918     | 1,101   | 778              | 417     | *       | *         | -     | *      |
| <b>Oromia</b>     | 84,192          | 52,008  | 32,184  | 124,433          | 63,610  | 60,823  | 5,435     | *     | 4,339  |
| West Wellega      | 4,648           | 3,084   | 1,564   | 8,207            | 4,146   | 4,061   | -         | -     | -      |
| East Wellega      | 4,741           | 3,961   | 779     | 17,070           | *       | 3,799   | -         | -     | -      |
| Illubabor         | *               | *       | *       | *                | 763     | *       | -         | -     | -      |
| Jimma             | 4,004           | 2,785   | 1,218   | 6,319            | 3,706   | 2,613   | -         | -     | -      |
| West Shewa        | 7,615           | 5,162   | 2,453   | 12,572           | 5,052   | 7,519   | *         | -     | *      |
| North Shewa       | 8,975           | 6,303   | 2,672   | 8,630            | 3,534   | 5,096   | *         | *     | *      |
| East Shewa        | 9,835           | 6,113   | 3,721   | 11,130           | 4,136   | 6,994   | *         | -     | *      |
| Arsi              | 17,945          | 9,289   | 8,656   | 18,388           | 9,077   | 9,311   | *         | -     | *      |
| West Harerghe     | 2,199           | 1,759   | *       | 7,926            | 4,664   | 3,262   | *         | *     | *      |
| East Harerghe     | 3,462           | 1,739   | 1,723   | 5,388            | 2,608   | 2,780   | *         | *     | -      |
| Bale              | 11,602          | 5,456   | 6,147   | 11,683           | 5,705   | 5,978   | -         | -     | -      |
| Borena            | 940             | *       | 592     | 2,765            | *       | 1,608   | -         | -     | -      |
| South West Shewa  | 5,836           | 3,981   | 1,855   | 9,191            | 4,018   | 5,173   | *         | -     | *      |
| Guji              | *               | *       | -       | 3,628            | 1,772   | *       | -         | -     | -      |

TABLE 3-20 – e CONT'D

| Geographic Area         | Number of Sales |        |        | Number of Deaths |       |        | Offerings |      |        |
|-------------------------|-----------------|--------|--------|------------------|-------|--------|-----------|------|--------|
|                         | Total           | Male   | Female | Total            | Male  | Female | Total     | Male | Female |
| <b>Somale</b>           | 452             | 282    | *      | 1,167            | 677   | 490    | *         | *    | -      |
| Shinele                 | 24              | 24     | -      | 98               | 45    | 54     | -         | -    | -      |
| Jijiga                  | 324             | *      | *      | *                | *     | *      | *         | *    | -      |
| Liben                   | *               | *      | *      | 613              | *     | *      | -         | -    | -      |
| <b>Benshangul-Gumuz</b> | 4,985           | 4,597  | 389    | 6,090            | 4,021 | 2,069  | *         | *    | -      |
| Metekel                 | 2,704           | 2,704  | -      | 1,576            | 1,275 | *      | -         | -    | -      |
| Asosa                   | 1,686           | 1,349  | 337    | 3,180            | 1,551 | 1,629  | *         | *    | -      |
| Kemeshi                 | 595             | 543    | *      | 1,334            | 1,194 | *      | -         | -    | -      |
| <b>SNNP</b>             | 18,591          | 11,051 | 7,541  | 20,114           | 9,904 | 10,210 | 854       | *    | *      |
| Gurage                  | 1,745           | 1,341  | *      | 2,560            | 1,844 | *      | *         | *    | -      |
| Hadiya                  | 2,989           | 1,883  | 1,106  | 2,711            | 758   | 1,953  | -         | -    | -      |
| Kembata Tembaro         | 2,381           | 1,963  | *      | 559              | 448   | *      | -         | -    | -      |
| Sidama                  | 4,438           | *      | 2,881  | 4,665            | *     | 3,422  | -         | -    | -      |
| Gedio                   | *               | *      | -      | *                | *     | -      | -         | -    | -      |
| Wolayita                | 2,430           | 2,014  | *      | 1,314            | 877   | *      | -         | -    | -      |
| South Omo               | 475             | 321    | *      | *                | *     | *      | *         | -    | *      |
| Shaka                   | *               | *      | -      | *                | *     | -      | -         | -    | -      |
| Kaffa                   | *               | *      | -      | *                | *     | *      | -         | -    | -      |
| Gamo Gofa               | -               | -      | -      | 1,370            | 1,155 | *      | -         | -    | -      |
| Bench Maji              | -               | -      | -      | -                | -     | -      | -         | -    | -      |
| Yem Sp. Wereda          | 169             | 147    | *      | *                | *     | *      | -         | -    | -      |
| Amaro Sp. Wereda        | -               | -      | -      | *                | *     | -      | -         | -    | -      |
| Burji Sp. Wereda        | *               | *      | *      | 139              | 80    | 59     | -         | -    | -      |
| Konso Sp. Wereda        | *               | *      | -      | 538              | 420   | *      | *         | -    | *      |
| Derashe Sp. Wereda      | *               | *      | *      | 200              | *     | *      | *         | *    | -      |
| Dawro                   | *               | *      | *      | *                | *     | -      | -         | -    | -      |
| Basketo Sp. Wereda      | -               | -      | -      | -                | -     | -      | -         | -    | -      |
| Konta Sp. Wereda        | -               | -      | -      | *                | -     | *      | -         | -    | -      |
| Silte                   | 2,133           | 581    | 1,552  | 2,513            | 945   | 1,568  | *         | *    | -      |
| Alaba Sp. Wereda        | 862             | 418    | 443    | 859              | *     | 751    | *         | -    | *      |
| <b>Harari</b>           | *               | *      | -      | 266              | 221   | *      | *         | *    | *      |
| Hundene                 | *               | *      | -      | 266              | 221   | *      | *         | *    | *      |
| <b>Addis Ababa</b>      | 215             | 172    | 43     | 442              | 299   | 143    | -         | -    | -      |
| Zone 3                  | 172             | 172    | -      | 271              | 218   | *      | -         | -    | -      |
| Zone 6                  | 43              | -      | 43     | 171              | 81    | *      | -         | -    | -      |
| <b>Dire Dawa</b>        | *               | *      | *      | 1,114            | *     | 707    | *         | *    | *      |



TABLE 3-20 – f CONT'D

| Geographic Area         | Number of Sales |       |        | Number of Deaths |       |        | Offerings |      |        |
|-------------------------|-----------------|-------|--------|------------------|-------|--------|-----------|------|--------|
|                         | Total           | Male  | Female | Total            | Male  | Female | Total     | Male | Female |
| <b>Somale</b>           | *               | *     | -      | *                | -     | *      | -         | -    | -      |
| Shinele                 | -               | -     | -      | -                | -     | -      | -         | -    | -      |
| Jijiga                  | *               | *     | -      | -                | -     | -      | -         | -    | -      |
| Liben                   | -               | -     | -      | *                | -     | *      | -         | -    | -      |
| <b>Benshangul-Gumuz</b> | *               | *     | -      | *                | *     | *      | -         | -    | -      |
| Metekel                 | *               | *     | -      | *                | *     | *      | -         | -    | -      |
| Asosa                   | -               | -     | -      | *                | *     | -      | -         | -    | -      |
| Kemeshi                 | -               | -     | -      | *                | -     | *      | -         | -    | -      |
| <b>SNNP</b>             | 3,220           | 2,429 | 791    | 4,898            | 3,192 | *      | *         | *    | -      |
| Gurage                  | -               | -     | -      | *                | *     | *      | -         | -    | -      |
| Hadiya                  | 736             | *     | *      | *                | *     | -      | -         | -    | -      |
| Kembata Tembaro         | -               | -     | -      | *                | *     | -      | *         | *    | -      |
| Sidama                  | -               | -     | -      | -                | -     | -      | -         | -    | -      |
| Gedio                   | *               | *     | -      | *                | *     | -      | -         | -    | -      |
| Wolayita                | *               | *     | -      | -                | -     | -      | -         | -    | -      |
| South Omo               | *               | *     | *      | *                | *     | -      | -         | -    | -      |
| Shaka                   | -               | -     | -      | -                | -     | -      | -         | -    | -      |
| Kaffa                   | 914             | *     | *      | 885              | 754   | *      | -         | -    | -      |
| Gamo Gofa               | -               | -     | -      | *                | -     | *      | -         | -    | -      |
| Bench Maji              | *               | -     | *      | -                | -     | -      | -         | -    | -      |
| Yem Sp. Wereda          | *               | -     | *      | -                | -     | -      | -         | -    | -      |
| Amaro Sp. Wereda        | *               | *     | -      | -                | -     | -      | -         | -    | -      |
| Burji Sp. Wereda        | -               | -     | -      | -                | -     | -      | -         | -    | -      |
| Konso Sp. Wereda        | -               | -     | -      | -                | -     | -      | -         | -    | -      |
| Derashe Sp. Wereda      | -               | -     | -      | -                | -     | -      | -         | -    | -      |
| Dawro                   | *               | *     | *      | *                | *     | *      | -         | -    | -      |
| Basketo Sp. Wereda      | 68              | *     | *      | *                | *     | *      | -         | -    | -      |
| Konta Sp. Wereda        | *               | -     | *      | *                | *     | *      | *         | *    | -      |
| Silte                   | *               | *     | -      | *                | 929   | *      | -         | -    | -      |
| Alaba Sp. Wereda        | -               | -     | -      | -                | -     | -      | -         | -    | -      |
| <b>Harari</b>           | -               | -     | -      | -                | -     | -      | -         | -    | -      |
| Hundene                 | -               | -     | -      | -                | -     | -      | -         | -    | -      |
| <b>Addis Ababa</b>      | -               | -     | -      | *                | *     | -      | -         | -    | -      |
| Zone 3                  | -               | -     | -      | *                | *     | -      | -         | -    | -      |
| Zone 6                  | -               | -     | -      | -                | -     | -      | -         | -    | -      |
| <b>Dire Dawa</b>        | -               | -     | -      | *                | *     | -      | -         | -    | -      |

## g. Camels

| Geographic Area   | Number of Sales |        |        | Number of Slaughters |       |        | Number of Deaths |        |        | Offerings |      |        |
|-------------------|-----------------|--------|--------|----------------------|-------|--------|------------------|--------|--------|-----------|------|--------|
|                   | Total           | Male   | Female | Total                | Male  | Female | Total            | Male   | Female | Total     | Male | Female |
| <b>Ethiopia</b>   | 19,662          | 15,958 | 3,704  | 6,935                | 4,468 | 2,468  | 28,151           | 11,486 | 16,666 | 1,228     | *    | *      |
| <b>Tigray</b>     | 4,341           | 4,341  | -      | *                    | *     | *      | 1,822            | *      | *      | *         | *    | *      |
| North West Tigray | *               | *      | -      | *                    | *     | *      | *                | *      | -      | -         | -    | -      |
| Central Tigray    | *               | *      | -      | -                    | -     | -      | -                | -      | -      | -         | -    | -      |
| Eastern Tigray    | -               | -      | -      | -                    | -     | -      | -                | -      | -      | -         | -    | -      |
| Southern Tigray   | 3,469           | 3,469  | -      | -                    | -     | -      | *                | *      | -      | *         | *    | *      |
| Western Tigray    | *               | *      | -      | -                    | -     | -      | *                | -      | *      | -         | -    | -      |
| <b>Afar</b>       | 1,935           | 1,707  | 228    | *                    | 354   | *      | 6,446            | 2,256  | 4,189  | *         | *    | *      |
| Zone 1            | *               | *      | *      | -                    | -     | -      | 1,671            | 848    | *      | *         | *    | -      |
| Zone 3            | 1,721           | 1,520  | 202    | *                    | 354   | *      | 4,775            | 1,408  | 3,367  | *         | *    | *      |
| <b>Amhara</b>     | 4,951           | 4,439  | *      | *                    | *     | -      | *                | *      | *      | -         | -    | -      |
| North Gonder      | *               | -      | *      | *                    | *     | -      | -                | -      | -      | -         | -    | -      |
| South Gonder      | -               | -      | -      | -                    | -     | -      | -                | -      | -      | -         | -    | -      |
| North Wolo        | *               | *      | -      | -                    | -     | -      | *                | -      | *      | -         | -    | -      |
| South Wolo        | *               | *      | -      | *                    | *     | -      | -                | -      | -      | -         | -    | -      |
| North Shewa       | *               | *      | -      | -                    | -     | -      | -                | -      | -      | -         | -    | -      |
| East Gojam        | -               | -      | -      | -                    | -     | -      | -                | -      | -      | -         | -    | -      |
| West Gojam        | -               | -      | -      | -                    | -     | -      | -                | -      | -      | -         | -    | -      |
| Waghamera         | *               | -      | *      | -                    | -     | -      | *                | *      | *      | -         | -    | -      |
| Awi               | -               | -      | -      | -                    | -     | -      | -                | -      | -      | -         | -    | -      |
| Oromia            | *               | *      | -      | -                    | -     | -      | *                | *      | -      | -         | -    | -      |
| <b>Oromia</b>     | 6,380           | 3,896  | 2,484  | *                    | *     | *      | 14,341           | 5,103  | *      | *         | *    | *      |
| West Wellega      | -               | -      | -      | -                    | -     | -      | -                | -      | -      | -         | -    | -      |
| East Wellega      | -               | -      | -      | -                    | -     | -      | *                | -      | *      | -         | -    | -      |
| Illubabor         | -               | -      | -      | -                    | -     | -      | -                | -      | -      | -         | -    | -      |
| Jimma             | *               | *      | -      | -                    | -     | -      | -                | -      | -      | -         | -    | -      |
| West Shewa        | *               | *      | *      | -                    | -     | -      | *                | *      | -      | -         | -    | -      |
| North Shewa       | -               | -      | -      | -                    | -     | -      | -                | -      | -      | -         | -    | -      |
| East Shewa        | *               | *      | *      | -                    | -     | -      | *                | *      | *      | -         | -    | -      |
| Arsi              | *               | -      | *      | -                    | -     | -      | -                | -      | -      | -         | -    | -      |
| West Harerghe     | *               | *      | *      | *                    | *     | *      | *                | *      | *      | *         | -    | *      |
| East Harerghe     | -               | -      | -      | -                    | -     | -      | -                | -      | -      | -         | -    | -      |
| Bale              | -               | -      | -      | *                    | -     | *      | *                | *      | *      | -         | -    | -      |
| Borena            | *               | *      | -      | *                    | *     | -      | *                | *      | *      | *         | *    | -      |
| South West Shewa  | -               | -      | -      | -                    | -     | -      | -                | -      | -      | -         | -    | -      |
| Guji              | *               | *      | -      | -                    | -     | -      | *                | *      | *      | -         | -    | -      |

TABLE 3-20 – g CONT'D

| Geographic Area         | Number of Sales |       |        | Number of Slaughters |      |        | Number of Deaths |      |        | Offerings |      |        |
|-------------------------|-----------------|-------|--------|----------------------|------|--------|------------------|------|--------|-----------|------|--------|
|                         | Total           | Male  | Female | Total                | Male | Female | Total            | Male | Female | Total     | Male | Female |
| <b>Somale</b>           | 1,919           | 1,463 | *      | 488                  | 463  | *      | 2,526            | 998  | 1,527  | -         | -    | -      |
| Shinele                 | 58              | 39    | 20     | -                    | -    | -      | 193              | 141  | 53     | -         | -    | -      |
| Jijiga                  | *               | *     | -      | *                    | *    | -      | *                | *    | *      | -         | -    | -      |
| Liben                   | *               | 1,247 | *      | 442                  | 417  | *      | 1,948            | 571  | 1,377  | -         | -    | -      |
| <b>Benshangul-Gumuz</b> | -               | -     | -      | -                    | -    | -      | -                | -    | -      | -         | -    | -      |
| Metekel                 | -               | -     | -      | -                    | -    | -      | -                | -    | -      | -         | -    | -      |
| Asosa                   | -               | -     | -      | -                    | -    | -      | -                | -    | -      | -         | -    | -      |
| Kemeshi                 | -               | -     | -      | -                    | -    | -      | -                | -    | -      | -         | -    | -      |
| <b>SNNP</b>             | *               | *     | -      | *                    | *    | -      | *                | *    | *      | -         | -    | -      |
| Gurage                  | -               | -     | -      | -                    | -    | -      | -                | -    | -      | -         | -    | -      |
| Hadiya                  | -               | -     | -      | -                    | -    | -      | -                | -    | -      | -         | -    | -      |
| Kembata Tembaro         | -               | -     | -      | -                    | -    | -      | -                | -    | -      | -         | -    | -      |
| Sidama                  | -               | -     | -      | -                    | -    | -      | -                | -    | -      | -         | -    | -      |
| Gedio                   | -               | -     | -      | -                    | -    | -      | -                | -    | -      | -         | -    | -      |
| Wolayita                | -               | -     | -      | -                    | -    | -      | -                | -    | -      | -         | -    | -      |
| South Omo               | -               | -     | -      | *                    | *    | -      | -                | -    | -      | -         | -    | -      |
| Shaka                   | -               | -     | -      | -                    | -    | -      | -                | -    | -      | -         | -    | -      |
| Kaffa                   | -               | -     | -      | -                    | -    | -      | *                | *    | *      | -         | -    | -      |
| Gamo Gofa               | -               | -     | -      | -                    | -    | -      | -                | -    | -      | -         | -    | -      |
| Bench Maji              | -               | -     | -      | -                    | -    | -      | -                | -    | -      | -         | -    | -      |
| Yem Sp. Wereda          | *               | *     | -      | -                    | -    | -      | -                | -    | -      | -         | -    | -      |
| Amaro Sp. Wereda        | -               | -     | -      | -                    | -    | -      | -                | -    | -      | -         | -    | -      |
| Burji Sp. Wereda        | -               | -     | -      | -                    | -    | -      | -                | -    | -      | -         | -    | -      |
| Konso Sp. Wereda        | -               | -     | -      | -                    | -    | -      | -                | -    | -      | -         | -    | -      |
| Derashe Sp. Wereda      | -               | -     | -      | -                    | -    | -      | -                | -    | -      | -         | -    | -      |
| Dawro                   | -               | -     | -      | -                    | -    | -      | -                | -    | -      | -         | -    | -      |
| Basketo Sp. Wereda      | -               | -     | -      | -                    | -    | -      | -                | -    | -      | -         | -    | -      |
| Konta Sp. Wereda        | -               | -     | -      | -                    | -    | -      | -                | -    | -      | -         | -    | -      |
| Silte                   | -               | -     | -      | -                    | -    | -      | -                | -    | -      | -         | -    | -      |
| Alaba Sp. Wereda        | -               | -     | -      | -                    | -    | -      | -                | -    | -      | -         | -    | -      |
| <b>Harari</b>           | *               | *     | -      | -                    | -    | -      | *                | -    | *      | -         | -    | -      |
| Hundene                 | *               | *     | -      | -                    | -    | -      | *                | -    | *      | -         | -    | -      |
| <b>Addis Ababa</b>      | -               | -     | -      | -                    | -    | -      | -                | -    | -      | -         | -    | -      |
| Zone 3                  | -               | -     | -      | -                    | -    | -      | -                | -    | -      | -         | -    | -      |
| Zone 6                  | -               | -     | -      | -                    | -    | -      | -                | -    | -      | -         | -    | -      |
| <b>Dire Dawa</b>        | *               | *     | *      | *                    | *    | *      | 692              | 438  | 255    | *         | *    | *      |

## h. Poultry

| Geographic Area   | Total Number of Sales | Total Number of Slaughters | Total Number of Deaths | Offerings |
|-------------------|-----------------------|----------------------------|------------------------|-----------|
| <b>Ethiopia</b>   | 7,528,202             | 7,556,883                  | 26,087,604             | 301,878   |
| <b>Tigray</b>     | 1,017,266             | 1,447,022                  | 2,524,800              | 41,132    |
| North West Tigray | 245,156               | 500,657                    | 902,988                | 17,706    |
| Central Tigray    | 362,033               | 417,156                    | 592,134                | 4,595     |
| Eastern Tigray    | 132,331               | 106,020                    | 280,284                | 4,284     |
| Southern Tigray   | 220,165               | 230,165                    | 253,818                | 4,917     |
| Western Tigray    | 57,580                | 193,024                    | 495,575                | *         |
| <b>Afar</b>       | 4,437                 | 11,446                     | 26,460                 | *         |
| Zone 1            | *                     | *                          | *                      | -         |
| Zone 3            | 4,404                 | 11,398                     | 26,431                 | *         |
| <b>Amhara</b>     | 2,932,590             | 3,547,586                  | 6,844,734              | 67,598    |
| North Gondar      | 522,850               | 990,541                    | 1,954,499              | 17,104    |
| South Gondar      | 348,196               | 386,190                    | 954,810                | 11,518    |
| North Wolo        | 418,656               | 427,758                    | 405,758                | 5,817     |
| South Wolo        | 396,353               | 251,057                    | 463,866                | *         |
| North Shewa       | 297,972               | 504,200                    | 767,418                | 12,470    |
| East Gojam        | 214,125               | 117,617                    | 301,081                | 5,004     |
| West Gojam        | 329,715               | 516,602                    | 1,241,686              | 4,888     |
| Waghamera         | 134,037               | 95,871                     | 155,454                | 3,118     |
| Awi               | 143,870               | 202,486                    | 439,968                | 3,195     |
| Oromia            | 126,816               | 55,264                     | 160,194                | 1,488     |
| <b>Oromia</b>     | 2,471,682             | 1,733,898                  | 10,566,086             | 124,076   |
| West Wellega      | 231,122               | 300,665                    | 1,542,617              | 3,883     |
| East Wellega      | 142,221               | 108,525                    | 845,927                | 2,175     |
| Illubabor         | 112,843               | 129,921                    | 778,053                | 3,912     |
| Jimma             | 213,216               | 160,056                    | 1,164,863              | 14,965    |
| West Shewa        | 237,898               | 249,359                    | 991,359                | 6,356     |
| North Shewa       | 127,792               | 79,031                     | 464,716                | 5,003     |
| East Shewa        | 320,730               | 85,243                     | 660,042                | 4,617     |
| Arsi              | 403,587               | 216,613                    | 1,179,846              | 24,700    |
| West Harerghe     | 129,676               | 134,241                    | 743,807                | 22,447    |
| East Harerghe     | 126,329               | 46,775                     | 725,623                | 14,066    |
| Bale              | 159,125               | 54,183                     | 504,796                | 14,610    |
| Borena            | 74,350                | 48,242                     | 237,193                | 3,512     |
| South West Shewa  | 138,931               | 87,408                     | 463,827                | 2,593     |
| Guji              | 53,861                | 33,637                     | 263,415                | *         |

TABLE 3-20 – h CONT'D

| Geographic Area         | Total Number of Sales | Total Number of Slaughters | Total Number of Deaths | Offerings |
|-------------------------|-----------------------|----------------------------|------------------------|-----------|
| <b>Somale</b>           | 1,806                 | 1,850                      | 19,218                 | *         |
| Shinele                 | 547                   | 393                        | 2,753                  | *         |
| Jijiga                  | *                     | -                          | 7,037                  | -         |
| Liben                   | 911                   | 1,457                      | 9,428                  | *         |
| <b>Benshangul-Gumuz</b> | 157,277               | 221,860                    | 1,014,028              | 4,557     |
| Metekel                 | 59,535                | 122,089                    | 352,900                | 1,899     |
| Asosa                   | 80,260                | 79,102                     | 550,414                | 2,022     |
| Kemeshi                 | 17,482                | 20,669                     | 110,714                | 636       |
| <b>SNNP</b>             | 925,174               | 585,629                    | 5,020,409              | 62,135    |
| Gurage                  | 75,271                | 43,168                     | 267,559                | 7,566     |
| Hadiya                  | 126,079               | 58,265                     | 550,630                | 9,679     |
| Kembata Tembaro         | 39,266                | 29,998                     | 196,398                | 3,638     |
| Sidama                  | 184,216               | 56,225                     | 490,089                | *         |
| Gedio                   | 42,765                | 32,532                     | 198,627                | *         |
| Wolayita                | 84,078                | 8,177                      | 263,201                | 4,057     |
| South Omo               | 28,706                | 32,784                     | 281,195                | 3,263     |
| Shaka                   | 20,338                | 33,501                     | 183,146                | 1,853     |
| Kaffa                   | 61,214                | 99,654                     | 801,686                | 5,940     |
| Gamo Gofa               | 49,656                | 22,722                     | 403,524                | *         |
| Bench Maji              | 66,822                | 103,864                    | 583,538                | 5,683     |
| Yem Sp. Wereda          | 6,379                 | 891                        | 17,370                 | *         |
| Amaro Sp. Wereda        | 7,767                 | 5,177                      | 43,449                 | *         |
| Burji Sp. Wereda        | 2,180                 | 1,588                      | 21,872                 | *         |
| Konso Sp. Wereda        | 6,376                 | 4,341                      | 85,746                 | 1,337     |
| Derashe Sp. Wereda      | 5,553                 | 2,416                      | 45,662                 | *         |
| Dawro                   | 19,998                | 2,044                      | 91,316                 | *         |
| Basketo Sp. Wereda      | 2,588                 | 5,434                      | 33,315                 | 334       |
| Konta Sp. Wereda        | 3,657                 | 1,341                      | 51,248                 | *         |
| Silte                   | 76,724                | 38,190                     | 328,349                | 1,717     |
| Alaba Sp. Wereda        | 15,541                | 3,319                      | 82,488                 | *         |
| <b>Harari</b>           | 6,339                 | 1,061                      | 20,688                 | 535       |
| Hundene                 | 6,339                 | 1,061                      | 20,688                 | 535       |
| <b>Addis Ababa</b>      | 6,097                 | 5,841                      | 19,716                 | 140       |
| Zone 3                  | 4,792                 | 3,218                      | 13,764                 | 122       |
| Zone 6                  | 1,305                 | 2,623                      | 5,952                  | *         |
| <b>Dire Dawa</b>        | 5,534                 | 688                        | 31,464                 | 894       |



TABLE 3-21: NUMBER OF DAIRY ANIMALS, MILK PRODUCTION, AND LACTATION PERIOD BY ZONE AND REGION

| Geographic Area   | Number Of Dairy Cows | Number Of Milking Cows | Average Daily Milk Prod. | Average Lactation Period (Months) | Total Milk Production (Lt) | Number Of Dairy Camels | Number Of Milking Camels | Average Daily Milk Prod. | Average Lactation Period (Months) | Total Milk Production (Lt) |
|-------------------|----------------------|------------------------|--------------------------|-----------------------------------|----------------------------|------------------------|--------------------------|--------------------------|-----------------------------------|----------------------------|
| <b>Ethiopia</b>   | 6,217,640            | 8,184,045              | 1.357                    | 6                                 | 2,318,029,308              | 129,583                | *                        | 3.667                    | 11                                | 95,793,359                 |
| <b>Tigray</b>     | 44,961               | 483,460                | 1.495                    | 7                                 | 143,569,499                | -                      | *                        | *                        | *                                 | -                          |
| North West Tigray | 8,540                | 126,236                | 2.519                    | 7                                 | 53,719,326                 | -                      | -                        | *                        | -                                 | -                          |
| Central Tigray    | 17,774               | 87,337                 | 0.992                    | 7                                 | 18,221,343                 | -                      | *                        | -                        | -                                 | -                          |
| Eastern Tigray    | 3,424                | 52,176                 | 1.159                    | 6                                 | 10,645,108                 | -                      | -                        | -                        | -                                 | -                          |
| Southern Tigray   | 12,675               | 120,712                | 1.181                    | 8                                 | 34,972,920                 | -                      | *                        | -                        | -                                 | -                          |
| Western Tigray    | 2,548                | 96,999                 | 1.495                    | 5                                 | 26,010,802                 | -                      | *                        | -                        | *                                 | -                          |
| <b>Afar</b>       | 97,006               | 77,915                 | 2.061                    | 6                                 | 38,339,824                 | 42,286                 | 28,491                   | 4.361                    | 9                                 | 34,556,322                 |
| Zone 1            | 40,233               | 37,680                 | 2.486                    | 6                                 | 22,677,467                 | *                      | *                        | *                        | *                                 | *                          |
| Zone 3            | 56,773               | 40,235                 | 1.73                     | 6                                 | 15,662,357                 | 38,781                 | 25,125                   | 4.49                     | 9                                 | 29,454,856                 |
| <b>Amhara</b>     | 447,852              | 1,656,969              | 1.188                    | 6                                 | 377,663,102                | -                      | -                        | *                        | *                                 | -                          |
| North Gonder      | 70,712               | 342,853                | 1.315                    | 6                                 | 82,704,144                 | -                      | -                        | *                        | -                                 | -                          |
| South Gonder      | 53,378               | 207,655                | 1.184                    | 6                                 | 48,259,706                 | -                      | -                        | -                        | -                                 | -                          |
| North Wolo        | 29,019               | 139,732                | 1.231                    | 6                                 | 33,048,577                 | -                      | -                        | -                        | -                                 | -                          |
| South Wolo        | 101,830              | 224,468                | 1.436                    | 6                                 | 58,856,663                 | -                      | -                        | -                        | -                                 | -                          |
| North Shewa       | 44,923               | 150,455                | 1.128                    | 6                                 | 33,220,454                 | -                      | -                        | -                        | -                                 | -                          |
| East Gojam        | 33,012               | 165,812                | 0.845                    | 6                                 | 28,153,107                 | -                      | -                        | -                        | -                                 | -                          |
| West Gojam        | 64,613               | 196,372                | 1.034                    | 6                                 | 42,975,712                 | -                      | -                        | -                        | -                                 | -                          |
| Waghamera         | *                    | 43,192                 | 1.073                    | 6                                 | 8,276,534                  | -                      | -                        | -                        | -                                 | -                          |
| Awi               | 20,363               | 126,101                | 1.06                     | 7                                 | 26,628,174                 | -                      | -                        | -                        | -                                 | -                          |
| Oromia            | 28,877               | 60,329                 | 1.259                    | 6                                 | 15,540,031                 | -                      | -                        | *                        | *                                 | -                          |
| <b>Oromia</b>     | 3,071,998            | 3,800,967              | 1.465                    | 7                                 | 1,182,305,557              | 45,178                 | 35,221                   | 3.501                    | 10                                | 29,643,418                 |
| West Wellega      | 200,228              | 222,206                | 1.291                    | 7                                 | 61,970,507                 | -                      | *                        | -                        | -                                 | -                          |
| East Wellega      | 189,000              | 258,064                | *                        | 7                                 | *                          | -                      | *                        | -                        | -                                 | -                          |
| Illubabor         | 82,894               | 152,556                | 1.039                    | 6                                 | 30,944,848                 | -                      | -                        | -                        | -                                 | -                          |
| Jimma             | 270,775              | 344,764                | 1.129                    | 6                                 | 76,758,476                 | -                      | *                        | -                        | -                                 | -                          |
| West Shewa        | 254,360              | 331,135                | 1.281                    | 7                                 | 93,978,012                 | -                      | -                        | -                        | -                                 | -                          |
| North Shewa       | 211,458              | 226,841                | 1.605                    | 7                                 | 87,324,114                 | -                      | *                        | -                        | -                                 | -                          |
| East Shewa        | 245,554              | 272,003                | 1.152                    | 7                                 | 66,236,183                 | *                      | *                        | 3.288                    | 10                                | 3,519,268                  |
| Arsi              | 390,443              | 524,365                | 1.516                    | 7                                 | 172,726,916                | *                      | *                        | *                        | *                                 | *                          |
| West Harerghe     | 70,471               | 190,912                | 1.626                    | 6                                 | 59,720,734                 | *                      | *                        | 4.177                    | 10                                | 5,562,802                  |
| East Harerghe     | 198,103              | 229,046                | 1.56                     | 6                                 | 67,087,754                 | -                      | -                        | -                        | *                                 | -                          |
| Bale              | 502,584              | 415,561                | 1.305                    | 7                                 | 116,545,881                | 8,673                  | 7,077                    | 2.634                    | 8                                 | 3,380,429                  |
| Borena            | 114,680              | 314,450                | 2.458                    | 7                                 | 119,304,962                | 18,843                 | 11,531                   | 3.419                    | 11                                | 12,328,815                 |
| South West Shewa  | 139,250              | 124,002                | 1.082                    | 7                                 | 28,599,167                 | -                      | -                        | -                        | -                                 | -                          |
| Guji              | 202,197              | 195,061                | 1.299                    | 7                                 | 63,943,456                 | *                      | *                        | *                        | 11                                | *                          |

TABLE 3-21 CONT'D

| Geographic Area         | Number Of Dairy Cows | Number Of Milking Cows | Average Daily Milk Prod. | Average Lactation Period (Months) | Total Milk Production (Lt) | Number Of Dairy Camels | Number Of Milking Camels | Average Daily Milk Prod. | Average Lactation Period (Months) | Total Milk Production (Lt) |
|-------------------------|----------------------|------------------------|--------------------------|-----------------------------------|----------------------------|------------------------|--------------------------|--------------------------|-----------------------------------|----------------------------|
| <b>Somale</b>           | 117,736              | 137,293                | 1.653                    | 6                                 | 44,478,797                 | 39,557                 | 23,759                   | 3.811                    | 12                                | 29,950,889                 |
| Shinele                 | 2,404                | 3,088                  | 1.425                    | 5                                 | 819,338                    | 1,153                  | 602                      | 2.901                    | *                                 | 962,945                    |
| Jijiga                  | 93,247               | 98,055                 | 1.617                    | 5                                 | 27,980,551                 | 16,685                 | 7,930                    | 3.391                    | 11                                | 8,031,441                  |
| Liben                   | 22,085               | 36,150                 | 1.813                    | 7                                 | 15,678,908                 | 21,719                 | 15,228                   | 4.239                    | 11                                | 20,956,503                 |
| <b>Benshangul-Gumuz</b> | 23,972               | 71,906                 | 2.197                    | 7                                 | 27,815,319                 | -                      | -                        | -                        | -                                 | -                          |
| Metekel                 | 6,663                | 52,135                 | *                        | 7                                 | 22,846,849                 | -                      | -                        | -                        | -                                 | -                          |
| Asosa                   | 13,098               | 10,544                 | 1.143                    | 6                                 | 2,299,717                  | -                      | -                        | -                        | -                                 | -                          |
| Kemeshi                 | 4,210                | 9,228                  | 1.408                    | 6                                 | 2,668,753                  | -                      | -                        | -                        | -                                 | -                          |
| <b>SNNP</b>             | 2,396,684            | 1,932,274              | 1.237                    | 7                                 | 495,930,360                | -                      | *                        | *                        | *                                 | -                          |
| Gurage                  | 272,740              | 204,925                | 1.097                    | 6                                 | 44,531,891                 | -                      | *                        | -                        | -                                 | -                          |
| Hadiya                  | 188,455              | 148,818                | 1.14                     | 6                                 | 34,027,615                 | -                      | -                        | -                        | -                                 | -                          |
| Kembata Tembaro         | 86,413               | 75,307                 | 1.262                    | 7                                 | 19,877,251                 | -                      | -                        | -                        | -                                 | -                          |
| Sidama                  | 572,295              | 441,828                | 1.119                    | 7                                 | 105,854,514                | -                      | *                        | -                        | *                                 | -                          |
| Gedio                   | 22,975               | 19,663                 | *                        | 5                                 | *                          | -                      | -                        | -                        | -                                 | -                          |
| Wolayita                | 255,694              | 198,813                | 1.379                    | 8                                 | 69,958,523                 | -                      | *                        | -                        | *                                 | -                          |
| South Omo               | 111,770              | 97,724                 | 1.356                    | 6                                 | 27,086,984                 | -                      | -                        | -                        | -                                 | -                          |
| Shaka                   | 25,017               | 24,372                 | 1.579                    | 6                                 | 7,957,073                  | -                      | -                        | -                        | -                                 | -                          |
| Kaffa                   | 148,209              | 150,723                | 1.513                    | 6                                 | 45,354,226                 | -                      | -                        | -                        | -                                 | -                          |
| Gamo Gofa               | 253,342              | 208,895                | 1.003                    | 6                                 | 43,361,025                 | -                      | -                        | *                        | -                                 | -                          |
| Bench Maji              | 121,944              | 97,303                 | 1.672                    | 6                                 | 33,514,350                 | -                      | -                        | -                        | -                                 | -                          |
| Yem Sp. Wereda          | 8,446                | 6,957                  | 0.924                    | 6                                 | 1,381,800                  | -                      | -                        | -                        | -                                 | -                          |
| Amaro Sp. Wereda        | 7,150                | 16,168                 | 1.025                    | 5                                 | 2,933,438                  | -                      | -                        | -                        | -                                 | -                          |
| Burji Sp. Wereda        | 3,606                | 4,618                  | 0.711                    | 5                                 | 700,685                    | -                      | -                        | -                        | -                                 | -                          |
| Konso Sp. Wereda        | 14,338               | 14,755                 | 1.12                     | 7                                 | 3,925,504                  | -                      | -                        | -                        | -                                 | -                          |
| Derashe Sp. Wereda      | 13,406               | 12,611                 | 1.048                    | 7                                 | 3,139,499                  | -                      | -                        | -                        | -                                 | -                          |
| Dawro                   | 96,962               | 62,343                 | 0.963                    | 6                                 | 12,225,608                 | -                      | -                        | -                        | -                                 | -                          |
| Basketo Sp. Wereda      | 7,368                | 5,285                  | 0.948                    | 6                                 | 995,340                    | -                      | -                        | -                        | -                                 | -                          |
| Konta Sp. Wereda        | 17,755               | 14,567                 | 1.009                    | 6                                 | 2,839,831                  | -                      | -                        | -                        | -                                 | -                          |
| Silte                   | 132,782              | 99,103                 | 0.978                    | 6                                 | 18,616,416                 | -                      | -                        | -                        | -                                 | -                          |
| Alaba Sp. Wereda        | 36,017               | 27,494                 | 1.108                    | 6                                 | 5,755,118                  | -                      | -                        | -                        | -                                 | -                          |
| <b>Harari</b>           | 8,352                | 9,678                  | 1.889                    | 6                                 | 3,214,823                  | *                      | *                        | *                        | *                                 | *                          |
| Hundene                 | 8,352                | 9,678                  | 1.889                    | 6                                 | 3,214,823                  | *                      | *                        | *                        | *                                 | *                          |
| <b>Addis Ababa</b>      | 3,647                | 4,422                  | 1.795                    | 6                                 | 2,051,277                  | -                      | -                        | -                        | -                                 | -                          |
| Zone 3                  | 2,387                | 3,068                  | 1.708                    | 6                                 | 1,355,760                  | -                      | -                        | -                        | -                                 | -                          |
| Zone 6                  | 1,260                | 1,354                  | 2.015                    | 6                                 | 695,516                    | -                      | -                        | -                        | -                                 | -                          |
| <b>Dire Dawa</b>        | 5,432                | 9,161                  | 1.61                     | 5                                 | 2,660,749                  | 1,604                  | 1,161                    | 2.462                    | 10                                | 843,349                    |

TABLE 3-22: TOTAL EGG PRODUCTION BY ZONE, AND REGION

## a. Indigenous Breeds

| Geographic Area   | Total Laying Hens | Average Number of Egg-laying period/Year | Average Length of a Period | Average Number of Eggs /Hen /Period | Total Egg Production (Number) |
|-------------------|-------------------|--|----------------------------|-------------------------------------|-------------------------------|
| <b>Ethiopia</b>   | 9,772,558         | 4  | 20                         | 12                                  | 57,238,991                    |
| <b>Tigray</b>     | 726,004           | 5  | 20                         | 13                                  | 5,676,169                     |
| North West Tigray | 162,719           | 3  | 18                         | 12                                  | 760,807                       |
| Central Tigray    | 220,493           | 5  | 20                         | 13                                  | 1,871,526                     |
| Eastern Tigray    | 140,461           | 6  | 22                         | 15                                  | 1,572,340                     |
| Southern Tigray   | 127,623           | 5  | 22                         | 13                                  | 1,169,585                     |
| Western Tigray    | 74,707            | 3  | 17                         | 11                                  | 301,912                       |
| <b>Afar</b>       | 14,483            | 4  | 16                         | 10                                  | 77,430                        |
| Zone 1            | *                 | *  | *                          | *                                   | *                             |
| Zone 3            | 14,308            | 4  | 16                         | 10                                  | 76,011                        |
| <b>Amhara</b>     | 2,894,146         | 4  | 21                         | 12                                  | 17,055,378                    |
| North Gonder      | 481,048           | 3  | 18                         | 11                                  | 1,891,069                     |
| South Gonder      | 323,611           | 3  | 20                         | 12                                  | 1,493,620                     |
| North Wolo        | 288,767           | 5  | 23                         | 11                                  | 1,829,165                     |
| South Wolo        | 515,790           | 5  | 23                         | 12                                  | 3,904,709                     |
| North Shewa       | 459,111           | 5  | 21                         | 11                                  | 2,885,762                     |
| East Gojam        | 267,405           | 5  | 22                         | 13                                  | 2,030,363                     |
| West Gojam        | 316,998           | 3  | 20                         | 13                                  | 1,573,452                     |
| Waghamera         | 63,377            | 5  | 21                         | 11                                  | 388,873                       |
| Awi               | 123,571           | 3  | 20                         | 13                                  | 702,797                       |
| Oromia            | 54,468            | 5  | 21                         | 12                                  | 355,569                       |
| <b>Oromia</b>     | 3,873,366         | 4  | 20                         | 12                                  | 23,473,061                    |
| West Wellega      | 373,282           | 3  | 19                         | 11                                  | 1,450,777                     |
| East Wellega      | 228,356           | 3  | 20                         | 11                                  | 863,156                       |
| Illubabor         | 232,147           | 3  | 18                         | 10                                  | 817,834                       |
| Jimma             | 464,039           | 3  | 19                         | 10                                  | 1,953,286                     |
| West Shewa        | 331,389           | 5  | 22                         | 12                                  | 2,597,862                     |
| North Shewa       | 203,952           | 5  | 23                         | 13                                  | 1,622,540                     |
| East Shewa        | 327,539           | 5  | 23                         | 13                                  | 2,612,566                     |
| Arsi              | 459,947           | 5  | 22                         | 13                                  | 3,648,316                     |
| West Harerghe     | 289,350           | 4  | 19                         | 11                                  | 1,620,198                     |
| East Harerghe     | 370,998           | 5  | 18                         | 10                                  | 2,176,860                     |
| Bale              | 171,349           | 5  | 22                         | 13                                  | 1,197,839                     |
| Borena            | 103,699           | 4  | 18                         | 12                                  | 565,704                       |
| South West Shewa  | 187,452           | 6  | 22                         | 13                                  | 1,590,757                     |
| Guji              | 129,867           | 4  | 18                         | 12                                  | 755,365                       |

TABLE 3-22 – a CONT'D

| Geographic Area         | Total Laying Hens | Average Number of Egg-laying period/Year | Average Length of a Period | Average Number of Eggs /Hen /Period | Total Egg Production (Number) |
|-------------------------|-------------------|--|----------------------------|-------------------------------------|-------------------------------|
| <b>Somale</b>           | 37,716            | 5  | 19                         | 12                                  | 257,784                       |
| Shinele                 | 1,560             | 5  | 20                         | 12                                  | 11,600                        |
| Jijiga                  | 24,849            | 6  | 20                         | 12                                  | 183,723                       |
| Liben                   | 11,307            | 4  | 16                         | 12                                  | 62,461                        |
| <b>Benshangul-Gumuz</b> | 148,109           | 3  | 18                         | 11                                  | 672,791                       |
| Metekel                 | 57,459            | 4  | 18                         | 11                                  | 262,013                       |
| Asosa                   | 69,637            | 3  | 17                         | 11                                  | 328,918                       |
| Kemeshi                 | 21,013            | 3  | 18                         | 10                                  | 81,860                        |
| <b>SNNP</b>             | 2,036,326         | 4  | 18                         | 11                                  | 9,742,279                     |
| Gurage                  | 211,919           | 4  | 20                         | 11                                  | 1,163,617                     |
| Hadiya                  | 185,460           | 3  | 18                         | 11                                  | 716,401                       |
| Kembata Tembaro         | 94,548            | 4  | 16                         | 11                                  | 441,423                       |
| Sidama                  | 304,113           | 4  | 18                         | 11                                  | 1,754,941                     |
| Gedio                   | 55,107            | 4  | 17                         | 11                                  | 310,556                       |
| Wolayita                | 194,602           | 4  | 17                         | 10                                  | 855,473                       |
| South Omo               | 99,422            | 4  | 21                         | 12                                  | 501,256                       |
| Shaka                   | 38,482            | 3  | 18                         | 11                                  | 145,490                       |
| Kaffa                   | 170,592           | 3  | 17                         | 10                                  | 632,252                       |
| Gamo Gofa               | 180,812           | 4  | 18                         | 10                                  | 773,330                       |
| Bench Maji              | 122,112           | 4  | 16                         | 11                                  | 690,053                       |
| Yem Sp. Wereda          | 13,785            | 4  | 20                         | 11                                  | 78,994                        |
| Amaro Sp. Wereda        | 17,384            | 4  | 19                         | 12                                  | 99,391                        |
| Burji Sp. Wereda        | 7,484             | 3  | 20                         | 11                                  | 33,994                        |
| Konso Sp. Wereda        | 33,207            | 4  | 20                         | 11                                  | 173,384                       |
| Derashe Sp. Wereda      | 25,680            | 4  | 20                         | 12                                  | 149,663                       |
| Dawro                   | 53,443            | 5  | 15                         | 9                                   | 238,375                       |
| Basketo Sp. Wereda      | 11,102            | 4  | 19                         | 11                                  | 49,806                        |
| Konta Sp. Wereda        | 16,267            | 3  | 17                         | 9                                   | 52,154                        |
| Silte                   | 172,854           | 4  | 19                         | 10                                  | 764,774                       |
| Alaba Sp. Wereda        | 27,950            | 3  | 19                         | 11                                  | 116,953                       |
| <b>Harari</b>           | 11,302            | 5  | 19                         | 11                                  | 67,903                        |
| Hundene                 | 11,302            | 5  | 19                         | 11                                  | 67,903                        |
| <b>Addis Ababa</b>      | 9,942             | 6  | 24                         | 14                                  | 95,354                        |
| Zone 3                  | 6,750             | 6  | 22                         | 13                                  | 60,580                        |
| Zone 6                  | 3,192             | 6  | 26                         | 16                                  | 34,774                        |
| <b>Dire Dawa</b>        | 21,165            | 5  | 19                         | 10                                  | 120,843                       |

b. Hybrid

| Geographic Area   | Total Laying Hens | Average Number of Egg-laying period/Year | Average Length of a Period | Average Number of Eggs /Hen /Period | Total Egg Production (Number) |
|-------------------|-------------------|--|----------------------------|-------------------------------------|-------------------------------|
| <b>Ethiopia</b>   | 562,465           | 5  | 38                         | 32                                  | 7,369,932                     |
| <b>Tigray</b>     | 109,605           | 6  | 26                         | 21                                  | 1,224,401                     |
| North West Tigray | 18,690            | 5  | 20                         | 17                                  | 195,194                       |
| Central Tigray    | 34,003            | 6  | 25                         | 20                                  | 413,191                       |
| Eastern Tigray    | 24,305            | 6  | 30                         | 25                                  | 256,583                       |
| Southern Tigray   | 27,823            | 6  | 27                         | 22                                  | 344,623                       |
| Western Tigray    | 4,784             | 3  | 18                         | 14                                  | 14,809                        |
| <b>Afar</b>       | *                 | *  | *                          | *                                   | *                             |
| Zone 1            | *                 | *  | *                          | *                                   | *                             |
| Zone 3            | *                 | *  | *                          | *                                   | *                             |
| <b>Amhara</b>     | 153,217           | 4  | 33                         | 27                                  | 1,733,165                     |
| North Gonder      | 23,471            | 4  | 21                         | 17                                  | 201,057                       |
| South Gonder      | 17,080            | 5  | 23                         | 19                                  | 154,979                       |
| North Wolo        | 6,512             | 4  | *                          | 16                                  | *                             |
| South Wolo        | 14,223            | 6  | 28                         | 23                                  | 201,661                       |
| North Shewa       | 29,516            | 4  | 31                         | 25                                  | 311,619                       |
| East Gojam        | 25,838            | 5  | 49                         | 41                                  | 385,169                       |
| West Gojam        | 23,614            | 4  | 48                         | 35                                  | 290,406                       |
| Waghamera         | 2,729             | 5  | 18                         | 16                                  | *                             |
| Awi               | 8,554             | 4  | 26                         | 29                                  | 115,837                       |
| Oromia            | 1,679             | 4  | 29                         | 24                                  | 21,123                        |
| <b>Oromia</b>     | 255,191           | 5  | 44                         | 39                                  | 3,774,872                     |
| West Wellega      | 5,487             | 4  | *                          | *                                   | *                             |
| East Wellega      | 6,249             | *  | 25                         | 22                                  | 58,392                        |
| Illubabor         | 7,470             | 4  | *                          | *                                   | 81,506                        |
| Jimma             | 19,183            | 4  | 32                         | 27                                  | 127,070                       |
| West Shewa        | 33,812            | 5  | 60                         | 55                                  | 718,269                       |
| North Shewa       | 27,389            | 5  | 45                         | 36                                  | 337,530                       |
| East Shewa        | 43,330            | 9  | 37                         | 30                                  | 680,044                       |
| Arsi              | 52,021            | 5  | 31                         | 28                                  | 628,655                       |
| West Harerghe     | 7,211             | 4  | 20                         | 15                                  | *                             |
| East Harerghe     | 10,575            | 5  | 23                         | 19                                  | 107,267                       |
| Bale              | 15,241            | 3  | 96                         | 88                                  | 459,434                       |
| Borena            | 2,785             | 4  | 29                         | 25                                  | 26,000                        |
| South West Shewa  | 22,021            | 5  | 49                         | 39                                  | 376,809                       |
| Guji              | 2,416             | 5  | 44                         | 43                                  | *                             |

TABLE 3-22 - b CONT'D

| Geographic Area         | Total Laying Hens | Average Number of Egg-laying period/Year | Average Length of a Period | Average Number of Eggs /Hen /Period | Total Egg Production (Number) |
|-------------------------|-------------------|--|----------------------------|-------------------------------------|-------------------------------|
| <b>Somale</b>           | *                 | *  | *                          | *                                   | *                             |
| Shinele                 | -                 | -  | -                          | -                                   | -                             |
| Jijiga                  | -                 | -  | -                          | -                                   | -                             |
| Liben                   | *                 | *  | *                          | *                                   | *                             |
| <b>Benshangul-Gumuz</b> | 2,851             | 4  | 26                         | 20                                  | 14,530                        |
| Metekel                 | 1,439             | *  | 24                         | 19                                  | 6,906                         |
| Asosa                   | *                 | *  | *                          | *                                   | *                             |
| Kemeshi                 | *                 | *  | *                          | *                                   | *                             |
| <b>SNNP</b>             | 38,453            | 4  | 48                         | 44                                  | 580,670                       |
| Gurage                  | 5,287             | 2  | *                          | *                                   | *                             |
| Hadiya                  | 1,055             | *  | *                          | *                                   | *                             |
| Kembata Tembaro         | 3,431             | 4  | *                          | *                                   | 39,526                        |
| Sidama                  | *                 | 3  | *                          | *                                   | 93,776                        |
| Gedio                   | *                 | *  | *                          | *                                   | *                             |
| Wolayita                | *                 | 6  | 22                         | 20                                  | *                             |
| South Omo               | *                 | *  | 33                         | 20                                  | *                             |
| Shaka                   | 785               | 3  | 22                         | 20                                  | 6,146                         |
| Kaffa                   | 4,327             | 5  | 25                         | 19                                  | 42,507                        |
| Gamo Gofa               | 3,368             | 4  | *                          | *                                   | *                             |
| Bench Maji              | 2,305             | *  | *                          | *                                   | 10,839                        |
| Yem Sp. Wereda          | 136               | *  | *                          | *                                   | *                             |
| Amaro Sp. Wereda        | 358               | 3  | *                          | *                                   | *                             |
| Burji Sp. Wereda        | *                 | -  | -                          | -                                   | -                             |
| Konso Sp. Wereda        | *                 | *  | *                          | *                                   | *                             |
| Derashe Sp. Wereda      | *                 | 5  | *                          | *                                   | 7,158                         |
| Dawro                   | *                 | *  | *                          | *                                   | *                             |
| Basketo Sp. Wereda      | 228               | 4  | *                          | *                                   | *                             |
| Konta Sp. Wereda        | *                 | *  | *                          | *                                   | *                             |
| Silte                   | 2,378             | 5  | 27                         | 23                                  | 12,607                        |
| Alaba Sp. Wereda        | 363               | *  | *                          | *                                   | *                             |
| <b>Harari</b>           | *                 | *  | *                          | *                                   | *                             |
| Hundene                 | *                 | *  | *                          | *                                   | *                             |
| <b>Addis Ababa</b>      | 623               | 8  | 29                         | 26                                  | 11,161                        |
| Zone 3                  | 470               | 7  | 20                         | 19                                  | 5,356                         |
| Zone 6                  | 154               | 9  | 51                         | *                                   | *                             |
| <b>Dire Dawa</b>        | 1,915             | 6  | 24                         | 19                                  | 23,629                        |

c. Exotic Breeds

| Geographic Area   | Total Laying Hens | Average Number of Egg-laying period/Year | Average Length of a Period | Average Number of Eggs /Hen /Period | Total Egg Production (Number) |
|-------------------|-------------------|--|----------------------------|-------------------------------------|-------------------------------|
| <b>Ethiopia</b>   | 266,267           | 1  | 103                        | 99                                  | 2,538,512                     |
| <b>Tigray</b>     | 20,846            | 1  | 172                        | 167                                 | 366,193                       |
| North West Tigray | *                 | *  | *                          | *                                   | *                             |
| Central Tigray    | 10,285            | 1  | 203                        | 193                                 | 202,988                       |
| Eastern Tigray    | 4,347             | 1  | 230                        | 224                                 | 121,464                       |
| Southern Tigray   | 4,944             | 1  | *                          | *                                   | *                             |
| Western Tigray    | *                 | *  | *                          | *                                   | *                             |
| <b>Afar</b>       | *                 | *  | *                          | *                                   | *                             |
| Zone 1            | *                 | *  | *                          | *                                   | *                             |
| Zone 3            | -                 | -  | -                          | -                                   | -                             |
| <b>Amhara</b>     | 39,821            | 1  | 97                         | 93                                  | 343,315                       |
| North Gonder      | 7,876             | 1  | *                          | *                                   | *                             |
| South Gonder      | 5,535             | 1  | 28                         | 27                                  | 16,614                        |
| North Wolo        | *                 | *  | *                          | *                                   | *                             |
| South Wolo        | 6,062             | 1  | 43                         | 42                                  | 22,908                        |
| North Shewa       | *                 | *  | *                          | *                                   | *                             |
| East Gojam        | 6,015             | 1  | 219                        | 213                                 | *                             |
| West Gojam        | 4,714             | 1  | 177                        | 162                                 | 74,913                        |
| Waghamera         | *                 | *  | *                          | *                                   | *                             |
| Awi               | *                 | *  | 43                         | 42                                  | *                             |
| Oromia            | -                 | -  | -                          | -                                   | -                             |
| <b>Oromia</b>     | 194,442           | 1  | 97                         | 94                                  | 1,754,594                     |
| West Wellega      | 7,778             | 1  | 27                         | 23                                  | 21,204                        |
| East Wellega      | 12,751            | 1  | 62                         | 69                                  | 42,055                        |
| Illubabor         | 5,520             | 1  | 50                         | 46                                  | 32,366                        |
| Jimma             | 15,448            | 1  | 48                         | 48                                  | 65,961                        |
| West Shewa        | 8,764             | *  | *                          | *                                   | 96,114                        |
| North Shewa       | 39,704            | 1  | 86                         | 81                                  | 209,449                       |
| East Shewa        | 16,256            | 1  | 77                         | 85                                  | 129,031                       |
| Arsi              | 29,497            | 1  | 115                        | 108                                 | *                             |
| West Harerghe     | 18,650            | 1  | *                          | *                                   | *                             |
| East Harerghe     | 13,658            | 1  | 123                        | 111                                 | *                             |
| Bale              | 9,634             | 1  | 146                        | 147                                 | 187,878                       |
| Borena            | 1,067             | *  | *                          | *                                   | *                             |
| South West Shewa  | 14,861            | 1  | 147                        | 107                                 | 216,670                       |
| Guji              | *                 | *  | *                          | *                                   | *                             |

TABLE 3-22 - c CONT'D

| Geographic Area         | Total Laying Hens | Average Number of Egg-laying period/Year | Average Length of a Period | Average Number of Eggs /Hen /Period | Total Egg Production (Number) |
|-------------------------|-------------------|--|----------------------------|-------------------------------------|-------------------------------|
| <b>Somale</b>           | *                 | *  | *                          | *                                   | *                             |
| Shinele                 | -                 | -  | -                          | -                                   | -                             |
| Jijiga                  | -                 | -  | -                          | -                                   | -                             |
| Liben                   | *                 | *  | *                          | *                                   | *                             |
| <b>Benshangul-Gumuz</b> | *                 | *  | *                          | *                                   | *                             |
| Metekel                 | *                 | *  | *                          | *                                   | *                             |
| Asosa                   | *                 | *  | *                          | *                                   | *                             |
| Kemeshi                 | *                 | *  | *                          | *                                   | *                             |
| <b>SNNP</b>             | 8,326             | 1  | 85                         | 76                                  | 53,245                        |
| Gurage                  | *                 | *  | *                          | *                                   | *                             |
| Hadiya                  | *                 | *  | *                          | *                                   | *                             |
| Kembata Tembaro         | 1,185             | 1  | *                          | *                                   | *                             |
| Sidama                  | *                 | *  | *                          | *                                   | *                             |
| Gedio                   | *                 | *  | *                          | *                                   | *                             |
| Wolayita                | *                 | -  | -                          | -                                   | -                             |
| South Omo               | -                 | -  | -                          | -                                   | -                             |
| Shaka                   | *                 | 1  | *                          | *                                   | *                             |
| Kaffa                   | *                 | *  | *                          | *                                   | *                             |
| Gamo Gofa               | -                 | *  | *                          | *                                   | *                             |
| Bench Maji              | *                 | *  | *                          | *                                   | *                             |
| Yem Sp. Wereda          | *                 | *  | *                          | *                                   | *                             |
| Amaro Sp. Wereda        | *                 | *  | *                          | *                                   | *                             |
| Burji Sp. Wereda        | *                 | *  | *                          | *                                   | *                             |
| Konso Sp. Wereda        | -                 | *  | *                          | *                                   | *                             |
| Derashe Sp. Wereda      | 291               | *  | *                          | *                                   | *                             |
| Dawro                   | *                 | -  | -                          | -                                   | -                             |
| Basketo Sp. Wereda      | *                 | -  | -                          | -                                   | -                             |
| Konta Sp. Wereda        | -                 | -  | -                          | -                                   | -                             |
| Silte                   | *                 | *  | *                          | *                                   | *                             |
| Alaba Sp. Wereda        | *                 | *  | *                          | *                                   | *                             |
| <b>Harari</b>           | 280               | 1  | 63                         | 52                                  | *                             |
| Hundene                 | 280               | 1  | 63                         | 52                                  | *                             |
| <b>Addis Ababa</b>      | 133               | 1  | 155                        | *                                   | *                             |
| Zone 3                  | 89                | 1  | 100                        | 89                                  | *                             |
| Zone 6                  | 44                | -  | *                          | *                                   | -                             |
| <b>Dire Dawa</b>        | 652               | *  | *                          | *                                   | *                             |



TABLE 3-23: ESTIMATED NUMBER OF VACCINATED LIVESTOCK BY ZONE AND REGION

## a. Cattle

| Geographic Area   | Total Vaccinated | Vaccinated against: |           |                  |                        |           |
|-------------------|------------------|---------------------|-----------|------------------|------------------------|-----------|
|                   |                  | Anthrax             | Blackleg  | Pleuro-Pneumonia | Hemorrhagic Septicemia | Others    |
| <b>Ethiopia</b>   | 8,525,708        | 3,388,248           | 2,709,277 | 895,865          | 1,228,198              | 1,400,666 |
| <b>Tigray</b>     | 1,036,284        | 391,099             | 234,499   | 231,033          | 179,279                | 132,791   |
| North West Tigray | 155,077          | *                   | 39,378    | 22,258           | *                      | 61,653    |
| Central Tigray    | 303,962          | 144,502             | 58,912    | 38,094           | 79,031                 | *         |
| Eastern Tigray    | 187,538          | 118,885             | 80,133    | *                | 82,575                 | 46,975    |
| Southern Tigray   | 323,591          | 87,897              | 49,231    | 126,114          | *                      | 11,531    |
| Western Tigray    | 66,116           | *                   | *         | *                | *                      | *         |
| <b>Afar</b>       | 22,347           | 5,005               | *         | 10,002           | *                      | 3,951     |
| Zone 1            | 10,255           | 1,055               | *         | 5,342            | *                      | 3,926     |
| Zone 3            | 12,092           | 3,950               | *         | 4,659            | *                      | *         |
| <b>Amhara</b>     | 1,281,436        | 641,906             | 343,190   | 130,764          | 57,196                 | 224,099   |
| North Gonder      | 224,929          | 156,933             | *         | *                | *                      | *         |
| South Gonder      | 63,987           | *                   | *         | -                |                        | 24,418    |
| North Wolo        | 52,473           | *                   | *         | *                | 17,910                 | *         |
| South Wolo        | 307,174          | 97,050              | 132,389   | *                | *                      | *         |
| North Shewa       | 84,852           | 46,752              | *         | 9,136            | *                      | *         |
| East Gojam        | 181,440          | 151,381             | *         | *                | *                      | *         |
| West Gojam        | 182,820          | 93,946              | *         | *                | -                      | 77,570    |
| Waghamera         | 10,156           | *                   | *         | *                | *                      | 1,342     |
| Awi               | 119,009          | *                   | *         | 55,186           | *                      | 45,340    |
| Oromia            | 54,598           | 30,650              | 17,605    | 7,184            | *                      | *         |
| <b>Oromia</b>     | 4,270,430        | 1,678,649           | 1,254,749 | 327,287          | 714,760                | 846,367   |
| West Wellega      | 301,720          | 84,594              | *         | 57,003           | 88,704                 | 71,544    |
| East Wellega      | 293,356          | 129,826             | 32,511    | 3,351            | 94,469                 | *         |
| Illubabor         | 163,979          | 65,455              | *         | -                | *                      | *         |
| Jimma             | 244,413          | 91,212              | *         | *                | 88,735                 | *         |
| West Shewa        | 232,557          | *                   | *         | *                | 121,694                | *         |
| North Shewa       | 192,526          | 116,700             | 78,339    | *                | *                      | *         |
| East Shewa        | 370,320          | 244,422             | 191,384   | 40,641           | 81,465                 | *         |
| Arsi              | 661,968          | 366,724             | 130,872   | -                | 14,815                 | 171,870   |
| West Harerghe     | 269,268          | 132,099             | 38,038    | 5,401            | *                      | 66,890    |
| East Harerghe     | 221,037          | 46,733              | 78,672    | *                | *                      | 54,782    |
| Bale              | 426,155          | 106,858             | 124,285   | *                | *                      | 193,042   |
| Borena            | 385,559          | *                   | *         | 179,271          | *                      | 110,240   |
| South West Shewa  | 277,666          | 76,116              | 106,141   | *                | 81,522                 | 25,871    |
| Guji              | 229,906          | *                   | 173,638   | *                | *                      | *         |

TABLE 3-23 – a CONT'D

| Geographic Area         | Total Vaccinated | Vaccinated against: |          |                  |                        |         |
|-------------------------|------------------|---------------------|----------|------------------|------------------------|---------|
|                         |                  | Anthrax             | Blackleg | Pleuro-Pneumonia | Hemorrhagic Septicemia | Others  |
| <b>Somale</b>           | 18,132           | 871                 | 422      | 15,093           | *                      | *       |
| Shinele                 | 4,357            | 871                 | 365      | 3,112            | -                      | *       |
| Jijiga                  | 9,663            | -                   | -        | *                | *                      | *       |
| Liben                   | *                | -                   | *        | *                | *                      | -       |
| <b>Benshangul-Gumuz</b> | 70,544           | 21,644              | 19,241   | 6,908            | *                      | *       |
| Metekel                 | 47,399           | 16,240              | 16,895   | *                | *                      | *       |
| Asosa                   | 17,148           | *                   | *        | 2,237            | *                      | *       |
| Kemeshi                 | 5,997            | *                   | *        | *                | *                      | *       |
| <b>SNNP</b>             | 1,801,617        | 642,578             | 846,499  | 172,198          | 248,999                | 174,834 |
| Gurage                  | 237,691          | 107,560             | 97,581   | *                | 29,338                 | *       |
| Hadiya                  | 57,786           | 48,086              | *        | *                | -                      | *       |
| Kembata Tembaro         | 78,752           | 48,224              | *        | -                | *                      | 7,429   |
| Sidama                  | 367,704          | *                   | 246,045  | 56,067           | 73,193                 | *       |
| Gedio                   | *                | 7,870               | *        | -                | -                      | *       |
| Wolayita                | 144,478          | 101,376             | *        | 21,818           | *                      | *       |
| South Omo               | 67,581           | *                   | *        | *                | *                      | *       |
| Shaka                   | 47,313           | 16,164              | 30,641   | -                | 13,361                 | *       |
| Kaffa                   | 130,823          | 15,923              | 46,539   | *                | 47,385                 | *       |
| Gamo Gofa               | 195,536          | 62,088              | 125,771  | *                | -                      | *       |
| Bench Maji              | 162,064          | *                   | 113,466  | -                | 50,537                 | *       |
| Yem Sp. Wereda          | 17,692           | *                   | *        | *                | 3,522                  | 5,265   |
| Amaro Sp. Wereda        | 8,718            | 1,042               | *        | *                | *                      | *       |
| Burji Sp. Wereda        | 21,458           | 3,895               | 5,382    | 5,207            | 4,565                  | 6,933   |
| Konso Sp. Wereda        | 17,493           | *                   | *        | 9,502            | *                      | *       |
| Derashe Sp. Wereda      | 23,872           | *                   | 22,834   | *                |                        | *       |
| Dawro                   | 40,544           | 10,290              | 15,240   | *                | *                      | *       |
| Basketo Sp. Wereda      | 12,697           | 10,076              | 10,796   | -                | -                      |         |
| Konta Sp. Wereda        | 20,084           | 4,982               | 7,776    | 2,874            | 4,929                  | *       |
| Silte                   | 99,152           | 66,644              | 30,287   | *                | *                      | *       |
| Alaba Sp. Wereda        | 24,076           | 19,630              | *        | *                | -                      | *       |
| <b>Harari</b>           | 9,166            | *                   | 5,367    | *                | *                      | *       |
| Hundene                 | 9,166            | *                   | 5,367    | *                | *                      | *       |
| <b>Addis Ababa</b>      | 5,143            | 2,696               | 2,291    | 142              | 1,215                  | 265     |
| Zone 3                  | 4,191            | 2,163               | 1,837    | 142              | 1,160                  | *       |
| Zone 6                  | 953              | *                   | 454      | -                | *                      | *       |
| <b>Dire Dawa</b>        | 10,608           | *                   | *        | *                | *                      | *       |

b. Sheep

| Geographic Area   | Total Vaccinated | Vaccinated against: |          |                  |                        |         |
|-------------------|------------------|---------------------|----------|------------------|------------------------|---------|
|                   |                  | Anthrax             | Blackleg | Pleuro-Pneumonia | Hemorrhagic Septicemia | Others  |
| <b>Ethiopia</b>   | 1,488,706        | 246,279             | 162,964  | 443,811          | 224,730                | 506,343 |
| <b>Tigray</b>     | 283,299          | 73,458              | 70,064   | 47,552           | 135,070                | 52,610  |
| North West Tigray | 22,458           | *                   | *        | *                | *                      | 8,216   |
| Central Tigray    | 91,163           | 16,065              | 9,658    | *                | 59,160                 | *       |
| Eastern Tigray    | 105,239          | 38,176              | 53,703   | *                | 61,680                 | 27,236  |
| Southern Tigray   | 59,974           | *                   | *        | 14,889           | *                      | *       |
| Western Tigray    | *                | *                   | -        | -                | *                      | -       |
| <b>Afar</b>       | 5,602            | *                   | -        | 4,459            | -                      | *       |
| Zone 1            | 2,475            | -                   | -        | *                | -                      | *       |
| Zone 3            | *                | *                   | -        | *                | -                      | -       |
| <b>Amhara</b>     | 684,499          | 111,662             | 44,454   | 177,450          | 25,159                 | 338,935 |
| North Gonder      | 41,036           | *                   | *        | 18,132           | -                      | *       |
| South Gonder      | 50,877           | *                   | *        | *                |                        | 21,497  |
| North Wolo        | 32,426           | *                   | *        | *                | *                      | *       |
| South Wolo        | 189,478          | *                   | *        | 61,918           | *                      | 83,246  |
| North Shewa       | 131,823          | *                   | *        | 34,157           | *                      | *       |
| East Gojam        | 175,898          | 29,892              | *        | *                | -                      | 131,178 |
| West Gojam        | 43,607           | *                   | *        | *                | *                      | 17,788  |
| Waghamera         | *                | -                   | -        | *                | -                      | *       |
| Awi               | 14,031           | *                   | -        | *                | -                      | *       |
| Oromia            | 2,833            | *                   | *        | *                | -                      | *       |
| <b>Oromia</b>     | 397,775          | 53,692              | *        | 168,491          | 46,224                 | 81,968  |
| West Wellega      | *                | *                   | -        | *                | *                      | *       |
| East Wellega      | *                | -                   | -        | *                | *                      | *       |
| Illubabor         | *                | -                   | -        | -                | *                      | *       |
| Jimma             | *                | -                   | -        | -                | *                      | *       |
| West Shewa        | *                | -                   | -        | -                | *                      | -       |
| North Shewa       | 87,721           | *                   | *        | *                | *                      | 32,899  |
| East Shewa        | *                | *                   | *        | *                | *                      | *       |
| Arsi              | 138,160          | 18,035              | *        | *                | *                      | *       |
| West Harerghe     | 25,484           | 5,342               | *        | -                | *                      | *       |
| East Harerghe     | *                | -                   | *        | *                | *                      | *       |
| Bale              | *                | *                   | *        | -                | -                      | *       |
| Borena            | 19,483           | *                   | -        | 12,942           | -                      | *       |
| South West Shewa  | 1,417            | -                   | -        | *                | *                      | *       |
| Guji              | *                | -                   | -        | *                | -                      | -       |

TABLE 3-23 – b CONT'D

| Geographic Area         | Total Vaccinated | Vaccinated against: |          |                  |                        |        |
|-------------------------|------------------|---------------------|----------|------------------|------------------------|--------|
|                         |                  | Anthrax             | Blackleg | Pleuro-Pneumonia | Hemorrhagic Septicemia | Others |
| <b>Somale</b>           | *                | -                   | *        | *                | 520                    | *      |
| Shinele                 | 804              | -                   | 16       | 276              | 520                    | -      |
| Jijiga                  | -                | -                   | -        | -                | -                      | -      |
| Liben                   | *                | -                   | *        | *                | -                      | *      |
| <b>Benshangul-Gumuz</b> | *                | -                   | -        | *                | *                      | -      |
| Metekel                 | *                | -                   | -        | -                | *                      | -      |
| Asosa                   | *                | -                   | -        | *                | -                      | -      |
| Kemeshi                 | -                | -                   | -        | -                | -                      | -      |
| <b>SNNP</b>             | 93,417           | 6,373               | *        | 34,999           | *                      | *      |
| Gurage                  | 6,176            | *                   | -        | *                | -                      | -      |
| Hadiya                  | 5,686            | *                   | -        | *                | *                      | *      |
| Kembata Tembaro         | 2,649            | 974                 | -        | *                | -                      | -      |
| Sidama                  | *                | -                   | *        | *                | *                      | *      |
| Gedio                   | *                | -                   | *        | *                | -                      | *      |
| Wolayita                | 1,524            | *                   | -        | *                | -                      | -      |
| South Omo               | *                | -                   | -        | *                | -                      | -      |
| Shaka                   | *                | *                   | -        | *                | *                      | *      |
| Kaffa                   | 3,395            | -                   | *        | -                | *                      | *      |
| Gamo Gofa               | *                | -                   | -        | -                | *                      | *      |
| Bench Maji              | *                | -                   | *        | *                | *                      | -      |
| Yem Sp. Wereda          | *                | -                   | -        | -                | -                      | *      |
| Amaro Sp. Wereda        | -                | -                   | -        | -                | -                      | -      |
| Burji Sp. Wereda        | -                | -                   | -        | -                | -                      | -      |
| Konso Sp. Wereda        | 6,724            | -                   | -        | 6,902            | *                      | *      |
| Derashe Sp. Wereda      | *                | -                   | -        | *                | -                      | *      |
| Dawro                   | *                | -                   | -        | *                | -                      | -      |
| Basketo Sp. Wereda      | *                | -                   | -        | *                | -                      | -      |
| Konta Sp. Wereda        | *                | *                   | *        | *                | -                      | -      |
| Silte                   | *                | -                   | *        | *                | *                      | -      |
| Alaba Sp. Wereda        | 1,466            | *                   | *        | *                | -                      | -      |
| <b>Harari</b>           | *                | *                   | -        | -                | -                      | *      |
| Hundene                 | *                | *                   | -        | -                | -                      | *      |
| <b>Addis Ababa</b>      | *                | -                   | -        | *                | -                      | *      |
| Zone 3                  | *                | -                   | -        | *                | -                      | -      |
| Zone 6                  | -                | -                   | -        | -                | -                      | *      |
| <b>Dire Dawa</b>        | 14,757           | *                   | *        | *                | *                      | *      |

c. Goats

| Geographic Area   | Total Vaccinated | Vaccinated against: |          |                  |                        |         |
|-------------------|------------------|---------------------|----------|------------------|------------------------|---------|
|                   |                  | Anthrax             | Blackleg | Pleuro-Pneumonia | Hemorrhagic Septicemia | Others  |
| <b>Ethiopia</b>   | 1,505,550        | 222,808             | 139,038  | 318,539          | 481,319                | 369,658 |
| <b>Tigray</b>     | 795,288          | 116,958             | 98,424   | 71,898           | 403,655                | 182,140 |
| North West Tigray | 195,963          | 9,256               | 26,414   | 14,773           | *                      | 124,016 |
| Central Tigray    | 410,322          | 59,701              | 27,941   | 20,936           | 326,173                | *       |
| Eastern Tigray    | 65,740           | *                   | 37,310   | *                | 43,108                 | *       |
| Southern Tigray   | 108,450          | 15,108              | *        | 31,654           | 23,114                 | 29,693  |
| Western Tigray    | 14,813           | *                   | *        | -                | *                      | *       |
| <b>Afar</b>       | 24,041           | *                   | *        | 18,908           | *                      | 1,083   |
| Zone 1            | 6,498            | -                   | -        | *                | -                      | 1,078   |
| Zone 3            | 17,544           | *                   | *        | 13,543           | *                      | *       |
| <b>Amhara</b>     | 233,560          | 33,801              | 14,629   | 74,623           | *                      | 110,992 |
| North Gonder      | 29,347           | 5,152               | *        | *                | -                      | -       |
| South Gonder      | 19,442           | *                   | *        | *                | -                      | *       |
| North Wolo        | 11,893           | *                   | *        | *                | *                      | *       |
| South Wolo        | 51,877           | *                   | *        | *                | -                      | *       |
| North Shewa       | *                | *                   | *        | *                | *                      | *       |
| East Gojam        | *                | *                   | *        | -                | -                      | *       |
| West Gojam        | *                | *                   | -        | -                | -                      | *       |
| Waghamera         | *                | -                   | *        | *                | *                      | *       |
| Awi               | *                | -                   | -        | *                | -                      | *       |
| Oromia            | 6,817            | *                   | *        | *                | *                      | *       |
| <b>Oromia</b>     | 307,270          | 59,373              | 22,544   | 57,345           | 38,852                 | 60,106  |
| West Wellega      | *                | *                   | -        | *                | -                      | -       |
| East Wellega      | -                | -                   | -        | -                | -                      | -       |
| Illubabor         | *                | -                   | *        | -                | *                      | *       |
| Jimma             | *                | -                   | -        | -                | -                      | *       |
| West Shewa        | 2,554            | -                   | -        | -                | *                      | *       |
| North Shewa       | *                | *                   | *        | *                | *                      | -       |
| East Shewa        | 42,347           | *                   | *        | *                | *                      | *       |
| Arsi              | 22,633           | 10,630              | *        | *                | *                      | *       |
| West Harerghe     | 127,572          | 27,529              | *        | *                | *                      | *       |
| East Harerghe     | 50,629           | *                   | *        | *                | *                      | 14,226  |
| Bale              | *                | -                   | *        | *                | *                      | -       |
| Borena            | 43,187           | *                   | -        | 33,041           | *                      | *       |
| South West Shewa  | *                | *                   | *        | -                | -                      | *       |
| Guji              | *                | *                   | *        | *                | -                      | -       |

TABLE 3-23 – c CONT'D

| Geographic Area         | Total Vaccinated | Vaccinated against: |          |                  |                        |        |
|-------------------------|------------------|---------------------|----------|------------------|------------------------|--------|
|                         |                  | Anthrax             | Blackleg | Pleuro-Pneumonia | Hemorrhagic Septicemia | Others |
| <b>Somale</b>           | *                | -                   | *        | *                | 1,558                  | *      |
| Shinele                 | 2,112            | -                   | 119      | 782              | 1,558                  | -      |
| Jijiga                  | *                | -                   | -        | -                | -                      | *      |
| Liben                   | *                | -                   | *        | *                | -                      | *      |
| <b>Benshangul-Gumuz</b> | *                | *                   | *        | *                | *                      | *      |
| Metekel                 | *                | -                   | *        | *                | *                      | -      |
| Asosa                   | *                | *                   | -        | *                | *                      | *      |
| Kemeshi                 | *                | -                   | -        | *                | -                      | *      |
| <b>SNNP</b>             | 84,895           | 6,974               | *        | 68,527           | *                      | 7,557  |
| Gurage                  | *                | *                   | *        | *                | *                      | *      |
| Hadiya                  | *                | *                   | -        | -                | -                      | *      |
| Kembata Tembaro         | *                | *                   | -        | -                | -                      | -      |
| Sidama                  | -                | -                   | -        | -                | -                      | -      |
| Gedio                   | -                | -                   | -        | -                | -                      | -      |
| Wolayita                | *                | *                   | -        | *                | -                      | -      |
| South Omo               | *                | -                   | -        | *                | -                      | -      |
| Shaka                   | *                | -                   | -        | -                | *                      | -      |
| Kaffa                   | *                | -                   | *        | *                | *                      | *      |
| Gamo Gofa               | *                | -                   | -        | *                | -                      | -      |
| Bench Maji              | *                | -                   | -        | -                | -                      | *      |
| Yem Sp. Wereda          | -                | -                   | -        | -                | -                      | -      |
| Amaro Sp. Wereda        | *                | -                   | *        | *                | -                      | -      |
| Burji Sp. Wereda        | 1,244            | -                   | -        | 1,209            | -                      | -      |
| Konso Sp. Wereda        | 16,382           | -                   | -        | 15,669           | *                      | *      |
| Derashe Sp. Wereda      | 6,596            | *                   | *        | 4,794            | -                      | *      |
| Dawro                   | -                | -                   | -        | -                | -                      | -      |
| Basketo Sp. Wereda      | *                | *                   | -        | *                | -                      | -      |
| Konta Sp. Wereda        | *                | *                   | -        | *                | -                      | -      |
| Silte                   | *                | -                   | -        | *                | -                      | -      |
| Alaba Sp. Wereda        | 1,537            | *                   | *        | *                | -                      | -      |
| <b>Harari</b>           | *                | *                   | *        | -                | -                      | *      |
| Hundene                 | *                | *                   | *        | -                | -                      | *      |
| <b>Addis Ababa</b>      | -                | -                   | -        | -                | -                      | -      |
| Zone 3                  | -                | -                   | -        | -                | -                      | -      |
| Zone 6                  | -                | -                   | -        | -                | -                      | -      |
| <b>Dire Dawa</b>        | 25,514           | *                   | *        | *                | *                      | *      |

d. Horses, Donkeys and Mules

| Geographic Area   | Total Vaccinated | Vaccinated against: |          |                  |                        |         |
|-------------------|------------------|---------------------|----------|------------------|------------------------|---------|
|                   |                  | Anthrax             | Blackleg | Pleuro-Pneumonia | Hemorrhagic Septicemia | Others  |
| <b>Ethiopia</b>   | 623,045          | 152,700             | 86,537   | 62,597           | 58,856                 | 252,813 |
| <b>Tigray</b>     | 61,108           | 13,184              | 13,539   | 6,635            | 12,670                 | 25,567  |
| North West Tigray | 2,957            | *                   | *        | *                | *                      | *       |
| Central Tigray    | 30,932           | *                   | *        | *                | 10,326                 | 14,571  |
| Eastern Tigray    | 18,520           | 6,510               | 8,999    | *                | *                      | 8,441   |
| Southern Tigray   | 8,627            | 1,474               | *        | 1,402            | *                      | 2,154   |
| Western Tigray    | *                | -                   | -        | *                | -                      | -       |
| <b>Afar</b>       | *                | -                   | -        | *                | -                      | -       |
| Zone 1            | -                | -                   | -        | -                | -                      | -       |
| Zone 3            | *                | -                   | -        | *                | -                      | -       |
| <b>Amhara</b>     | 120,166          | 32,727              | *        | 11,606           | *                      | 39,263  |
| North Gonder      | *                | *                   | -        | *                | -                      | *       |
| South Gonder      | 10,721           | *                   | -        | -                | -                      | 10,065  |
| North Wolo        | -                | -                   | -        | -                | -                      | -       |
| South Wolo        | 25,531           | *                   | *        | *                | *                      | *       |
| North Shewa       | 29,655           | *                   | *        | *                | *                      | *       |
| East Gojam        | 22,319           | 11,913              | *        | *                | -                      | *       |
| West Gojam        | 15,586           | *                   | *        | *                | -                      | 6,026   |
| Waghamera         | 1,473            | -                   | -        | *                | -                      | *       |
| Awi               | 6,829            | *                   | *        | *                | -                      | 3,334   |
| Oromia            | -                | -                   | -        | -                | -                      | -       |
| <b>Oromia</b>     | 401,380          | 97,414              | 47,687   | 39,873           | 36,624                 | 171,367 |
| West Wellega      | 12,910           | *                   | -        | 2,075            | *                      | *       |
| East Wellega      | 32,877           | *                   | *        | *                | *                      | *       |
| Illubabor         | 3,262            | *                   | *        | *                | *                      | *       |
| Jimma             | *                | *                   | -        | *                | -                      | -       |
| West Shewa        | 57,614           | *                   | *        | *                | *                      | 29,468  |
| North Shewa       | 49,423           | 29,203              | *        | *                | *                      | *       |
| East Shewa        | 46,490           | 26,550              | *        | *                | *                      | *       |
| Arsi              | 71,261           | 14,911              | *        | *                | *                      | 45,769  |
| West Harerghe     | 8,377            | *                   | *        | -                | *                      | *       |
| East Harerghe     | *                | -                   | *        | *                | -                      | *       |
| Bale              | 67,782           | *                   | *        | *                | *                      | *       |
| Borena            | *                | *                   | -        | *                | -                      | -       |
| South West Shewa  | 33,422           | *                   | *        | *                | 6,461                  | 6,913   |
| Guji              | *                | -                   | -        | -                | *                      | *       |

TABLE 3-23 – d CONT'D

| Geographic Area         | Total Vaccinated | Vaccinated against: |          |                  |                        |        |
|-------------------------|------------------|---------------------|----------|------------------|------------------------|--------|
|                         |                  | Anthrax             | Blackleg | Pleuro-Pneumonia | Hemorrhagic Septicemia | Others |
| <b>Somale</b>           | *                | -                   | -        | *                | -                      | -      |
| Shinele                 | -                | -                   | -        | -                | -                      | -      |
| Jijiga                  | -                | -                   | -        | -                | -                      | -      |
| Liben                   | *                | -                   | -        | *                | -                      | -      |
| <b>Benshangul-Gumuz</b> | 118              | *                   | -        | -                | -                      | *      |
| Metekel                 | -                | -                   | -        | -                | -                      | -      |
| Asosa                   | -                | -                   | -        | -                | -                      | -      |
| Kemeshi                 | 118              | *                   | -        | -                | -                      | *      |
| <b>SNNP</b>             | 39,420           | 9,322               | 3,851    | 4,284            | 4,275                  | 16,105 |
| Gurage                  | 4,623            | *                   | *        | *                | *                      | *      |
| Hadiya                  | 8,439            | *                   | -        | *                | *                      | *      |
| Kembata Tembaro         | 5,104            | 2,239               | *        | *                | *                      | *      |
| Sidama                  | *                | *                   | -        | -                | -                      | -      |
| Gedio                   | *                | -                   | -        | *                | -                      | *      |
| Wolayita                | *                | *                   | -        | -                | -                      | -      |
| South Omo               | *                | -                   | *        | *                | -                      | -      |
| Shaka                   | *                | -                   | -        | *                | -                      | *      |
| Kaffa                   | 8,661            | *                   | *        | 1,797            | *                      | *      |
| Gamo Gofa               | *                | *                   | *        | -                | -                      | *      |
| Bench Maji              | *                | -                   | -        | -                | *                      | *      |
| Yem Sp. Wereda          | *                | -                   | *        | -                | -                      | *      |
| Amaro Sp. Wereda        | -                | -                   | -        | -                | -                      | -      |
| Burji Sp. Wereda        | -                | -                   | -        | -                | -                      | -      |
| Konso Sp. Wereda        | *                | -                   | -        | *                | -                      | -      |
| Derashe Sp. Wereda      | *                | *                   | -        | -                | -                      | *      |
| Dawro                   | *                | -                   | -        | -                | -                      | *      |
| Basketo Sp. Wereda      | *                | *                   | *        | -                | -                      | -      |
| Konta Sp. Wereda        | 137              | *                   | *        | *                | -                      | -      |
| Silte                   | 5,363            | *                   | *        | *                | -                      | 2,285  |
| Alaba Sp. Wereda        | 890              | *                   | -        | -                | -                      | *      |
| <b>Harari</b>           | *                | *                   | -        | -                | -                      | *      |
| Hundene                 | *                | *                   | -        | -                | -                      | *      |
| <b>Addis Ababa</b>      | 283              | -                   | *        | -                | *                      | 240    |
| Zone 3                  | 250              | -                   | -        | -                | *                      | 207    |
| Zone 6                  | *                | -                   | *        | -                | *                      | *      |
| <b>Dire Dawa</b>        | *                | -                   | -        | -                | -                      | *      |



e. Camels

| Geographic Area   | Total Vaccinated | Vaccinated against: |          |                  |                        |        |
|-------------------|------------------|---------------------|----------|------------------|------------------------|--------|
|                   |                  | Anthrax             | Blackleg | Pleuro-Pneumonia | Hemorrhagic Septicemia | Others |
| <b>Ethiopia</b>   | 35,916           | 5,332               | *        | 19,829           | *                      | 2,096  |
| <b>Tigray</b>     | 9,347            | *                   | *        | *                | *                      | 892    |
| North West Tigray | 484              | *                   | -        | -                | *                      | *      |
| Central Tigray    | *                | *                   | -        | *                | -                      | *      |
| Eastern Tigray    | *                | *                   | *        | -                | -                      | *      |
| Southern Tigray   | *                | -                   | *        | *                | -                      | -      |
| Western Tigray    | *                | -                   | -        | -                | -                      | -      |
| <b>Afar</b>       | *                | *                   | -        | *                | -                      | *      |
| Zone 1            | *                | -                   | -        | *                | -                      | -      |
| Zone 3            | *                | *                   | -        | *                | -                      | *      |
| <b>Amhara</b>     | *                | *                   | *        | -                | -                      | *      |
| North Gonder      | -                | -                   | -        | -                | -                      | -      |
| South Gonder      | -                | -                   | -        | -                | -                      | -      |
| North Wolo        | -                | -                   | -        | -                | -                      | -      |
| South Wolo        | -                | -                   | -        | -                | -                      | -      |
| North Shewa       | -                | -                   | -        | -                | -                      | -      |
| East Gojam        | -                | -                   | -        | -                | -                      | -      |
| West Gojam        | -                | -                   | -        | -                | -                      | -      |
| Waghamera         | -                | -                   | -        | -                | -                      | -      |
| Awi               | -                | -                   | -        | -                | -                      | -      |
| Oromia            | *                | *                   | *        | -                | -                      | *      |
| <b>Oromia</b>     | *                | *                   | *        | *                | *                      | *      |
| West Wellega      | -                | -                   | -        | -                | -                      | -      |
| East Wellega      | *                | -                   | *        | -                | -                      | *      |
| Illubabor         | -                | -                   | -        | -                | -                      | -      |
| Jimma             | -                | -                   | -        | -                | -                      | -      |
| West Shewa        | -                | -                   | -        | -                | -                      | -      |
| North Shewa       | -                | -                   | -        | -                | -                      | -      |
| East Shewa        | -                | -                   | -        | -                | -                      | -      |
| Arsi              | *                | -                   | -        | *                | -                      | -      |
| West Harerghe     | *                | -                   | -        | -                | -                      | -      |
| East Harerghe     | *                | -                   | -        | *                | *                      | -      |
| Bale              | *                | -                   | *        | -                | -                      | -      |
| Borena            | -                | -                   | -        | -                | -                      | -      |
| South West Shewa  | *                | *                   | -        | -                | *                      | -      |
| Guji              | *                | *                   | -        | *                | -                      | -      |

TABLE 3-23 – e CONT'D

| Geographic Area         | Total Vaccinated | Vaccinated against: |          |                  |                        |        |
|-------------------------|------------------|---------------------|----------|------------------|------------------------|--------|
|                         |                  | Anthrax             | Blackleg | Pleuro-Pneumonia | Hemorrhagic Septicemia | Others |
| <b>Somale</b>           | 1,156            | *                   | -        | 1,017            | -                      | *      |
| Shinele                 | 568              | -                   | -        | 568              | -                      | -      |
| Jijiga                  | *                | *                   | -        | -                | -                      | *      |
| Liben                   | *                | *                   | -        | *                | -                      | -      |
| <b>Benshangul-Gumuz</b> | *                | *                   | -        | -                | -                      | -      |
| Metekel                 | -                | -                   | -        | -                | -                      | -      |
| Asosa                   | -                | -                   | -        | -                | -                      | -      |
| Kemeshi                 | *                | *                   | -        | -                | -                      | -      |
| <b>SNNP</b>             | *                | *                   | *        | *                | -                      | *      |
| Gurage                  | -                | -                   | -        | -                | -                      | -      |
| Hadiya                  | *                | *                   | -        | -                | -                      | -      |
| Kembata Tembaro         | -                | -                   | -        | -                | -                      | -      |
| Sidama                  | -                | -                   | -        | -                | -                      | -      |
| Gedio                   | -                | -                   | -        | -                | -                      | -      |
| Wolayita                | -                | -                   | -        | -                | -                      | -      |
| South Omo               | -                | -                   | -        | -                | -                      | -      |
| Shaka                   | -                | -                   | -        | -                | -                      | -      |
| Kaffa                   | *                | -                   | -        | *                | -                      | -      |
| Gamo Gofa               | -                | -                   | -        | -                | -                      | -      |
| Bench Maji              | -                | -                   | -        | -                | -                      | -      |
| Yem Sp. Wereda          | *                | -                   | -        | -                | -                      | *      |
| Amaro Sp. Wereda        | -                | -                   | -        | -                | -                      | -      |
| Burji Sp. Wereda        | -                | -                   | -        | -                | -                      | -      |
| Konso Sp. Wereda        | -                | -                   | -        | -                | -                      | -      |
| Derashe Sp. Wereda      | -                | -                   | -        | -                | -                      | -      |
| Dawro                   | -                | -                   | -        | -                | -                      | -      |
| Basketo Sp. Wereda      | -                | -                   | -        | -                | -                      | -      |
| Konta Sp. Wereda        | -                | -                   | -        | -                | -                      | -      |
| Silte                   | *                | -                   | *        | -                | -                      | -      |
| Alaba Sp. Wereda        | -                | -                   | -        | -                | -                      | -      |
| <b>Harari</b>           | *                | -                   | -        | -                | *                      | -      |
| Hundene                 | *                | -                   | -        | -                | *                      | -      |
| <b>Addis Ababa</b>      | -                | -                   | -        | -                | -                      | -      |
| Zone 3                  | -                | -                   | -        | -                | -                      | -      |
| Zone 6                  | -                | -                   | -        | -                | -                      | -      |
| <b>Dire Dawa</b>        | 346              | *                   | -        | *                | *                      | *      |

f. Poultry

| Geographic Area   | Total<br>Vaccinated |
|-------------------|---------------------|
| <b>Ethiopia</b>   | 180,103             |
| <b>Tigray</b>     | 25,500              |
| North West Tigray | *                   |
| Central Tigray    | *                   |
| Eastern Tigray    | *                   |
| Southern Tigray   | *                   |
| Western Tigray    | -                   |
| <b>Afar</b>       | -                   |
| Zone 1            | -                   |
| Zone 3            | -                   |
| <b>Amhara</b>     | 39,304              |
| North Gonder      | *                   |
| South Gonder      | -                   |
| North Wolo        | *                   |
| South Wolo        | *                   |
| North Shewa       | *                   |
| East Gojam        | *                   |
| West Gojam        | *                   |
| Waghamera         | -                   |
| Awi               | *                   |
| Oromia            | -                   |
| <b>Oromia</b>     | 82,419              |
| West Wellega      | *                   |
| East Wellega      | *                   |
| Illubabor         | -                   |
| Jimma             | *                   |
| West Shewa        | *                   |
| North Shewa       | *                   |
| East Shewa        | *                   |
| Arsi              | *                   |
| West Harerghe     | *                   |
| East Harerghe     | -                   |
| Bale              | *                   |
| Borena            | -                   |
| South West Shewa  | 9,948               |
| Guji              | -                   |

TABLE 3-23 – f CONT'D

| Geographic Area         | Total Vaccinated |
|-------------------------|------------------|
| <b>Somale</b>           | -                |
| Shinele                 | -                |
| Jijiga                  | -                |
| Liben                   | -                |
| <b>Benshangul-Gumuz</b> | *                |
| Metekel                 | *                |
| Asosa                   | -                |
| Kemeshi                 | -                |
| <b>SNNP</b>             | 29,601           |
| Gurage                  | *                |
| Hadiya                  | -                |
| Kembata Tembaro         | *                |
| Sidama                  | *                |
| Gedio                   | -                |
| Wolayita                | -                |
| South Omo               | -                |
| Shaka                   | 9,981            |
| Kaffa                   | *                |
| Gamo Gofa               | *                |
| Bench Maji              | -                |
| Yem Sp. Wereda          | 1,347            |
| Amaro Sp. Wereda        | -                |
| Burji Sp. Wereda        | -                |
| Konso Sp. Wereda        | -                |
| Derashe Sp. Wereda      | *                |
| Dawro                   | -                |
| Basketo Sp. Wereda      | -                |
| Konta Sp. Wereda        | -                |
| Silte                   | *                |
| Alaba Sp. Wereda        | -                |
| <b>Harari</b>           | -                |
| Hundene                 | -                |
| <b>Addis Ababa</b>      | -                |
| Zone 3                  | -                |
| Zone 6                  | -                |
| <b>Dire Dawa</b>        | *                |

TABLE 3-24: ESTIMATED NUMBER OF LIVESTOCK AFFLICTED/DISEASED BY ZONE AND REGION

| Geographic Area   | Cattle    | Sheep     | Goats     | Draught Animals | Camels | Poultry    |
|-------------------|-----------|-----------|-----------|-----------------|--------|------------|
| <b>Ethiopia</b>   | 5,949,948 | 3,582,991 | 2,978,330 | 675,949         | 54,692 | 13,107,263 |
| <b>Tigray</b>     | 310,140   | 105,562   | 451,605   | 29,282          | 6,464  | 1,391,479  |
| North West Tigray | 142,607   | 20,354    | 221,720   | 8,463           | *      | 571,570    |
| Central Tigray    | 45,796    | 28,503    | 122,196   | 8,103           | *      | 376,485    |
| Eastern Tigray    | 14,073    | 30,064    | 10,556    | 2,381           | -      | 68,484     |
| Southern Tigray   | 64,627    | 21,069    | 61,266    | 7,162           | *      | 59,009     |
| Western Tigray    | 43,037    | *         | 35,867    | 3,174           | *      | 315,931    |
| <b>Afar</b>       | 56,863    | 23,982    | 72,258    | 566             | 15,238 | 15,012     |
| Zone 1            | 43,305    | 13,086    | 22,879    | -               | 1,649  | *          |
| Zone 3            | 13,557    | 10,896    | 49,379    | 566             | 13,589 | 15,000     |
| <b>Amhara</b>     | 1,160,968 | 1,239,224 | 901,112   | 161,375         | *      | 3,709,457  |
| North Gondar      | 209,872   | 144,704   | 249,589   | 21,833          | -      | 1,499,409  |
| South Gondar      | 104,881   | 133,144   | 98,600    | 17,859          | -      | 353,340    |
| North Wolo        | 86,547    | 100,936   | 100,828   | 12,392          | *      | 202,955    |
| South Wolo        | 100,161   | 221,809   | 119,362   | 16,384          | *      | 98,813     |
| North Shewa       | 72,589    | 175,506   | 108,921   | 20,209          | -      | 429,264    |
| East Gojam        | 127,148   | 225,824   | 41,448    | 25,085          | -      | 135,121    |
| West Gojam        | 230,228   | 142,112   | 37,409    | 23,019          | -      | 674,203    |
| Waghamera         | 37,065    | 8,040     | 90,572    | 3,549           | -      | 33,258     |
| Awi               | 151,466   | 82,572    | 34,681    | 19,989          | -      | 243,289    |
| Oromia            | 41,011    | 4,577     | 19,703    | 1,056           | 491    | 39,808     |
| <b>Oromia</b>     | 2,787,815 | 1,512,368 | 905,107   | 377,319         | 20,782 | 4,872,884  |
| West Wellega      | 387,216   | 72,242    | 19,472    | 39,367          | -      | 624,739    |
| East Wellega      | 299,949   | 67,784    | 22,779    | 34,162          | -      | 379,459    |
| Illubabor         | 260,822   | 84,767    | 34,214    | 15,649          | -      | 383,411    |
| Jimma             | 327,381   | 183,499   | 41,607    | 27,928          | -      | 589,079    |
| West Shewa        | 207,162   | 172,049   | 37,204    | 46,900          | -      | 694,823    |
| North Shewa       | 80,654    | 216,185   | 24,196    | 18,674          | *      | 281,723    |
| East Shewa        | 121,526   | 68,937    | 93,455    | 19,979          | *      | 354,612    |
| Arsi              | 240,105   | 277,532   | 90,589    | 65,255          | -      | 459,144    |
| West Harerghe     | 87,081    | 23,589    | 83,989    | 12,159          | *      | 187,678    |
| East Harerghe     | 138,613   | 34,269    | 88,356    | 7,242           | -      | 235,353    |
| Bale              | 256,014   | 195,285   | 124,124   | 41,461          | *      | 211,402    |
| Borena            | 184,101   | 58,934    | 176,530   | 11,054          | *      | 113,440    |
| South West Shewa  | 100,493   | 24,822    | 29,873    | 15,527          | -      | 297,744    |
| Guji              | 96,698    | 32,475    | 38,720    | 21,961          | *      | 60,278     |

Note: Draught animals in this table refer to Horses, Donkeys, and Mules.

TABLE 3-24 CONT'D

| Geographic Area         | Cattle    | Sheep   | Goats   | Draught Animals | Camels | Poultry   |
|-------------------------|-----------|---------|---------|-----------------|--------|-----------|
| <b>Somale</b>           | 38,073    | 64,391  | 80,166  | 2,696           | 9,174  | 5,402     |
| Shinele                 | 3,020     | 7,891   | 12,907  | 141             | 734    | 1,344     |
| Jijiga                  | 21,668    | 27,739  | 28,719  | 1,351           | 2,107  | *         |
| Liben                   | 13,385    | 28,760  | 38,540  | 1,205           | 6,333  | 2,932     |
| <b>Benshangul-Gumuz</b> | 162,936   | 24,071  | 162,231 | 12,440          | -      | 777,189   |
| Metekel                 | 95,098    | 10,250  | 27,917  | 4,049           | -      | 208,539   |
| Asosa                   | 51,185    | 10,168  | 111,249 | 5,660           | -      | 503,921   |
| Kemeshi                 | 16,653    | 3,653   | 23,066  | 2,731           | -      | 64,729    |
| <b>SNNP</b>             | 1,419,629 | 597,376 | 376,216 | 90,797          | *      | 2,301,126 |
| Gurage                  | 84,316    | 23,413  | 10,477  | 7,919           | -      | 127,774   |
| Hadiya                  | 70,634    | 30,956  | 14,220  | 11,700          | -      | 297,685   |
| Kembata Tembaro         | 39,948    | 15,568  | 4,193   | 3,315           | -      | 62,349    |
| Sidama                  | 202,463   | 52,556  | 23,798  | 15,235          | -      | 221,846   |
| Gedio                   | 14,503    | 29,069  | *       | 3,881           | -      | 84,741    |
| Wolayita                | 223,915   | 19,414  | 19,402  | 7,668           | -      | 134,941   |
| South Omo               | 106,503   | 78,709  | 126,887 | 2,608           | -      | 114,946   |
| Shaka                   | 20,919    | 11,543  | 1,711   | 1,697           | -      | 95,806    |
| Kaffa                   | 99,678    | 94,445  | 15,673  | 11,945          | -      | 345,358   |
| Gamo Gofa               | 197,372   | 104,641 | 38,847  | 5,367           | -      | 157,094   |
| Bench Maji              | 86,171    | 37,466  | 6,637   | 4,459           | -      | 281,168   |
| Yem Sp. Wereda          | 7,850     | 2,176   | 2,147   | 281             | -      | 8,562     |
| Amaro Sp. Wereda        | 25,552    | 6,989   | 11,403  | 393             | -      | 18,001    |
| Burji Sp. Wereda        | 15,300    | 356     | 7,087   | 712             | -      | 15,075    |
| Konso Sp. Wereda        | 40,124    | 23,757  | 52,223  | 798             | -      | 43,594    |
| Derashe Sp. Wereda      | 17,383    | 2,076   | 11,779  | 1,393           | -      | 23,482    |
| Dawro                   | 76,675    | 22,631  | 6,066   | 3,686           | -      | 48,087    |
| Basketo Sp. Wereda      | 4,492     | 2,365   | 937     | 277             | *      | 12,002    |
| Konta Sp. Wereda        | 27,107    | 4,026   | 2,910   | 467             | -      | 19,277    |
| Silte                   | 42,240    | 29,594  | 11,979  | 5,633           | -      | 131,233   |
| Alaba Sp. Wereda        | 16,484    | 5,626   | 6,011   | 1,362           | -      | 58,101    |
| <b>Harari</b>           | 6,618     | 413     | 3,577   | 514             | *      | 6,384     |
| Hundene                 | 6,618     | 413     | 3,577   | 514             | *      | 6,384     |
| <b>Addis Ababa</b>      | 1,625     | 1,450   | 414     | 441             | -      | 14,730    |
| Zone 3                  | 1,152     | 1,290   | 306     | 271             | -      | 11,150    |
| Zone 6                  | 473       | *       | *       | 170             | -      | 3,580     |
| <b>Dire Dawa</b>        | 5,279     | 14,156  | 25,643  | 519             | 787    | 13,600    |

TABLE 3-25: ESTIMATED NUMBER OF LIVESTOCK TREATED BY ZONE AND REGION

| Geographic Area   | Cattle    | Sheep   | Goats   | Draught Animals | Camels | Poultry |
|-------------------|-----------|---------|---------|-----------------|--------|---------|
| <b>Ethiopia</b>   | 2,569,527 | 733,841 | 597,324 | 226,634         | 14,503 | 403,606 |
| <b>Tigray</b>     | 149,935   | 42,230  | 200,090 | 9,861           | 4,511  | 50,940  |
| North West Tigray | 80,542    | *       | 93,825  | 2,766           | *      | 19,137  |
| Central Tigray    | 24,314    | 5,724   | 56,560  | 2,079           | *      | 9,690   |
| Eastern Tigray    | 8,236     | *       | 3,526   | 520             | -      | *       |
| Southern Tigray   | 28,486    | 10,871  | 34,203  | 3,518           | *      | 3,365   |
| Western Tigray    | 8,357     | *       | 11,976  | 978             | *      | *       |
| <b>Afar</b>       | 9,063     | 3,142   | 9,705   | *               | *      | *       |
| Zone 1            | 7,417     | *       | 3,571   | -               | *      | -       |
| Zone 3            | 1,645     | *       | 6,134   | *               | *      | *       |
| <b>Amhara</b>     | 457,312   | 269,687 | 148,977 | 39,194          | *      | 68,507  |
| North Gonder      | 66,859    | 38,680  | 36,169  | 3,159           | -      | 14,278  |
| South Gonder      | 41,900    | 27,321  | 11,523  | 1,814           | -      | *       |
| North Wolo        | 6,964     | 19,248  | 4,426   | *               | *      | -       |
| South Wolo        | *         | 48,275  | *       | 3,027           | *      | *       |
| North Shewa       | 14,715    | 11,072  | *       | *               | -      | *       |
| East Gojam        | 60,366    | 46,589  | *       | 6,290           | -      | *       |
| West Gojam        | 108,955   | 38,112  | *       | 9,494           | -      | 14,751  |
| Waghamera         | 9,157     | *       | 15,906  | 884             | -      | *       |
| Awi               | 85,787    | 37,075  | 5,632   | 9,912           | -      | *       |
| Oromia            | 19,910    | *       | 4,796   | -               | *      | *       |
| <b>Oromia</b>     | 1,258,881 | 351,166 | 156,803 | 142,318         | 2,468  | 200,413 |
| West Wellega      | 315,858   | 47,564  | 7,996   | 30,897          | -      | 40,354  |
| East Wellega      | 219,202   | 18,663  | 4,263   | 21,885          | -      | 35,071  |
| Illubabor         | 135,518   | 7,085   | 2,803   | 7,742           | -      | -       |
| Jimma             | 95,430    | *       | *       | 2,832           | -      | *       |
| West Shewa        | 43,247    | 18,939  | *       | 9,318           | -      | 12,728  |
| North Shewa       | 17,432    | 45,101  | *       | *               | *      | 15,698  |
| East Shewa        | 49,860    | *       | 31,674  | 4,729           | -      | *       |
| Arsi              | 106,695   | 127,221 | 5,533   | 33,007          | -      | 31,555  |
| West Harerghe     | 24,947    | *       | *       | 2,123           | *      | *       |
| East Harerghe     | 47,784    | *       | 9,934   | *               | -      | *       |
| Bale              | 69,574    | 35,372  | 15,047  | 12,854          | -      | *       |
| Borena            | 62,797    | 9,060   | 55,605  | 2,838           | *      | 18,808  |
| South West Shewa  | 48,900    | *       | *       | 5,699           | -      | 17,892  |
| Guji              | 21,637    | *       | *       | 3,168           | *      | *       |

TABLE 3-25 CONT'D

| Geographic Area         | Cattle  | Sheep  | Goats  | Draught Animals | Camels | Poultry |
|-------------------------|---------|--------|--------|-----------------|--------|---------|
| <b>Somale</b>           | 3,260   | 8,411  | 9,014  | *               | 1,740  | 252     |
| Shinele                 | 642     | 799    | 1,033  | *               | 53     | 186     |
| Jijiga                  | *       | *      | *      | -               | *      | -       |
| Liben                   | 1,911   | 7,289  | 7,534  | *               | *      | *       |
| <b>Benshangul-Gumuz</b> | 116,648 | 6,194  | 18,073 | 5,664           | -      | 9,278   |
| Metekel                 | 60,583  | 2,955  | *      | 2,678           | -      | 5,125   |
| Asosa                   | 44,686  | 2,943  | 13,017 | 2,045           | -      | *       |
| Kemeshi                 | 11,378  | 296    | 1,385  | 941             | -      | *       |
| <b>SNNP</b>             | 570,647 | 50,395 | 51,474 | 29,009          | *      | 71,754  |
| Gurage                  | 39,158  | 1,847  | *      | *               | -      | *       |
| Hadiya                  | 15,833  | 1,991  | *      | 3,143           | -      | *       |
| Kembata Tembaro         | 13,015  | 1,092  | *      | 861             | -      | *       |
| Sidama                  | 80,978  | 12,260 | *      | *               | -      | *       |
| Gedio                   | 3,283   | 3,828  | *      | 1,579           | -      | *       |
| Wolayita                | 159,385 | 7,933  | *      | 4,589           | -      | *       |
| South Omo               | 16,758  | *      | *      | *               | -      | *       |
| Shaka                   | 10,769  | 1,243  | -      | 642             | -      | *       |
| Kaffa                   | 20,272  | *      | *      | 3,088           | -      | *       |
| Gamo Gofa               | 64,074  | 3,450  | *      | *               | -      | *       |
| Bench Maji              | 33,421  | 4,568  | *      | 2,396           | -      | *       |
| Yem Sp. Wereda          | 4,802   | 375    | *      | *               | -      | 1,380   |
| Amaro Sp. Wereda        | 8,814   | 957    | 1,608  | *               | -      | -       |
| Burji Sp. Wereda        | 9,989   | *      | 1,579  | 317             | -      | *       |
| Konso Sp. Wereda        | 17,273  | 4,160  | 11,408 | *               | -      | *       |
| Derashe Sp. Wereda      | 7,400   | *      | 2,491  | 473             | -      | *       |
| Dawro                   | 36,024  | *      | *      | 2,192           | -      | *       |
| Basketo Sp. Wereda      | 2,054   | 258    | *      | *               | *      | -       |
| Konta Sp. Wereda        | 13,257  | 162    | *      | 379             | -      | *       |
| Silte                   | 11,382  | 1,270  | *      | 1,672           | -      | *       |
| Alaba Sp. Wereda        | 2,702   | *      | *      | *               | -      | *       |
| <b>Harari</b>           | 2,328   | *      | 624    | 213             | *      | *       |
| Hundene                 | 2,328   | *      | 624    | 213             | *      | *       |
| <b>Addis Ababa</b>      | 140     | 118    | -      | *               | -      | 1,345   |
| Zone 3                  | 92      | 111    | -      | *               | -      | 1,022   |
| Zone 6                  | *       | *      | -      | -               | -      | *       |
| <b>Dire Dawa</b>        | 1,315   | 2,359  | 2,564  | *               | 215    | *       |



TABLE 3-26- a: ESTIMATED NUMBER OF LIVESTOCK DIED FROM DISEASE  
BY ZONE AND REGION

| Geographic Area   | Cattle    | Sheep     | Goats     | Horses  | Donkeys | Mules  | Camels | Poultry    |
|-------------------|-----------|-----------|-----------|---------|---------|--------|--------|------------|
| <b>Ethiopia</b>   | 2,658,947 | 2,814,575 | 2,328,333 | 134,048 | 200,792 | 18,335 | 18,545 | 14,801,377 |
| <b>Tigray</b>     | 151,580   | 121,019   | 377,756   | *       | 16,487  | *      | 1,230  | 1,739,735  |
| North West Tigray | 54,249    | 13,536    | 159,470   | -       | 2,457   | *      | *      | 655,559    |
| Central Tigray    | 15,803    | 21,414    | 97,252    | -       | 4,851   | -      | -      | 408,563    |
| Eastern Tigray    | 10,715    | 49,730    | 25,167    | *       | 2,362   | *      | -      | 174,158    |
| Southern Tigray   | 38,987    | 29,508    | 56,942    | *       | 4,880   | *      | *      | 95,424     |
| Western Tigray    | 31,826    | *         | 38,925    | *       | 1,938   | *      | *      | 406,030    |
| <b>Afar</b>       | 46,920    | 18,673    | 42,668    | *       | 266     | 191    | 5,444  | 18,029     |
| Zone 1            | 37,914    | 14,265    | 20,605    | -       | *       | *      | 1,316  | *          |
| Zone 3            | 9,005     | 4,408     | 22,063    | *       | 198     | 177    | 4,128  | 18,000     |
| <b>Amhara</b>     | 413,127   | 903,682   | 685,816   | 25,561  | 59,217  | 3,183  | *      | 3,616,409  |
| North Gonder      | 81,741    | 100,967   | 181,865   | 3,011   | 8,866   | *      | -      | 1,357,166  |
| South Gonder      | 38,267    | 89,451    | 92,078    | *       | 8,638   | *      | -      | 402,688    |
| North Wolo        | 36,586    | 61,479    | 49,305    | 2,814   | 4,815   | -      | *      | 177,116    |
| South Wolo        | 43,667    | 170,014   | 79,290    | *       | 5,812   | *      | -      | 127,715    |
| North Shewa       | 31,978    | 150,075   | 112,908   | *       | 7,908   | *      | -      | 430,377    |
| East Gojam        | 39,426    | 175,349   | 44,628    | 5,888   | 9,654   | *      | -      | 158,207    |
| West Gojam        | 58,506    | 94,674    | 27,116    | *       | 7,479   | *      | -      | 647,887    |
| Waghamera         | 19,959    | 7,229     | 56,283    | -       | 2,191   | -      | -      | 32,060     |
| Awi               | 39,790    | 52,339    | 25,192    | 5,256   | 3,436   | -      | -      | 235,960    |
| Oromia            | 23,208    | 2,105     | 17,150    | -       | *       | -      | *      | 47,233     |
| <b>Oromia</b>     | 1,304,189 | 1,242,539 | 780,890   | 81,720  | 100,764 | 10,575 | 7,883  | 6,294,945  |
| West Wellega      | 114,520   | 49,427    | 19,894    | *       | 7,705   | *      | -      | 953,225    |
| East Wellega      | 123,030   | 65,091    | 21,015    | *       | 15,840  | *      | -      | 609,974    |
| Illubabor         | 101,690   | 68,134    | 31,829    | 5,079   | *       | *      | -      | 353,993    |
| Jimma             | 167,967   | 149,134   | 34,762    | 9,573   | 5,638   | 1,875  | -      | 667,286    |
| West Shewa        | 113,979   | 147,879   | 37,558    | 15,858  | 10,175  | *      | *      | 797,094    |
| North Shewa       | 47,705    | 176,475   | 28,520    | 4,281   | 7,114   | *      | -      | 374,147    |
| East Shewa        | 60,306    | 58,812    | 86,125    | 4,163   | 8,956   | *      | *      | 446,729    |
| Arsi              | 98,831    | 203,630   | 91,414    | 10,487  | 12,541  | *      | -      | 648,792    |
| West Harerghe     | 42,091    | 18,924    | 71,145    | *       | 6,506   | -      | *      | 293,379    |
| East Harerghe     | 62,971    | 30,766    | 65,937    | *       | 4,689   | *      | -      | 284,645    |
| Bale              | 158,886   | 181,313   | 114,899   | 15,291  | 7,215   | *      | *      | 257,314    |
| Borena            | 88,964    | 41,052    | 116,837   | *       | 2,234   | *      | *      | 99,015     |
| South West Shewa  | 41,119    | 21,697    | 22,886    | 2,246   | 7,937   | 623    | -      | 375,227    |
| Guji              | 82,129    | 30,204    | 38,071    | 8,227   | 3,044   | *      | *      | 134,126    |

TABLE 3-26 – a CONT'D

| Geographic Area         | Cattle  | Sheep   | Goats   | Horses | Donkeys | Mules | Camels | Poultry   |
|-------------------------|---------|---------|---------|--------|---------|-------|--------|-----------|
| <b>Somale</b>           | 33,238  | 34,813  | 38,650  | *      | 607     | -     | 1,936  | 6,172     |
| Shinele                 | 1,629   | 6,678   | 9,743   | -      | 33      | -     | 147    | 1,281     |
| Jijiga                  | 24,590  | 18,779  | 16,278  | *      | *       | -     | *      | *         |
| Liben                   | 7,019   | 9,356   | 12,630  | *      | *       | -     | *      | 3,279     |
| <b>Benshangul-Gumuz</b> | 37,454  | 16,061  | 128,094 | *      | 5,442   | *     | -      | 751,582   |
| Metekel                 | 20,518  | 6,597   | 23,833  | *      | 1,386   | *     | -      | 211,331   |
| Asosa                   | 12,647  | 7,340   | 83,978  | *      | 2,837   | *     | -      | 472,504   |
| Kemeshi                 | 4,290   | 2,124   | 20,284  | -      | 1,219   | -     | -      | 67,746    |
| <b>SNNP</b>             | 664,782 | 465,483 | 251,506 | 24,597 | 16,761  | 3,347 | *      | 2,337,851 |
| Gurage                  | 38,479  | 18,025  | 6,215   | 1,507  | 1,264   | *     | -      | 133,765   |
| Hadiya                  | 40,872  | 26,100  | 9,177   | 2,919  | 2,335   | *     | -      | 292,444   |
| Kembata Tembaro         | 19,969  | 8,004   | 3,416   | *      | 559     | -     | -      | 60,319    |
| Sidama                  | 91,680  | 39,424  | 18,801  | 3,453  | 3,881   | -     | -      | 200,846   |
| Gedio                   | 6,976   | 17,573  | *       | 1,438  | *       | *     | -      | 116,444   |
| Wolayita                | 79,839  | 10,930  | *       | *      | 1,314   | -     | -      | 145,818   |
| South Omo               | 67,550  | 57,865  | 87,653  | *      | *       | *     | -      | 151,367   |
| Shaka                   | 10,504  | 10,242  | 1,528   | *      | *       | -     | -      | 95,023    |
| Kaffa                   | 68,415  | 96,374  | 13,504  | 5,570  | *       | 764   | *      | 327,744   |
| Gamo Gofa               | 77,303  | 76,854  | 22,243  | *      | 1,370   | *     | -      | 163,980   |
| Bench Maji              | 46,069  | 28,109  | 5,922   | *      | -       | -     | -      | 268,716   |
| Yem Sp. Wereda          | 2,640   | 2,414   | 1,912   | *      | *       | -     | -      | 8,785     |
| Amaro Sp. Wereda        | 5,309   | 2,913   | 6,260   | *      | *       | -     | -      | 15,712    |
| Burji Sp. Wereda        | 3,110   | 221     | 4,390   | -      | 124     | -     | -      | 14,637    |
| Konso Sp. Wereda        | 14,646  | 13,477  | 27,870  | -      | 538     | -     | -      | 44,377    |
| Derashe Sp. Wereda      | 4,646   | 1,176   | 5,612   | -      | 200     | -     | -      | 23,111    |
| Dawro                   | 36,011  | 18,215  | 4,812   | 540    | *       | *     | -      | 37,158    |
| Basketo Sp. Wereda      | 1,435   | 1,954   | 705     | *      | -       | *     | -      | 10,262    |
| Konta Sp. Wereda        | 14,420  | 4,256   | 2,368   | *      | -       | *     | -      | 21,213    |
| Silte                   | 22,863  | 26,835  | 10,580  | *      | 1,989   | 931   | -      | 154,615   |
| Alaba Sp. Wereda        | 12,047  | 4,521   | 5,327   | *      | 699     | -     | -      | 51,516    |
| <b>Harari</b>           | 2,301   | 355     | 2,254   | *      | 222     | -     | -      | 6,297     |
| Hundene                 | 2,301   | 355     | 2,254   | *      | 222     | -     | -      | 6,297     |
| <b>Addis Ababa</b>      | 1,035   | 1,082   | 396     | *      | 345     | *     | -      | 15,628    |
| Zone 3                  | 728     | 782     | 306     | *      | 246     | *     | -      | 10,625    |
| Zone 6                  | 306     | 299     | 89      | -      | 98      | -     | -      | 5,003     |
| <b>Dire Dawa</b>        | 4,321   | 10,869  | 20,304  | *      | *       | -     | 458    | 14,729    |

TABLE 3-26- b: ESTIMATED NUMBER OF LIVESTOCK DIED FROM OTHER CAUSES  
BY ZONE AND REGION

| Geographic Area   | Cattle  | Sheep   | Goats   | Horses | Donkeys | Mules | Camels | Poultry    |
|-------------------|---------|---------|---------|--------|---------|-------|--------|------------|
| <b>Ethiopia</b>   | 540,415 | 454,754 | 640,165 | 33,342 | 55,954  | 7,060 | *      | 11,286,227 |
| <b>Tigray</b>     | 65,960  | 35,262  | 107,206 | -      | 8,529   | *     | *      | 785,065    |
| North West Tigray | 23,468  | 3,895   | 41,948  | -      | 1,796   | -     | -      | 247,429    |
| Central Tigray    | 4,941   | 5,014   | 21,522  | -      | *       | -     | -      | 183,571    |
| Eastern Tigray    | 6,501   | 15,430  | 7,050   | -      | 1,268   | -     | -      | 106,126    |
| Southern Tigray   | 17,391  | 9,570   | 22,374  | -      | 3,758   | *     | *      | 158,394    |
| Western Tigray    | 13,660  | *       | 14,311  | -      | *       | -     | -      | 89,545     |
| <b>Afar</b>       | 6,808   | 2,817   | 7,352   | -      | *       | *     | 1,002  | 8,431      |
| Zone 1            | 5,156   | 1,592   | 3,040   | -      | -       | -     | *      | -          |
| Zone 3            | 1,653   | 1,225   | 4,312   | -      | *       | *     | *      | 8,431      |
| <b>Amhara</b>     | 171,177 | 143,402 | 230,070 | 9,270  | 18,385  | *     | *      | 3,228,325  |
| North Gonder      | 32,709  | 13,319  | 53,383  | *      | 2,859   | *     | -      | 597,334    |
| South Gonder      | 19,126  | 16,176  | 21,279  | *      | *       | *     | -      | 552,122    |
| North Wolo        | 22,491  | 9,971   | 27,007  | *      | *       | -     | -      | 228,642    |
| South Wolo        | 21,377  | 35,303  | 33,752  | *      | 4,017   | -     | -      | 336,151    |
| North Shewa       | 16,189  | 28,772  | 32,824  | 1,375  | 4,079   | -     | -      | 337,041    |
| East Gojam        | 11,110  | 21,981  | 8,843   | *      | 1,437   | *     | -      | 142,874    |
| West Gojam        | 18,464  | 8,881   | 11,296  | *      | 2,638   | -     | -      | 593,798    |
| Waghamera         | 11,315  | 5,312   | 29,829  | -      | 348     | *     | *      | 123,394    |
| Awi               | 8,644   | 3,077   | 6,115   | *      | *       | -     | -      | 204,008    |
| Oromia            | *       | *       | 5,742   | -      | *       | -     | -      | 112,962    |
| <b>Oromia</b>     | 204,578 | 180,315 | 207,344 | 14,403 | 23,669  | 1,218 | *      | 4,271,140  |
| West Wellega      | 8,111   | 11,075  | 3,919   | *      | *       | -     | -      | 589,393    |
| East Wellega      | 16,210  | 10,814  | 3,619   | *      | *       | -     | *      | 235,954    |
| Illubabor         | 8,166   | 9,515   | 1,525   | *      | *       | -     | -      | 424,060    |
| Jimma             | 16,254  | 29,463  | 3,164   | *      | *       | -     | -      | 497,577    |
| West Shewa        | 25,723  | 13,704  | 9,838   | 1,157  | 2,396   | -     | -      | 194,265    |
| North Shewa       | 11,121  | 8,072   | 10,104  | 899    | 1,516   | *     | -      | 90,569     |
| East Shewa        | 14,266  | 10,934  | 20,036  | *      | 2,174   | *     | *      | 213,313    |
| Arsi              | 19,716  | 27,562  | 26,523  | *      | *       | *     | -      | 531,055    |
| West Harerghe     | 16,363  | 7,392   | 35,775  | *      | 1,419   | -     | *      | 450,428    |
| East Harerghe     | 9,606   | 7,287   | 26,180  | -      | *       | -     | -      | 440,979    |
| Bale              | 27,800  | 32,487  | 33,248  | 5,855  | 4,468   | -     | -      | 247,482    |
| Borena            | 11,130  | *       | 25,235  | -      | *       | *     | *      | 138,178    |
| South West Shewa  | 5,128   | 2,536   | 5,481   | *      | 1,253   | -     | -      | 88,601     |
| Guji              | *       | 1,382   | *       | -      | *       | -     | *      | 129,288    |

TABLE 3-26 – b CONT'D

| Geographic Area         | Cattle | Sheep  | Goats  | Horses | Donkeys | Mules | Camels | Poultry   |
|-------------------------|--------|--------|--------|--------|---------|-------|--------|-----------|
| <b>Somale</b>           | *      | 8,705  | 10,790 | -      | 560     | *     | 589    | 13,046    |
| Shinele                 | 445    | 2,042  | 3,491  | -      | 65      | -     | 46     | 1,473     |
| Jijiga                  | *      | *      | *      | -      | *       | -     | -      | *         |
| Liben                   | 2,479  | 1,949  | 3,386  | -      | *       | *     | 543    | 6,149     |
| <b>Benshangul-Gumuz</b> | 5,405  | 3,680  | 15,592 | -      | 648     | *     | -      | 262,446   |
| Metekel                 | 3,844  | 2,346  | 5,907  | -      | *       | -     | -      | 141,569   |
| Asosa                   | 621    | 443    | 4,500  | -      | 343     | -     | -      | 77,909    |
| Kemeshi                 | 941    | 891    | 5,185  | -      | *       | *     | -      | 42,968    |
| <b>SNNP</b>             | 74,089 | 76,312 | 52,787 | *      | 3,353   | *     | -      | 2,682,558 |
| Gurage                  | 8,418  | 4,709  | 6,350  | *      | *       | *     | -      | 133,793   |
| Hadiya                  | 7,380  | 6,502  | 4,941  | *      | *       | -     | -      | 258,186   |
| Kembata Tembaro         | 2,820  | 1,648  | *      | *      | -       | *     | -      | 136,079   |
| Sidama                  | 8,135  | *      | 2,627  | *      | *       | -     | -      | 289,243   |
| Gedio                   | *      | 1,846  | *      | -      | -       | -     | -      | 82,183    |
| Wolayita                | 4,249  | *      | *      | *      | -       | -     | -      | 117,383   |
| South Omo               | 4,624  | 7,302  | 12,409 | *      | -       | -     | -      | 129,828   |
| Shaka                   | 1,202  | 4,591  | *      | -      | -       | -     | -      | 88,123    |
| Kaffa                   | 5,338  | 14,709 | 2,329  | *      | *       | *     | -      | 473,943   |
| Gamo Gofa               | 9,656  | 5,998  | 3,241  | *      | -       | -     | -      | 239,544   |
| Bench Maji              | 3,562  | 6,242  | *      | *      | -       | -     | -      | 314,822   |
| Yem Sp. Wereda          | 361    | 203    | 536    | -      | *       | -     | -      | 8,585     |
| Amaro Sp. Wereda        | 1,598  | *      | 867    | -      | -       | -     | -      | 27,737    |
| Burji Sp. Wereda        | 482    | *      | 1,013  | -      | *       | -     | -      | 7,235     |
| Konso Sp. Wereda        | 606    | 1,806  | 1,992  | -      | -       | -     | -      | 41,370    |
| Derashe Sp. Wereda      | 340    | *      | 851    | -      | -       | -     | -      | 22,551    |
| Dawro                   | 4,709  | 3,728  | 1,284  | *      | -       | -     | -      | 54,158    |
| Basketo Sp. Wereda      | 588    | 249    | *      | -      | -       | -     | -      | 23,052    |
| Konta Sp. Wereda        | 675    | 2,493  | 378    | -      | *       | -     | -      | 30,036    |
| Silte                   | 8,097  | 8,154  | 4,825  | -      | 524     | *     | -      | 173,734   |
| Alaba Sp. Wereda        | 1,094  | 983    | *      | -      | *       | -     | -      | 30,972    |
| <b>Harari</b>           | 428    | 193    | 1,088  | -      | *       | -     | *      | 14,391    |
| Hundene                 | 428    | 193    | 1,088  | -      | *       | -     | *      | 14,391    |
| <b>Addis Ababa</b>      | 235    | 122    | 96     | -      | 98      | -     | -      | 4,089     |
| Zone 3                  | 146    | 114    | 64     | -      | *       | -     | -      | 3,139     |
| Zone 6                  | 89     | *      | *      | -      | *       | -     | -      | 950       |
| <b>Dire Dawa</b>        | 1,558  | 3,944  | 7,840  | *      | 432     | *     | 234    | 16,735    |

TABLE 3 -27- a: NUMBER OF HOLDINGS BY SIZE OF CATTLE

| Geographic Area   | Holdings with<br>no cattle | 1-2 Head  | 3-4 Head  | 5-9 Head  | 10-19 Head | 20-49 Head | 50-99 Head | 100-199<br>Head | >=200 Head |
|-------------------|----------------------------|-----------|-----------|-----------|------------|------------|------------|-----------------|------------|
| <b>Ethiopia</b>   | 2,065,817                  | 3,016,084 | 3,007,056 | 2,486,705 | 571,268    | 80,227     | 5,067      | 570             | -          |
| <b>Tigray</b>     | 110,319                    | 173,943   | 196,675   | 164,567   | 38,347     | 5,492      | 213        | -               | -          |
| North West Tigray | 11,770                     | 23,006    | 29,205    | 43,705    | 16,906     | 2,273      | -          | -               | -          |
| Central Tigray    | 37,169                     | 55,586    | 64,185    | 40,946    | 3,451      | -          | -          | -               | -          |
| Eastern Tigray    | 25,180                     | 34,111    | 37,862    | 17,219    | 555        | -          | -          | -               | -          |
| Southern Tigray   | 30,993                     | 52,816    | 55,944    | 41,651    | 6,238      | 520        | -          | -               | -          |
| Western Tigray    | 5,208                      | 8,423     | 9,479     | 21,046    | 11,197     | 2,699      | 213        | -               | -          |
| <b>Afar</b>       | 6,372                      | 3,140     | 2,414     | 4,921     | 6,765      | 4,402      | 819        | 124             | -          |
| Zone 1            | 2,504                      | 1,055     | 1,079     | 2,192     | 2,655      | 1,871      | 199        | 31              | -          |
| Zone 3            | 3,869                      | 2,085     | 1,335     | 2,729     | 4,109      | 2,531      | 620        | 93              | -          |
| <b>Amhara</b>     | 519,822                    | 928,271   | 921,924   | 671,004   | 93,998     | 5,487      | 300        | -               | -          |
| North Gondar      | 83,354                     | 105,271   | 111,234   | 111,856   | 31,484     | 1,751      | 300        | -               | -          |
| South Gondar      | 67,139                     | 121,307   | 127,389   | 85,256    | 4,821      | 302        | -          | -               | -          |
| North Wolo        | 48,932                     | 97,970    | 101,302   | 48,089    | 1,493      | -          | -          | -               | -          |
| South Wolo        | 75,178                     | 144,186   | 186,174   | 86,683    | 2,285      | -          | -          | -               | -          |
| North Shewa       | 61,899                     | 115,398   | 105,749   | 81,445    | 7,243      | -          | -          | -               | -          |
| East Gojam        | 77,043                     | 149,993   | 94,381    | 79,360    | 10,879     | 865        | -          | -               | -          |
| West Gojam        | 50,706                     | 114,901   | 116,337   | 93,486    | 15,335     | 805        | -          | -               | -          |
| Waghamera         | 15,309                     | 21,527    | 20,223    | 17,440    | 3,025      | -          | -          | -               | -          |
| Awi               | 27,361                     | 40,229    | 39,446    | 48,343    | 14,060     | 1,107      | -          | -               | -          |
| Oromia            | 12,904                     | 17,487    | 19,688    | 19,047    | 3,373      | 656        | -          | -               | -          |
| <b>Oromia</b>     | 843,568                    | 1,073,594 | 1,069,946 | 1,111,576 | 350,498    | 48,982     | 1,655      | 357             | -          |
| West Wellega      | 110,955                    | 79,296    | 63,061    | 70,815    | 19,693     | 2,646      | -          | -               | -          |
| East Wellega      | 49,149                     | 49,412    | 49,956    | 85,489    | 40,154     | 3,788      | -          | -               | -          |
| Illubabor         | 43,629                     | 49,562    | 46,328    | 50,158    | 14,911     | 740        | -          | -               | -          |
| Jimma             | 64,829                     | 117,755   | 143,981   | 135,009   | 26,837     | 903        | -          | -               | -          |
| West Shewa        | 64,820                     | 77,423    | 82,854    | 110,115   | 36,088     | 5,892      | -          | -               | -          |
| North Shewa       | 37,028                     | 54,957    | 55,522    | 82,350    | 25,556     | 1,752      | -          | -               | -          |
| East Shewa        | 94,599                     | 91,208    | 70,709    | 86,670    | 26,161     | 4,032      | 401        | -               | -          |
| Arsi              | 88,871                     | 113,577   | 142,422   | 162,736   | 45,715     | 6,507      | -          | -               | -          |
| West Harerghe     | 54,005                     | 107,363   | 91,616    | 46,679    | 6,157      | 273        | -          | -               | -          |
| East Harerghe     | 84,353                     | 169,318   | 131,845   | 34,029    | 1,679      | -          | -          | -               | -          |
| Bale              | 45,115                     | 53,690    | 80,827    | 112,021   | 44,388     | 3,642      | -          | -               | -          |
| Borena            | 26,513                     | 28,864    | 24,304    | 34,483    | 26,566     | 12,637     | 1,254      | 357             | -          |
| South West Shewa  | 35,718                     | 44,913    | 49,187    | 53,060    | 12,490     | 287        | -          | -               | -          |
| Guji              | 43,984                     | 36,257    | 37,336    | 47,963    | 24,102     | 5,882      | -          | -               | -          |

TABLE 3- 27-a CONT'D

| Geographic Area         | Holdings with<br>no cattle | 1-2 Head | 3-4 Head | 5-9 Head | 10-19 Head | 20-49 Head | 50-99 Head | 100-199<br>Head | >=200 Head |
|-------------------------|----------------------------|----------|----------|----------|------------|------------|------------|-----------------|------------|
| <b>Somale</b>           | 22,033                     | 18,712   | 23,619   | 28,475   | 11,602     | 2,727      | 151        | -               | -          |
| Shinele                 | 2,806                      | 1,245    | 749      | 518      | 220        | 70         | -          | -               | -          |
| Jijiga                  | 10,100                     | 14,206   | 18,724   | 22,698   | 8,455      | 1,116      | 92         | -               | -          |
| Liben                   | 9,125                      | 3,260    | 4,146    | 5,260    | 2,928      | 1,541      | 60         | -               | -          |
| <b>Benshangul-Gumuz</b> | 78,891                     | 18,402   | 13,282   | 17,070   | 8,679      | 1,999      | 48         | -               | -          |
| Metekel                 | 16,130                     | 7,554    | 7,216    | 11,469   | 6,892      | 1,485      | 48         | -               | -          |
| Asosa                   | 48,627                     | 8,138    | 4,522    | 3,672    | 683        | 351        | -          | -               | -          |
| Kemeshi                 | 14,134                     | 2,711    | 1,544    | 1,928    | 1,104      | 164        | -          | -               | -          |
| <b>SNNP</b>             | 475,181                    | 783,898  | 769,765  | 484,334  | 60,430     | 11,034     | 1,881      | 89              | -          |
| Gurage                  | 25,640                     | 64,156   | 92,684   | 68,659   | 2,908      | 246        | -          | -               | -          |
| Hadiya                  | 26,570                     | 66,942   | 71,062   | 39,003   | 1,770      | 1,023      | -          | -               | -          |
| Kembata Tembaro         | 14,681                     | 47,826   | 42,447   | 11,887   | 113        | -          | -          | -               | -          |
| Sidama                  | 96,466                     | 184,858  | 130,527  | 74,767   | 19,852     | 1,512      | -          | -               | -          |
| Gedio                   | 93,181                     | 41,095   | 11,130   | 4,315    | 635        | -          | -          | -               | -          |
| Wolayita                | 33,831                     | 97,423   | 109,910  | 42,529   | 2,383      | -          | -          | -               | -          |
| South Omo               | 26,360                     | 22,043   | 13,171   | 13,814   | 5,330      | 4,801      | 1,191      | 89              | -          |
| Shaka                   | 10,216                     | 10,050   | 6,931    | 4,563    | 1,016      | 166        | -          | -               | -          |
| Kaffa                   | 20,919                     | 38,038   | 52,530   | 47,613   | 5,624      | 859        | -          | -               | -          |
| Gamo Gofa               | 47,358                     | 79,141   | 85,427   | 54,965   | 7,349      | 1,327      | 649        | -               | -          |
| Bench Maji              | 17,579                     | 32,622   | 35,117   | 27,822   | 1,643      | -          | -          | -               | -          |
| Yem Sp. Wereda          | 2,141                      | 3,596    | 4,766    | 4,273    | 284        | -          | -          | -               | -          |
| Amaro Sp. Wereda        | 3,626                      | 5,796    | 6,715    | 7,360    | 1,204      | 106        | -          | -               | -          |
| Burji Sp. Wereda        | 1,994                      | 1,876    | 1,655    | 2,089    | 574        | 128        | -          | -               | -          |
| Konso Sp. Wereda        | 10,874                     | 10,821   | 8,328    | 4,588    | 1,105      | 108        | -          | -               | -          |
| Derashe Sp. Wereda      | 9,089                      | 5,576    | 4,088    | 4,211    | 1,375      | 225        | 40         | -               | -          |
| Dawro                   | 8,401                      | 19,289   | 24,112   | 24,111   | 2,470      | 235        | -          | -               | -          |
| Basketo Sp. Wereda      | 2,667                      | 3,634    | 3,097    | 1,470    | 49         | -          | -          | -               | -          |
| Konta Sp. Wereda        | 2,072                      | 4,921    | 5,446    | 4,492    | 250        | -          | -          | -               | -          |
| Silte                   | 17,607                     | 35,418   | 48,631   | 33,672   | 3,482      | 142        | -          | -               | -          |
| Alaba Sp. Wereda        | 3,908                      | 8,777    | 11,991   | 8,132    | 1,015      | 156        | -          | -               | -          |
| <b>Harari</b>           | 3,236                      | 6,715    | 4,145    | 1,299    | 327        | 24         | -          | -               | -          |
| Hundene                 | 3,236                      | 6,715    | 4,145    | 1,299    | 327        | 24         | -          | -               | -          |
| <b>Addis Ababa</b>      | 2,211                      | 1,188    | 1,293    | 1,610    | 596        | 53         | -          | -               | -          |
| Zone 3                  | 1,413                      | 693      | 896      | 1,091    | 414        | 45         | -          | -               | -          |
| Zone 6                  | 797                        | 495      | 397      | 519      | 182        | 9          | -          | -               | -          |
| <b>Dire Dawa</b>        | 4,185                      | 8,220    | 3,993    | 1,849    | 26         | 26         | -          | -               | -          |

TABLE 3 -27- b: NUMBER OF HOLDINGS BY SIZE OF SHEEP

| Geographic Area   | Holdings with<br>no Sheep | 1-4 Head  | 5-9 Head  | 10-49 Head | 50-99 Head | 100-199<br>Head | 200-499<br>Head | >=500 Head |
|-------------------|---------------------------|-----------|-----------|------------|------------|-----------------|-----------------|------------|
| <b>Ethiopia</b>   | 6,962,573                 | 2,713,199 | 1,078,933 | 474,587    | 2,713      | 789             | -               | -          |
| <b>Tigray</b>     | 557,447                   | 56,394    | 52,444    | 23,271     | -          | -               | -               | -          |
| North West Tigray | 115,486                   | 3,763     | 5,261     | 2,355      | -          | -               | -               | -          |
| Central Tigray    | 172,386                   | 10,397    | 11,543    | 7,011      | -          | -               | -               | -          |
| Eastern Tigray    | 59,126                    | 24,288    | 21,618    | 9,895      | -          | -               | -               | -          |
| Southern Tigray   | 156,411                   | 16,000    | 12,468    | 3,283      | -          | -               | -               | -          |
| Western Tigray    | 54,038                    | 1,947     | 1,553     | 727        | -          | -               | -               | -          |
| <b>Afar</b>       | 16,272                    | 3,811     | 2,459     | 6,135      | 197        | 83              | -               | -          |
| Zone 1            | 6,315                     | 2,061     | 1,470     | 1,654      | 72         | 14              | -               | -          |
| Zone 3            | 9,956                     | 1,750     | 989       | 4,482      | 125        | 69              | -               | -          |
| <b>Amhara</b>     | 1,901,502                 | 614,889   | 399,394   | 223,720    | 1,301      | -               | -               | -          |
| North Gonder      | 336,699                   | 60,657    | 31,468    | 15,636     | 790        | -               | -               | -          |
| South Gonder      | 255,525                   | 80,145    | 53,387    | 17,157     | -          | -               | -               | -          |
| North Wolo        | 204,244                   | 40,861    | 29,538    | 23,143     | -          | -               | -               | -          |
| South Wolo        | 251,881                   | 77,883    | 83,505    | 81,237     | -          | -               | -               | -          |
| North Shewa       | 204,706                   | 69,304    | 49,318    | 47,895     | 511        | -               | -               | -          |
| East Gojam        | 200,849                   | 103,211   | 80,223    | 28,238     | -          | -               | -               | -          |
| West Gojam        | 225,274                   | 120,909   | 40,474    | 4,913      | -          | -               | -               | -          |
| Waghamera         | 66,432                    | 6,459     | 2,937     | 1,696      | -          | -               | -               | -          |
| Awi               | 91,567                    | 48,851    | 26,683    | 3,445      | -          | -               | -               | -          |
| Oromia            | 64,325                    | 6,609     | 1,860     | 361        | -          | -               | -               | -          |
| <b>Oromia</b>     | 2,751,040                 | 1,139,721 | 445,805   | 162,956    | 260        | 394             | -               | -          |
| West Wellega      | 235,110                   | 80,225    | 27,194    | 3,937      | -          | -               | -               | -          |
| East Wellega      | 177,205                   | 67,497    | 27,761    | 5,485      | -          | -               | -               | -          |
| Illubabor         | 105,226                   | 73,711    | 24,297    | 2,094      | -          | -               | -               | -          |
| Jimma             | 234,941                   | 199,191   | 50,871    | 4,311      | -          | -               | -               | -          |
| West Shewa        | 198,422                   | 94,211    | 55,032    | 29,527     | -          | -               | -               | -          |
| North Shewa       | 123,976                   | 48,823    | 44,759    | 39,436     | -          | 171             | -               | -          |
| East Shewa        | 297,125                   | 48,763    | 21,575    | 5,860      | 234        | 223             | -               | -          |
| Arsi              | 259,361                   | 164,344   | 94,235    | 41,888     | -          | -               | -               | -          |
| West Harerghe     | 236,522                   | 62,894    | 6,677     | -          | -          | -               | -               | -          |
| East Harerghe     | 306,794                   | 97,797    | 15,265    | 1,368      | -          | -               | -               | -          |
| Bale              | 213,146                   | 67,274    | 39,594    | 19,669     | -          | -               | -               | -          |
| Borena            | 107,977                   | 34,730    | 7,958     | 4,287      | 26         | -               | -               | -          |
| South West Shewa  | 142,938                   | 39,653    | 10,892    | 2,172      | -          | -               | -               | -          |
| Guji              | 112,297                   | 60,608    | 19,696    | 2,923      | -          | -               | -               | -          |

TABLE 3-27 - b CONT'D

| Geographic Area         | Holdings with<br>no Sheep | 1-4 Head | 5-9 Head | 10-49 Head | 50-99 Head | 100-199<br>Head | 200-499<br>Head | >=500 Head |
|-------------------------|---------------------------|----------|----------|------------|------------|-----------------|-----------------|------------|
| <b>Somale</b>           | 55,706                    | 14,181   | 14,706   | 21,861     | 675        | 190             | -               | -          |
| Shinele                 | 2,501                     | 1,289    | 651      | 1,119      | 48         | -               | -               | -          |
| Jijiga                  | 40,555                    | 8,489    | 10,114   | 15,641     | 419        | 173             | -               | -          |
| Liben                   | 12,648                    | 4,403    | 3,942    | 5,101      | 208        | 18              | -               | -          |
| <b>Benshangul-Gumuz</b> | 118,775                   | 15,101   | 3,866    | 629        | -          | -               | -               | -          |
| Metekel                 | 38,810                    | 9,111    | 2,382    | 491        | -          | -               | -               | -          |
| Asosa                   | 62,083                    | 3,167    | 743      | -          | -          | -               | -               | -          |
| Kemeshi                 | 17,882                    | 2,824    | 742      | 137        | -          | -               | -               | -          |
| <b>SNNP</b>             | 1,535,415                 | 859,432  | 157,102  | 34,286     | 255        | 122             | -               | -          |
| Gurage                  | 155,054                   | 81,479   | 17,361   | 399        | -          | -               | -               | -          |
| Hadiya                  | 111,929                   | 86,418   | 7,618    | 405        | -          | -               | -               | -          |
| Kembata Tembaro         | 65,289                    | 49,176   | 2,489    | -          | -          | -               | -               | -          |
| Sidama                  | 367,986                   | 120,602  | 15,959   | 3,435      | -          | -               | -               | -          |
| Gedio                   | 93,513                    | 48,222   | 8,005    | 616        | -          | -               | -               | -          |
| Wolayita                | 188,984                   | 95,100   | 1,992    | -          | -          | -               | -               | -          |
| South Omo               | 40,365                    | 23,738   | 11,729   | 10,770     | 75         | 122             | -               | -          |
| Shaka                   | 17,690                    | 12,258   | 2,548    | 446        | -          | -               | -               | -          |
| Kaffa                   | 60,006                    | 78,069   | 25,307   | 2,201      | -          | -               | -               | -          |
| Gamo Gofa               | 173,128                   | 67,209   | 23,508   | 12,191     | 180        | -               | -               | -          |
| Bench Maji              | 55,231                    | 50,152   | 8,735    | 665        | -          | -               | -               | -          |
| Yem Sp. Wereda          | 7,178                     | 6,171    | 1,658    | 53         | -          | -               | -               | -          |
| Amaro Sp. Wereda        | 13,946                    | 6,880    | 3,028    | 953        | -          | -               | -               | -          |
| Burji Sp. Wereda        | 7,381                     | 702      | 200      | 33         | -          | -               | -               | -          |
| Konso Sp. Wereda        | 12,442                    | 17,640   | 5,232    | 510        | -          | -               | -               | -          |
| Derashe Sp. Wereda      | 20,530                    | 3,343    | 619      | 112        | -          | -               | -               | -          |
| Dawro                   | 42,544                    | 31,334   | 4,740    | -          | -          | -               | -               | -          |
| Basketo Sp. Wereda      | 5,931                     | 4,501    | 485      | -          | -          | -               | -               | -          |
| Konta Sp. Wereda        | 10,361                    | 6,079    | 688      | 53         | -          | -               | -               | -          |
| Silte                   | 65,011                    | 58,718   | 13,880   | 1,343      | -          | -               | -               | -          |
| Alaba Sp. Wereda        | 20,915                    | 11,642   | 1,320    | 102        | -          | -               | -               | -          |
| <b>Harari</b>           | 13,439                    | 2,199    | 108      | -          | -          | -               | -               | -          |
| Hundene                 | 13,439                    | 2,199    | 108      | -          | -          | -               | -               | -          |
| <b>Addis Ababa</b>      | 5,109                     | 915      | 589      | 338        | -          | -               | -               | -          |
| Zone 3                  | 3,369                     | 522      | 403      | 258        | -          | -               | -               | -          |
| Zone 6                  | 1,740                     | 393      | 186      | 80         | -          | -               | -               | -          |
| <b>Dire Dawa</b>        | 7,866                     | 6,556    | 2,460    | 1,391      | 26         | -               | -               | -          |



TABLE 3 -27- c: NUMBER OF HOLDINGS BY SIZE OF GOATS

| Geographic Area   | Holdings with<br>no Goats | 1-4 Head  | 5-9 Head | 10-49 Head | 50-99 Head | 100-199<br>Head | 200-499<br>Head | >=500 Head |
|-------------------|---------------------------|-----------|----------|------------|------------|-----------------|-----------------|------------|
| <b>Ethiopia</b>   | 8,098,483                 | 1,916,792 | 834,776  | 374,296    | 7,413      | 1,034           | -               | -          |
| <b>Tigray</b>     | 415,361                   | 82,698    | 103,247  | 86,865     | 1,038      | 347             | -               | -          |
| North West Tigray | 54,630                    | 16,478    | 24,619   | 30,308     | 661        | 169             | -               | -          |
| Central Tigray    | 98,017                    | 29,515    | 42,372   | 31,074     | 181        | 178             | -               | -          |
| Eastern Tigray    | 91,419                    | 8,155     | 9,402    | 5,951      | -          | -               | -               | -          |
| Southern Tigray   | 141,238                   | 19,623    | 17,398   | 9,903      | -          | -               | -               | -          |
| Western Tigray    | 30,058                    | 8,927     | 9,455    | 9,629      | 196        | -               | -               | -          |
| <b>Afar</b>       | 8,068                     | 3,590     | 3,170    | 12,831     | 1,210      | 88              | -               | -          |
| Zone 1            | 3,423                     | 1,850     | 1,703    | 4,423      | 169        | 18              | -               | -          |
| Zone 3            | 4,646                     | 1,740     | 1,467    | 8,408      | 1,040      | 70              | -               | -          |
| <b>Amhara</b>     | 2,189,118                 | 546,287   | 290,753  | 114,048    | 600        | -               | -               | -          |
| North Gonder      | 270,658                   | 83,182    | 57,253   | 33,823     | 334        | -               | -               | -          |
| South Gonder      | 284,921                   | 79,003    | 33,441   | 8,849      | -          | -               | -               | -          |
| North Wolo        | 176,294                   | 65,031    | 42,829   | 13,632     | -          | -               | -               | -          |
| South Wolo        | 326,309                   | 105,266   | 44,138   | 18,793     | -          | -               | -               | -          |
| North Shewa       | 230,047                   | 83,159    | 44,838   | 13,690     | -          | -               | -               | -          |
| East Gojam        | 355,405                   | 36,088    | 17,895   | 3,133      | -          | -               | -               | -          |
| West Gojam        | 322,654                   | 48,445    | 17,281   | 3,190      | -          | -               | -               | -          |
| Waghamera         | 34,673                    | 15,682    | 14,310   | 12,653     | 206        | -               | -               | -          |
| Awi               | 142,910                   | 15,564    | 9,082    | 2,990      | -          | -               | -               | -          |
| Oromia            | 45,248                    | 14,867    | 9,685    | 3,296      | 59         | -               | -               | -          |
| <b>Oromia</b>     | 3,260,018                 | 822,376   | 320,313  | 96,674     | 795        | -               | -               | -          |
| West Wellega      | 315,686                   | 23,381    | 5,928    | 1,471      | -          | -               | -               | -          |
| East Wellega      | 236,688                   | 27,027    | 10,815   | 3,418      | -          | -               | -               | -          |
| Illubabor         | 175,112                   | 22,386    | 7,442    | 388        | -          | -               | -               | -          |
| Jimma             | 406,469                   | 67,416    | 13,488   | 1,941      | -          | -               | -               | -          |
| West Shewa        | 328,739                   | 28,579    | 14,835   | 5,039      | -          | -               | -               | -          |
| North Shewa       | 214,966                   | 27,061    | 12,844   | 2,294      | -          | -               | -               | -          |
| East Shewa        | 265,340                   | 61,580    | 32,621   | 14,005     | 234        | -               | -               | -          |
| Arsi              | 450,360                   | 73,696    | 28,997   | 6,775      | -          | -               | -               | -          |
| West Harerghe     | 121,621                   | 124,389   | 50,763   | 9,320      | -          | -               | -               | -          |
| East Harerghe     | 161,877                   | 199,733   | 53,372   | 6,242      | -          | -               | -               | -          |
| Bale              | 216,770                   | 67,611    | 40,081   | 15,221     | -          | -               | -               | -          |
| Borena            | 71,178                    | 38,995    | 24,006   | 20,238     | 561        | -               | -               | -          |
| South West Shewa  | 152,103                   | 28,409    | 12,444   | 2,699      | -          | -               | -               | -          |
| Guji              | 143,109                   | 32,114    | 12,678   | 7,623      | -          | -               | -               | -          |

TABLE 3- 27- c CONT'D

| Geographic Area         | Holdings with<br>no Goats | 1-4 Head | 5-9 Head | 10-49 Head | 50-99 Head | 100-199<br>Head | 200-499<br>Head | >=500 Head |
|-------------------------|---------------------------|----------|----------|------------|------------|-----------------|-----------------|------------|
| <b>Somale</b>           | 43,313                    | 20,256   | 17,688   | 24,631     | 1,299      | 132             | -               | -          |
| Shinele                 | 1,446                     | 1,149    | 821      | 1,847      | 290        | 55              | -               | -          |
| Jijiga                  | 33,397                    | 15,064   | 11,694   | 15,028     | 208        | -               | -               | -          |
| Liben                   | 8,468                     | 4,043    | 5,173    | 7,756      | 802        | 78              | -               | -          |
| <b>Benshangul-Gumuz</b> | 81,802                    | 30,113   | 18,712   | 7,653      | 91         | -               | -               | -          |
| Metekel                 | 32,720                    | 9,029    | 6,213    | 2,741      | 91         | -               | -               | -          |
| Asosa                   | 36,335                    | 16,315   | 9,605    | 3,738      | -          | -               | -               | -          |
| Kemeshi                 | 12,747                    | 4,769    | 2,895    | 1,174      | -          | -               | -               | -          |
| <b>SNNP</b>             | 2,085,511                 | 397,310  | 74,048   | 27,036     | 2,240      | 467             | -               | -          |
| Gurage                  | 211,161                   | 37,524   | 4,916    | 692        | -          | -               | -               | -          |
| Hadiya                  | 166,087                   | 35,047   | 4,841    | 395        | -          | -               | -               | -          |
| Kembata Tembaro         | 96,820                    | 19,107   | 1,027    | -          | -          | -               | -               | -          |
| Sidama                  | 441,139                   | 57,602   | 7,037    | 2,204      | -          | -               | -               | -          |
| Gedio                   | 146,994                   | 2,838    | 524      | -          | -          | -               | -               | -          |
| Wolayita                | 238,944                   | 41,099   | 5,391    | 642        | -          | -               | -               | -          |
| South Omo               | 58,355                    | 8,784    | 5,288    | 12,034     | 1,926      | 412             | -               | -          |
| Shaka                   | 29,534                    | 2,983    | 425      | -          | -          | -               | -               | -          |
| Kaffa                   | 125,689                   | 34,888   | 4,906    | 100        | -          | -               | -               | -          |
| Gamo Gofa               | 215,895                   | 46,336   | 11,679   | 2,126      | 180        | -               | -               | -          |
| Bench Maji              | 99,179                    | 13,697   | 1,494    | 413        | -          | -               | -               | -          |
| Yem Sp. Wereda          | 9,199                     | 4,503    | 1,313    | 45         | -          | -               | -               | -          |
| Amaro Sp. Wereda        | 15,467                    | 5,468    | 3,270    | 602        | -          | -               | -               | -          |
| Burji Sp. Wereda        | 4,075                     | 2,113    | 1,440    | 688        | -          | -               | -               | -          |
| Konso Sp. Wereda        | 13,085                    | 13,183   | 5,886    | 3,561      | 54         | 55              | -               | -          |
| Derashe Sp. Wereda      | 12,137                    | 7,203    | 3,638    | 1,546      | 80         | -               | -               | -          |
| Dawro                   | 61,321                    | 15,310   | 1,904    | 83         | -          | -               | -               | -          |
| Basketo Sp. Wereda      | 9,451                     | 1,204    | 242      | 20         | -          | -               | -               | -          |
| Konta Sp. Wereda        | 13,624                    | 3,284    | 273      | -          | -          | -               | -               | -          |
| Silte                   | 98,182                    | 33,424   | 6,044    | 1,302      | -          | -               | -               | -          |
| Alaba Sp. Wereda        | 19,171                    | 11,713   | 2,510    | 585        | -          | -               | -               | -          |
| <b>Harari</b>           | 6,224                     | 7,502    | 1,745    | 275        | -          | -               | -               | -          |
| Hundene                 | 6,224                     | 7,502    | 1,745    | 275        | -          | -               | -               | -          |
| <b>Addis Ababa</b>      | 6,162                     | 426      | 253      | 110        | -          | -               | -               | -          |
| Zone 3                  | 4,029                     | 264      | 173      | 86         | -          | -               | -               | -          |
| Zone 6                  | 2,134                     | 161      | 80       | 24         | -          | -               | -               | -          |
| <b>Dire Dawa</b>        | 2,907                     | 6,234    | 4,847    | 4,171      | 140        | -               | -               | -          |

TABLE 3 -27- d: NUMBER OF HOLDINGS BY SIZES OF HORSES AND DONKEYS

| Geographic Area   | Horses                  |          |          |          |           | Donkeys                  |           |          |          |           |
|-------------------|-------------------------|----------|----------|----------|-----------|--------------------------|-----------|----------|----------|-----------|
|                   | Holdings with no Horses | 1-2 Head | 3-4 Head | 5-9 Head | >=10 Head | Holdings with no Donkeys | 1-2 Head  | 3-4 Head | 5-9 Head | >=10 Head |
| <b>Ethiopia</b>   | 10,234,593              | 877,714  | 105,474  | 14,721   | 292       | 8,189,137                | 2,845,397 | 180,900  | 17,291   | 69        |
| <b>Tigray</b>     | 688,216                 | 1,340    | -        | -        | -         | 411,079                  | 259,885   | 17,547   | 1,045    | -         |
| North West Tigray | 126,785                 | 80       | -        | -        | -         | 78,987                   | 43,963    | 3,491    | 424      | -         |
| Central Tigray    | 201,337                 | -        | -        | -        | -         | 129,515                  | 66,912    | 4,713    | 197      | -         |
| Eastern Tigray    | 114,748                 | 179      | -        | -        | -         | 64,581                   | 47,338    | 2,887    | 121      | -         |
| Southern Tigray   | 187,454                 | 708      | -        | -        | -         | 106,709                  | 76,204    | 4,947    | 302      | -         |
| Western Tigray    | 57,892                  | 373      | -        | -        | -         | 31,288                   | 25,468    | 1,509    | -        | -         |
| <b>Afar</b>       | 28,957                  | -        | -        | -        | -         | 22,758                   | 4,569     | 1,413    | 174      | 43        |
| Zone 1            | 11,586                  | -        | -        | -        | -         | 10,562                   | 652       | 342      | 13       | 17        |
| Zone 3            | 17,371                  | -        | -        | -        | -         | 12,198                   | 3,916     | 1,071    | 161      | 25        |
| <b>Amhara</b>     | 2,933,282               | 193,482  | 13,861   | 181      | -         | 2,046,238                | 1,039,345 | 53,586   | 1,637    | -         |
| North Gondar      | 418,034                 | 25,554   | 1,662    | -        | -         | 293,470                  | 144,585   | 7,195    | -        | -         |
| South Gondar      | 386,894                 | 19,320   | -        | -        | -         | 284,577                  | 115,308   | 6,027    | 302      | -         |
| North Wolo        | 286,290                 | 10,825   | 671      | -        | -         | 191,249                  | 102,679   | 3,858    | -        | -         |
| South Wolo        | 463,695                 | 29,191   | 1,620    | -        | -         | 300,191                  | 184,226   | 9,436    | 653      | -         |
| North Shewa       | 340,635                 | 29,179   | 1,920    | -        | -         | 175,550                  | 185,004   | 11,180   | -        | -         |
| East Gojam        | 369,502                 | 38,794   | 4,225    | -        | -         | 283,050                  | 123,368   | 5,836    | 267      | -         |
| West Gojam        | 380,805                 | 10,231   | 534      | -        | -         | 278,975                  | 108,905   | 3,690    | -        | -         |
| Waghamera         | 77,335                  | 189      | -        | -        | -         | 48,085                   | 26,314    | 2,850    | 275      | -         |
| Awi               | 137,027                 | 30,110   | 3,228    | 181      | -         | 137,520                  | 30,642    | 2,244    | 140      | -         |
| Oromia            | 73,066                  | 89       | -        | -        | -         | 53,574                   | 18,313    | 1,268    | -        | -         |
| <b>Oromia</b>     | 3,939,004               | 468,293  | 79,285   | 13,378   | 216       | 3,182,367                | 1,211,348 | 93,400   | 13,061   | -         |
| West Wellega      | 341,426                 | 5,040    | -        | -        | -         | 263,595                  | 79,521    | 3,350    | -        | -         |
| East Wellega      | 254,823                 | 16,872   | 4,273    | 1,980    | -         | 204,188                  | 68,526    | 4,623    | 611      | -         |
| Illubabor         | 184,194                 | 19,370   | 1,332    | 216      | 216       | 194,831                  | 10,094    | 403      | -        | -         |
| Jimma             | 430,087                 | 53,557   | 5,375    | 295      | -         | 441,213                  | 47,793    | 308      | -        | -         |
| West Shewa        | 278,954                 | 80,507   | 14,962   | 2,769    | -         | 296,419                  | 71,772    | 8,035    | 966      | -         |
| North Shewa       | 198,728                 | 51,015   | 7,251    | 171      | -         | 146,756                  | 101,274   | 7,710    | 1,425    | -         |
| East Shewa        | 364,792                 | 8,533    | 455      | -        | -         | 201,661                  | 144,066   | 23,499   | 4,554    | -         |
| Arsi              | 425,387                 | 112,817  | 19,749   | 1,875    | -         | 351,372                  | 189,757   | 17,243   | 1,456    | -         |
| West Harerghe     | 304,340                 | 1,753    | -        | -        | -         | 185,556                  | 117,866   | 2,671    | -        | -         |
| East Harerghe     | 420,944                 | 280      | -        | -        | -         | 283,725                  | 134,917   | 2,582    | -        | -         |
| Bale              | 265,870                 | 53,367   | 16,628   | 3,818    | -         | 214,054                  | 112,621   | 11,040   | 1,968    | -         |
| Borena            | 153,164                 | 1,814    | -        | -        | -         | 115,263                  | 33,977    | 4,501    | 1,237    | -         |
| South West Shewa  | 178,449                 | 16,805   | 401      | -        | -         | 116,369                  | 72,886    | 5,555    | 845      | -         |
| Guji              | 137,850                 | 46,563   | 8,858    | 2,253    | -         | 167,366                  | 26,278    | 1,880    | -        | -         |

TABLE 3-27 – d CONT'D

| Geographic Area         | Horses                  |          |          |          |           | Donkeys                  |          |          |          |           |
|-------------------------|-------------------------|----------|----------|----------|-----------|--------------------------|----------|----------|----------|-----------|
|                         | Holdings with no Horses | 1-2 Head | 3-4 Head | 5-9 Head | >=10 Head | Holdings with no Donkeys | 1-2 Head | 3-4 Head | 5-9 Head | >=10 Head |
| <b>Somale</b>           | 107,249                 | 70       | -        | -        | -         | 49,873                   | 51,443   | 5,571    | 414      | 18        |
| Shinele                 | 5,608                   | -        | -        | -        | -         | 3,850                    | 1,471    | 274      | 13       | -         |
| Jijiga                  | 75,321                  | 70       | -        | -        | -         | 35,091                   | 35,877   | 4,110    | 313      | -         |
| Liben                   | 26,320                  | -        | -        | -        | -         | 10,933                   | 14,095   | 1,186    | 88       | 18        |
| <b>Benshangul-Gumuz</b> | 137,786                 | 511      | 74       | -        | -         | 108,757                  | 27,208   | 2,226    | 180      | -         |
| Metekel                 | 50,209                  | 511      | 74       | -        | -         | 36,745                   | 13,118   | 866      | 65       | -         |
| Asosa                   | 65,993                  | -        | -        | -        | -         | 54,248                   | 10,509   | 1,142    | 94       | -         |
| Kemeshi                 | 21,585                  | -        | -        | -        | -         | 17,765                   | 3,581    | 217      | 22       | -         |
| <b>SNNP</b>             | 2,359,500               | 213,629  | 12,244   | 1,163    | 76        | 2,344,541                | 234,948  | 6,411    | 712      | -         |
| Gurage                  | 210,469                 | 43,197   | 627      | -        | -         | 220,019                  | 33,344   | 930      | -        | -         |
| Hadiya                  | 190,623                 | 15,548   | 199      | -        | -         | 170,524                  | 35,043   | 598      | 205      | -         |
| Kembata Tembaro         | 109,940                 | 6,906    | 108      | -        | -         | 97,552                   | 19,062   | 340      | -        | -         |
| Sidama                  | 466,978                 | 35,234   | 5,030    | 740      | -         | 474,022                  | 33,247   | 713      | -        | -         |
| Gedio                   | 133,008                 | 16,694   | 513      | 141      | -         | 148,299                  | 2,057    | -        | -        | -         |
| Wolayita                | 285,853                 | 223      | -        | -        | -         | 256,431                  | 29,232   | 413      | -        | -         |
| South Omo               | 79,259                  | 7,258    | 282      | -        | -         | 84,467                   | 1,452    | 373      | 507      | -         |
| Shaka                   | 30,675                  | 1,912    | 124      | 155      | 76        | 31,827                   | 1,115    | -        | -        | -         |
| Kaffa                   | 128,835                 | 33,173   | 3,575    | -        | -         | 164,744                  | 839      | -        | -        | -         |
| Gamo Gofa               | 253,302                 | 21,778   | 1,136    | -        | -         | 268,219                  | 7,457    | 540      | -        | -         |
| Bench Maji              | 105,129                 | 9,191    | 335      | 128      | -         | 114,673                  | 110      | -        | -        | -         |
| Yem Sp. Wereda          | 14,694                  | 366      | -        | -        | -         | 12,845                   | 2,169    | 46       | -        | -         |
| Amaro Sp. Wereda        | 22,547                  | 2,120    | 140      | -        | -         | 23,914                   | 854      | 39       | -        | -         |
| Burji Sp. Wereda        | 8,316                   | -        | -        | -        | -         | 5,764                    | 2,310    | 242      | -        | -         |
| Konso Sp. Wereda        | 35,824                  | -        | -        | -        | -         | 33,337                   | 2,223    | 264      | -        | -         |
| Derashe Sp. Wereda      | 24,516                  | 44       | 44       | -        | -         | 17,324                   | 7,163    | 117      | -        | -         |
| Dawro                   | 73,802                  | 4,739    | 77       | -        | -         | 76,002                   | 2,512    | 104      | -        | -         |
| Basketo Sp. Wereda      | 10,642                  | 275      | -        | -        | -         | 10,807                   | 110      | -        | -        | -         |
| Konta Sp. Wereda        | 16,316                  | 865      | -        | -        | -         | 17,153                   | 28       | -        | -        | -         |
| Silte                   | 126,386                 | 12,566   | -        | -        | -         | 96,069                   | 41,494   | 1,389    | -        | -         |
| Alaba Sp. Wereda        | 32,386                  | 1,541    | 52       | -        | -         | 20,546                   | 13,128   | 305      | -        | -         |
| <b>Harari</b>           | 15,746                  | -        | -        | -        | -         | 10,199                   | 5,319    | 205      | 23       | -         |
| Hundene                 | 15,746                  | -        | -        | -        | -         | 10,199                   | 5,319    | 205      | 23       | -         |
| <b>Addis Ababa</b>      | 6,553                   | 389      | 9        | -        | -         | 2,999                    | 3,544    | 355      | 44       | 9         |
| Zone 3                  | 4,294                   | 258      | -        | -        | -         | 1,892                    | 2,468    | 192      | -        | -         |
| Zone 6                  | 2,260                   | 130      | 9        | -        | -         | 1,107                    | 1,076    | 163      | 44       | 9         |
| <b>Dire Dawa</b>        | 18,299                  | -        | -        | -        | -         | 10,324                   | 7,790    | 185      | -        | -         |

TABLE 3 -27- e: NUMBER OF HOLDINGS BY SIZES OF MULES AND CAMELS

| Geographic Area   | Mules                  |          |          |          |           | Camels                  |          |          |          |           |
|-------------------|------------------------|----------|----------|----------|-----------|-------------------------|----------|----------|----------|-----------|
|                   | Holdings with no Mules | 1-2 Head | 3-4 Head | 5-9 Head | >=10 Head | Holdings with no Camels | 1-2 Head | 3-4 Head | 5-9 Head | >=10 Head |
| <b>Ethiopia</b>   | 10,918,004             | 311,853  | 2,540    | 397      | -         | 11,120,752              | 71,388   | 18,328   | 13,781   | 8,545     |
| <b>Tigray</b>     | 682,204                | 7,352    | -        | -        | -         | 671,207                 | 14,552   | 3,135    | 662      | -         |
| North West Tigray | 126,213                | 652      | -        | -        | -         | 122,033                 | 4,697    | 135      | -        | -         |
| Central Tigray    | 199,443                | 1,894    | -        | -        | -         | 195,270                 | 6,067    | -        | -        | -         |
| Eastern Tigray    | 113,883                | 1,044    | -        | -        | -         | 114,255                 | 264      | 408      | -        | -         |
| Southern Tigray   | 185,401                | 2,761    | -        | -        | -         | 182,678                 | 2,304    | 2,592    | 588      | -         |
| Western Tigray    | 57,264                 | 1,001    | -        | -        | -         | 56,970                  | 1,221    | -        | 74       | -         |
| <b>Afar</b>       | 28,807                 | 150      | -        | -        | -         | 17,957                  | 4,594    | 1,098    | 1,760    | 3,548     |
| Zone 1            | 11,586                 | -        | -        | -        | -         | 6,613                   | 3,606    | 293      | 471      | 603       |
| Zone 3            | 17,221                 | 150      | -        | -        | -         | 11,344                  | 988      | 805      | 1,290    | 2,944     |
| <b>Amhara</b>     | 3,044,887              | 95,647   | 272      | -        | -         | 3,132,623               | 6,978    | 832      | 373      | -         |
| North Gondar      | 433,188                | 12,062   | -        | -        | -         | 444,659                 | 591      | -        | -        | -         |
| South Gondar      | 391,244                | 14,970   | -        | -        | -         | 406,214                 | -        | -        | -        | -         |
| North Wolo        | 284,618                | 13,168   | -        | -        | -         | 294,980                 | 2,373    | 219      | 214      | -         |
| South Wolo        | 474,970                | 19,536   | -        | -        | -         | 493,942                 | 564      | -        | -        | -         |
| North Shewa       | 360,883                | 10,851   | -        | -        | -         | 370,775                 | 612      | 347      | -        | -         |
| East Gojam        | 403,585                | 8,936    | -        | -        | -         | 412,521                 | -        | -        | -        | -         |
| West Gojam        | 381,456                | 9,842    | 272      | -        | -         | 391,344                 | 226      | -        | -        | -         |
| Waghamera         | 75,752                 | 1,772    | -        | -        | -         | 77,524                  | -        | -        | -        | -         |
| Awi               | 166,433                | 4,113    | -        | -        | -         | 170,546                 | -        | -        | -        | -         |
| Oromia            | 72,758                 | 397      | -        | -        | -         | 70,119                  | 2,611    | 266      | 159      | -         |
| <b>Oromia</b>     | 4,348,835              | 148,932  | 2,012    | 397      | -         | 4,459,576               | 24,617   | 8,259    | 6,530    | 1,194     |
| West Wellega      | 337,252                | 9,214    | -        | -        | -         | 346,466                 | -        | -        | -        | -         |
| East Wellega      | 267,857                | 10,091   | -        | -        | -         | 277,948                 | -        | -        | -        | -         |
| Illubabor         | 195,881                | 9,447    | -        | -        | -         | 205,328                 | -        | -        | -        | -         |
| Jimma             | 462,904                | 26,094   | 316      | -        | -         | 489,314                 | -        | -        | -        | -         |
| West Shewa        | 368,145                | 9,047    | -        | -        | -         | 377,192                 | -        | -        | -        | -         |
| North Shewa       | 252,537                | 4,628    | -        | -        | -         | 257,165                 | -        | -        | -        | -         |
| East Shewa        | 365,264                | 8,516    | -        | -        | -         | 368,784                 | 1,822    | 890      | 1,839    | 445       |
| Arsi              | 532,637                | 26,059   | 735      | 397      | -         | 557,689                 | 1,789    | 350      | -        | -         |
| West Harerghe     | 303,584                | 2,509    | -        | -        | -         | 301,776                 | 1,595    | 1,723    | 726      | 273       |
| East Harerghe     | 420,944                | 280      | -        | -        | -         | 417,994                 | 3,230    | -        | -        | -         |
| Bale              | 322,120                | 17,325   | 238      | -        | -         | 328,524                 | 8,986    | 1,675    | 498      | -         |
| Borena            | 150,397                | 4,581    | -        | -        | -         | 143,801                 | 5,973    | 2,131    | 2,761    | 312       |
| South West Shewa  | 183,483                | 11,886   | 286      | -        | -         | 195,655                 | -        | -        | -        | -         |
| Guji              | 185,832                | 9,255    | 437      | -        | -         | 191,943                 | 1,222    | 1,490    | 706      | 163       |

TABLE 3-27 – e CONT'D

| Geographic Area         | Mules                  |          |          |          |           | Camels                  |          |          |          |           |
|-------------------------|------------------------|----------|----------|----------|-----------|-------------------------|----------|----------|----------|-----------|
|                         | Holdings with no Mules | 1-2 Head | 3-4 Head | 5-9 Head | >=10 Head | Holdings with no Camels | 1-2 Head | 3-4 Head | 5-9 Head | >=10 Head |
| <b>Somale</b>           | 107,319                | -        | -        | -        | -         | 77,408                  | 18,021   | 4,055    | 4,203    | 3,632     |
| Shinele                 | 5,608                  | -        | -        | -        | -         | 4,206                   | 918      | 240      | 168      | 76        |
| Jijiga                  | 75,391                 | -        | -        | -        | -         | 53,814                  | 15,692   | 2,688    | 2,287    | 910       |
| Liben                   | 26,320                 | -        | -        | -        | -         | 19,388                  | 1,411    | 1,127    | 1,748    | 2,646     |
| <b>Benshangul-Gumuz</b> | 136,898                | 1,473    | -        | -        | -         | 138,371                 | -        | -        | -        | -         |
| Metekel                 | 49,746                 | 1,048    | -        | -        | -         | 50,794                  | -        | -        | -        | -         |
| Asosa                   | 65,779                 | 214      | -        | -        | -         | 65,993                  | -        | -        | -        | -         |
| Kemeshi                 | 21,375                 | 210      | -        | -        | -         | 21,585                  | -        | -        | -        | -         |
| <b>SNNP</b>             | 2,528,407              | 57,959   | 246      | -        | -         | 2,586,040               | 150      | 394      | -        | 28        |
| Gurage                  | 252,185                | 2,108    | -        | -        | -         | 254,293                 | -        | -        | -        | -         |
| Hadiya                  | 196,608                | 9,762    | -        | -        | -         | 206,370                 | -        | -        | -        | -         |
| Kembata Tembaro         | 115,150                | 1,804    | -        | -        | -         | 116,954                 | -        | -        | -        | -         |
| Sidama                  | 504,616                | 3,366    | -        | -        | -         | 507,588                 | -        | 394      | -        | -         |
| Gedio                   | 145,902                | 4,454    | -        | -        | -         | 150,356                 | -        | -        | -        | -         |
| Wolayita                | 284,699                | 1,377    | -        | -        | -         | 286,076                 | -        | -        | -        | -         |
| South Omo               | 84,452                 | 2,264    | 83       | -        | -         | 86,799                  | -        | -        | -        | -         |
| Shaka                   | 32,694                 | 248      | -        | -        | -         | 32,942                  | -        | -        | -        | -         |
| Kaffa                   | 153,474                | 12,109   | -        | -        | -         | 165,583                 | -        | -        | -        | -         |
| Gamo Gofa               | 270,214                | 6,002    | -        | -        | -         | 276,216                 | -        | -        | -        | -         |
| Bench Maji              | 112,962                | 1,658    | 163      | -        | -         | 114,783                 | -        | -        | -        | -         |
| Yem Sp. Wereda          | 14,947                 | 113      | -        | -        | -         | 15,060                  | -        | -        | -        | -         |
| Amaro Sp. Wereda        | 23,594                 | 1,213    | -        | -        | -         | 24,807                  | -        | -        | -        | -         |
| Burji Sp. Wereda        | 8,303                  | 13       | -        | -        | -         | 8,316                   | -        | -        | -        | -         |
| Konso Sp. Wereda        | 35,824                 | -        | -        | -        | -         | 35,824                  | -        | -        | -        | -         |
| Derashe Sp. Wereda      | 24,330                 | 274      | -        | -        | -         | 24,604                  | -        | -        | -        | -         |
| Dawro                   | 74,515                 | 4,103    | -        | -        | -         | 78,618                  | -        | -        | -        | -         |
| Basketo Sp. Wereda      | 10,388                 | 529      | -        | -        | -         | 10,917                  | -        | -        | -        | -         |
| Konta Sp. Wereda        | 16,568                 | 613      | -        | -        | -         | 17,153                  | -        | -        | -        | 28        |
| Silte                   | 133,516                | 5,436    | -        | -        | -         | 138,802                 | 150      | -        | -        | -         |
| Alaba Sp. Wereda        | 33,466                 | 513      | -        | -        | -         | 33,979                  | -        | -        | -        | -         |
| <b>Harari</b>           | 15,726                 | 20       | -        | -        | -         | 15,391                  | 120      | 68       | 94       | 73        |
| Hundene                 | 15,726                 | 20       | -        | -        | -         | 15,391                  | 120      | 68       | 94       | 73        |
| <b>Addis Ababa</b>      | 6,622                  | 320      | 9        | -        | -         | 6,951                   | -        | -        | -        | -         |
| Zone 3                  | 4,403                  | 149      | -        | -        | -         | 4,552                   | -        | -        | -        | -         |
| Zone 6                  | 2,219                  | 171      | 9        | -        | -         | 2,399                   | -        | -        | -        | -         |
| <b>Dire Dawa</b>        | 18,299                 | -        | -        | -        | -         | 15,229                  | 2,355    | 487      | 158      | 70        |

TABLE 3 -27- f: NUMBER OF HOLDINGS BY SIZE OF POULTRY

| Geographic Area   | Holdings with<br>no poultry | 1-9 Head  | 10-49 Head | 50-99 Head | 100-199<br>Head | >=200 Head |
|-------------------|-----------------------------|-----------|------------|------------|-----------------|------------|
| <b>Ethiopia</b>   | 5,101,911                   | 5,186,485 | 943,886    | 512        | -               | -          |
| <b>Tigray</b>     | 193,310                     | 387,122   | 108,941    | 183        | -               | -          |
| North West Tigray | 31,928                      | 63,988    | 30,949     | -          | -               | -          |
| Central Tigray    | 47,902                      | 120,111   | 33,324     | -          | -               | -          |
| Eastern Tigray    | 30,142                      | 73,123    | 11,662     | -          | -               | -          |
| Southern Tigray   | 68,900                      | 102,311   | 16,951     | -          | -               | -          |
| Western Tigray    | 14,439                      | 27,588    | 16,055     | 183        | -               | -          |
| <b>Afar</b>       | 22,219                      | 5,017     | 1,674      | 47         | -               | -          |
| Zone 1            | 11,284                      | 302       | -          | -          | -               | -          |
| Zone 3            | 10,935                      | 4,715     | 1,674      | 47         | -               | -          |
| <b>Amhara</b>     | 1,112,442                   | 1,770,331 | 258,033    | -          | -               | -          |
| North Gonder      | 109,864                     | 257,399   | 77,987     | -          | -               | -          |
| South Gonder      | 145,802                     | 234,369   | 26,043     | -          | -               | -          |
| North Wolo        | 68,088                      | 207,638   | 22,060     | -          | -               | -          |
| South Wolo        | 136,075                     | 329,423   | 29,008     | -          | -               | -          |
| North Shewa       | 104,490                     | 241,878   | 25,366     | -          | -               | -          |
| East Gojam        | 249,534                     | 150,388   | 12,599     | -          | -               | -          |
| West Gojam        | 168,237                     | 186,534   | 36,799     | -          | -               | -          |
| Waghamera         | 29,295                      | 40,140    | 8,089      | -          | -               | -          |
| Awi               | 72,969                      | 84,440    | 13,137     | -          | -               | -          |
| Oromia            | 28,090                      | 38,121    | 6,944      | -          | -               | -          |
| <b>Oromia</b>     | 2,268,546                   | 1,871,721 | 359,714    | 195        | -               | -          |
| West Wellega      | 137,210                     | 158,591   | 50,665     | -          | -               | -          |
| East Wellega      | 133,219                     | 115,177   | 29,552     | -          | -               | -          |
| Illubabor         | 76,686                      | 106,211   | 22,236     | 195        | -               | -          |
| Jimma             | 227,563                     | 215,698   | 46,053     | -          | -               | -          |
| West Shewa        | 189,874                     | 164,282   | 23,036     | -          | -               | -          |
| North Shewa       | 124,083                     | 123,544   | 9,538      | -          | -               | -          |
| East Shewa        | 206,117                     | 129,036   | 38,627     | -          | -               | -          |
| Arsi              | 297,185                     | 226,160   | 36,483     | -          | -               | -          |
| West Harerghe     | 146,168                     | 130,468   | 29,457     | -          | -               | -          |
| East Harerghe     | 213,148                     | 187,737   | 20,339     | -          | -               | -          |
| Bale              | 228,112                     | 97,731    | 13,840     | -          | -               | -          |
| Borena            | 90,857                      | 52,622    | 11,499     | -          | -               | -          |
| South West Shewa  | 85,240                      | 94,101    | 16,314     | -          | -               | -          |
| Guji              | 113,084                     | 70,364    | 12,076     | -          | -               | -          |

TABLE 3-27 – f CONT'D

| Geographic Area         | Holdings with<br>no poultry | 1-9 Head  | 10-49 Head | 50-99 Head | 100-199<br>Head | >=200 Head |
|-------------------------|-----------------------------|-----------|------------|------------|-----------------|------------|
| <b>Somale</b>           | 90,363                      | 14,371    | 2,585      | -          | -               | -          |
| Shinele                 | 4,649                       | 900       | 59         | -          | -               | -          |
| Jijiga                  | 65,938                      | 7,642     | 1,811      | -          | -               | -          |
| Liben                   | 19,776                      | 5,829     | 715        | -          | -               | -          |
| <b>Benshangul-Gumuz</b> | 50,924                      | 62,207    | 25,240     | -          | -               | -          |
| Metekel                 | 14,689                      | 26,392    | 9,713      | -          | -               | -          |
| Asosa                   | 27,270                      | 26,650    | 12,073     | -          | -               | -          |
| Kemeshi                 | 8,966                       | 9,165     | 3,454      | -          | -               | -          |
| <b>SNNP</b>             | 1,345,188                   | 1,055,862 | 185,475    | 87         | -               | -          |
| Gurage                  | 117,683                     | 126,804   | 9,806      | -          | -               | -          |
| Hadiya                  | 90,063                      | 94,053    | 22,254     | -          | -               | -          |
| Kembata Tembaro         | 53,301                      | 57,977    | 5,676      | -          | -               | -          |
| Sidama                  | 310,486                     | 175,579   | 21,917     | -          | -               | -          |
| Gedio                   | 104,445                     | 44,297    | 1,614      | -          | -               | -          |
| Wolayita                | 161,782                     | 104,375   | 19,919     | -          | -               | -          |
| South Omo               | 40,224                      | 34,435    | 12,053     | 87         | -               | -          |
| Shaka                   | 12,059                      | 17,470    | 3,413      | -          | -               | -          |
| Kaffa                   | 63,406                      | 83,570    | 18,607     | -          | -               | -          |
| Gamo Gofa               | 175,123                     | 80,977    | 20,116     | -          | -               | -          |
| Bench Maji              | 42,390                      | 55,586    | 16,807     | -          | -               | -          |
| Yem Sp. Wereda          | 6,942                       | 7,164     | 954        | -          | -               | -          |
| Amaro Sp. Wereda        | 13,540                      | 9,445     | 1,822      | -          | -               | -          |
| Burji Sp. Wereda        | 4,371                       | 3,106     | 839        | -          | -               | -          |
| Konso Sp. Wereda        | 18,220                      | 14,038    | 3,566      | -          | -               | -          |
| Derashe Sp. Wereda      | 11,350                      | 9,553     | 3,701      | -          | -               | -          |
| Dawro                   | 46,695                      | 28,079    | 3,844      | -          | -               | -          |
| Basketo Sp. Wereda      | 4,738                       | 4,657     | 1,522      | -          | -               | -          |
| Konta Sp. Wereda        | 7,536                       | 7,837     | 1,808      | -          | -               | -          |
| Silte                   | 44,583                      | 82,418    | 11,951     | -          | -               | -          |
| Alaba Sp. Wereda        | 16,251                      | 14,441    | 3,287      | -          | -               | -          |
| <b>Harari</b>           | 9,050                       | 6,041     | 655        | -          | -               | -          |
| Hundene                 | 9,050                       | 6,041     | 655        | -          | -               | -          |
| <b>Addis Ababa</b>      | 2,653                       | 3,593     | 705        | -          | -               | -          |
| Zone 3                  | 1,572                       | 2,523     | 457        | -          | -               | -          |
| Zone 6                  | 1,081                       | 1,070     | 248        | -          | -               | -          |
| <b>Dire Dawa</b>        | 7,213                       | 10,221    | 865        | -          | -               | -          |



TABLE 3-28: ANIMAL FEED PRACTICES OF PEASNT HOLDERS – PERCENTAGE USED BY TYPE OF FEED, ZONE, AND REGION

| Geographic Area   | Total (%) | Green Fodder | Crop Residue | Improved Feed | Hay   | By-Product | Others |
|-------------------|-----------|--------------|--------------|---------------|-------|------------|--------|
| <b>Ethiopia</b>   | 100       | 61.39        | 27.79        | 0.08          | 6.38  | 0.81       | 3.46   |
| <b>Tigray</b>     | 100       | 37.04        | 41.41        | 0.11          | 15.38 | 1.67       | 4.23   |
| North West Tigray | 100       | 43.56        | 34.75        | 0.07          | 16.3  | 4          | 1.05   |
| Central Tigray    | 100       | 33.51        | 45.01        | 0.14          | 18.65 | 0.4        | 2.11   |
| Eastern Tigray    | 100       | 33.03        | 47.17        | 0.08          | 12.89 | 0.36       | 6.3    |
| Southern Tigray   | 100       | 32.48        | 44.09        | 0.13          | 12.85 | 1.76       | 8.55   |
| Western Tigray    | 100       | 55.73        | 25.26        | 0.05          | 15.14 | 2.91       | 0.91   |
| <b>Afar</b>       | 100       | 81.9         | 10.7         | 0.03          | 3.32  | 0.77       | 3.14   |
| Zone 1            | 100       | 80.23        | 19.08        | -             | 0.07  | 0.52       | -      |
| Zone 3            | 100       | 83.06        | 4.85         | 0.05          | 5.58  | 0.95       | 5.33   |
| <b>Amhara</b>     | 100       | 46.18        | 36.35        | 0.12          | 13.19 | 0.41       | 3.64   |
| North Gonder      | 100       | 47.72        | 31.35        | 0.1           | 15.67 | 0.83       | 4.25   |
| South Gonder      | 100       | 35.71        | 41.41        | 0.3           | 18.58 | 0.5        | 3.18   |
| North Wolo        | 100       | 41.59        | 42.91        | 0.01          | 12.13 | 0.15       | 3.17   |
| South Wolo        | 100       | 38.42        | 40.81        | 0.19          | 18.18 | 0.19       | 2.1    |
| North Shewa       | 100       | 36.53        | 41.73        | 0.04          | 18.27 | 0.87       | 2.47   |
| East Gojam        | 100       | 56.69        | 32.95        | 0.12          | 3.64  | 0.16       | 6.37   |
| West Gojam        | 100       | 54.77        | 32.36        | 0.08          | 8.17  | 0.35       | 4.17   |
| Waghamera         | 100       | 48.89        | 37.58        | 0.05          | 10.45 | 0.13       | 2.86   |
| Awi               | 100       | 68.36        | 22.71        | 0.04          | 4.95  | 0.35       | 3.5    |
| Oromia            | 100       | 54.66        | 25.3         | 0.02          | 15.97 | 0.03       | 3.95   |
| <b>Oromia</b>     | 100       | 68.92        | 23.86        | 0.05          | 2.93  | 1.01       | 3.14   |
| West Wellega      | 100       | 88.94        | 7.96         | 0.03          | 0.04  | 0.94       | 1.96   |
| East Wellega      | 100       | 85.3         | 10.08        | -             | 0.63  | 0.49       | 3.48   |
| Illubabor         | 100       | 90.73        | 4.77         | 0.06          | -     | 0.16       | 4.23   |
| Jimma             | 100       | 85.28        | 12.67        | -             | *     | 0.21       | 1.69   |
| West Shewa        | 100       | 74.2         | 18.85        | 0.04          | 3.11  | 0.9        | 2.88   |
| North Shewa       | 100       | 56.92        | 20.83        | 0.07          | 19.16 | 1.13       | 1.66   |
| East Shewa        | 100       | 57.05        | 38.93        | 0.08          | 1.18  | 2.14       | 0.6    |
| Arsi              | 100       | 59.79        | 33.58        | 0.01          | 1.85  | 1.95       | 2.76   |
| West Harerghe     | 100       | 40.39        | 45.38        | -             | 4.4   | 0.27       | 9.45   |
| East Harerghe     | 100       | 41.21        | 45.15        | 0.27          | 6.34  | 1.41       | 5.59   |
| Bale              | 100       | 83.81        | 13.32        | -             | 0.86  | 1.32       | 0.55   |
| Borena            | 100       | 90.01        | 7.17         | 0.01          | 0.48  | 0.2        | 1.97   |
| South West Shewa  | 100       | 58.27        | 34.41        | 0.04          | 3.69  | 1.19       | 2.37   |
| Guji              | 100       | 80.24        | 13.6         | -             | 0.22  | 0.31       | 5.5    |

TABLE 3-28 CONT'D

| Geographic Area         | Total (%) | Green Fodder | Crop Residue | Improved Feed | Hay   | By-Product | Others |
|-------------------------|-----------|--------------|--------------|---------------|-------|------------|--------|
| <b>Somale</b>           | 100       | 78.59        | 18.87        | 0.02          | 1.69  | 0.13       | 0.66   |
| Shinele                 | 100       | 83.55        | 11.03        | -             | 0.22  | 1.86       | 3.29   |
| Jijiga                  | 100       | 75.32        | 22.15        | 0.03          | 1.91  | 0.05       | 0.51   |
| Liben                   | 100       | 86.95        | 11.07        | -             | 1.37  | 0.02       | 0.57   |
| <b>Benshangul-Gumuz</b> | 100       | 86.73        | 8.38         | 0.03          | 1.55  | 0.4        | 2.73   |
| Metekel                 | 100       | 82.22        | 10.84        | -             | 2.74  | 0.16       | 3.86   |
| Asosa                   | 100       | 88.16        | 8.22         | 0.07          | 0.88  | 0.57       | 1.96   |
| Kemeshi                 | 100       | 95.49        | 1.93         | -             | 0.04  | 0.62       | 1.71   |
| <b>SNNP</b>             | 100       | 71.49        | 21.75        | 0.06          | 2.12  | 0.72       | 3.75   |
| Gurage                  | 100       | 64.88        | 23.73        | 0.11          | 7.54  | 0.8        | 2.75   |
| Hadiya                  | 100       | 63.35        | 26.77        | 0.01          | 1.18  | 0.49       | 8.17   |
| Kembata Tembaro         | 100       | 53.43        | 31.43        | 0.21          | 2.8   | 1.05       | 10.98  |
| Sidama                  | 100       | 72.65        | 22.24        | 0.05          | 0.61  | 0.7        | 3.53   |
| Gedio                   | 100       | 78.66        | 18.63        | 0.02          | 0.05  | 0.07       | 2.39   |
| Wolayita                | 100       | 67.94        | 26.54        | 0.14          | 3.61  | 0.57       | 1.05   |
| South Omo               | 100       | 85.01        | 12.81        | 0.08          | 0.03  | 0.31       | 1.75   |
| Shaka                   | 100       | 87.85        | 5.39         | -             | -     | 4.18       | 2.46   |
| Kaffa                   | 100       | 93.88        | 3.1          | 0.02          | *     | 1.84       | 1.14   |
| Gamo Gofa               | 100       | 70.71        | 21.95        | 0.03          | 2.88  | 0.03       | 4.33   |
| Bench Maji              | 100       | 88.66        | 5.92         | 0.03          | -     | 2.99       | 2.36   |
| Yem Sp. Wereda          | 100       | 73.05        | 16.98        | 0.05          | 6.97  | 0.04       | 2.89   |
| Amaro Sp. Wereda        | 100       | 77.46        | 21.83        | -             | -     | -          | 0.71   |
| Burji Sp. Wereda        | 100       | 76.05        | 21.55        | -             | 0.77  | -          | 1.62   |
| Konso Sp. Wereda        | 100       | 34.26        | 43.78        | 0.05          | 2.46  | 0.04       | 19.24  |
| Derashe Sp. Wereda      | 100       | 67.73        | 25.84        | -             | 0.34  | -          | 6.06   |
| Dawro                   | 100       | 83.28        | 11.86        | -             | 0.76  | 0.02       | 4      |
| Basketo Sp. Wereda      | 100       | 74.31        | 21.15        | -             | 0.02  | -          | 4.4    |
| Konta Sp. Wereda        | 100       | 80.5         | 14.42        | -             | 0.42  | -          | 4.64   |
| Silte                   | 100       | 61.56        | 34.09        | *             | 2.58  | 0.3        | 1.4    |
| Alaba Sp. Wereda        | 100       | 60.86        | 36.03        | -             | 1.97  | 0.19       | 0.9    |
| <b>Harari</b>           | 100       | 29.34        | 58.37        | 1.11          | 0.34  | 6.41       | 4.35   |
| Hundene                 | 100       | 29.34        | 58.37        | 1.11          | 0.34  | 6.41       | 4.35   |
| <b>Addis Ababa</b>      | 100       | 48.85        | 32.3         | 0.13          | 10.98 | 4.89       | 2.81   |
| Zone 3                  | 100       | 55.56        | 24.61        | 0.2           | 12.38 | 4.01       | 3.2    |
| Zone 6                  | 100       | 35.47        | 47.62        | -             | 8.18  | 6.63       | 2.05   |
| <b>Dire Dawa</b>        | 100       | 70.22        | 24.5         | -             | 0.87  | 3.51       | 0.88   |

TABLE 3-29 - a: ANIMAL FEED PRACTICES OF PEASNT HOLDERS – NUMBER OF  
HOLDERS REPORTING BY TYPE OF FEED, ZONE, AND REGION

| Geographic Area   | Green<br>Fodder | Crop<br>Residue | Improved<br>Feed | Hay       | By-Product | Others    |
|-------------------|-----------------|-----------------|------------------|-----------|------------|-----------|
| <b>Ethiopia</b>   | 9,911,185       | 8,360,245       | 45,207           | 2,921,913 | 718,571    | 2,614,109 |
| <b>Tigray</b>     | 607,065         | 595,501         | 4,036            | 463,689   | 95,429     | 152,407   |
| North West Tigray | 120,050         | 116,408         | 441              | 99,085    | 44,688     | 13,236    |
| Central Tigray    | 166,688         | 172,015         | 1,785            | 149,430   | 4,805      | 39,886    |
| Eastern Tigray    | 102,309         | 97,311          | 446              | 64,073    | 2,185      | 36,441    |
| Southern Tigray   | 163,276         | 159,317         | 1,102            | 113,270   | 30,751     | 59,020    |
| Western Tigray    | 54,742          | 50,449          | 261              | 37,832    | 13,000     | 3,824     |
| <b>Afar</b>       | 27,101          | 13,138          | 87               | 3,312     | 995        | 2,180     |
| Zone 1            | 11,428          | 9,092           | -                | 45        | 523        | -         |
| Zone 3            | 15,672          | 4,046           | 87               | 3,268     | 471        | 2,180     |
| <b>Amhara</b>     | 2,786,330       | 2,648,524       | 16,019           | 1,576,300 | 107,396    | 830,790   |
| North Gonder      | 386,959         | 345,881         | 2,400            | 239,858   | 24,295     | 101,075   |
| South Gonder      | 348,940         | 344,991         | 4,412            | 264,172   | 12,531     | 71,479    |
| North Wolo        | 267,600         | 255,596         | 219              | 156,995   | 7,946      | 44,436    |
| South Wolo        | 446,050         | 430,506         | 3,970            | 328,026   | 5,096      | 40,461    |
| North Shewa       | 314,602         | 314,511         | 817              | 228,490   | 31,507     | 83,217    |
| East Gojam        | 373,893         | 351,312         | 2,468            | 75,333    | 5,070      | 224,479   |
| West Gojam        | 357,536         | 340,528         | 1,113            | 148,610   | 13,565     | 176,970   |
| Waghamera         | 68,218          | 65,258          | 164              | 37,597    | 464        | 3,021     |
| Awi               | 157,396         | 143,810         | 367              | 54,913    | 6,780      | 73,854    |
| Oromia            | 65,136          | 56,131          | 89               | 42,307    | 143        | 11,800    |
| <b>Oromia</b>     | 3,938,508       | 3,085,192       | 12,313           | 609,806   | 332,969    | 884,931   |
| West Wellega      | 275,527         | 119,493         | 504              | 1,353     | 17,558     | 57,521    |
| East Wellega      | 248,972         | 145,381         | -                | 14,142    | 14,707     | 74,809    |
| Illubabor         | 181,988         | 59,899          | 527              | -         | 1,739      | 67,911    |
| Jimma             | 454,293         | 340,414         | -                | 614       | 9,076      | 84,101    |
| West Shewa        | 341,865         | 299,138         | 689              | 90,170    | 40,152     | 118,741   |
| North Shewa       | 228,344         | 203,573         | 1,849            | 199,503   | 28,273     | 66,621    |
| East Shewa        | 297,004         | 278,972         | 1,985            | 22,220    | 45,004     | 19,491    |
| Arsi              | 501,245         | 477,984         | 374              | 66,395    | 75,732     | 93,757    |
| West Harerghe     | 246,472         | 258,851         | -                | 39,222    | 3,779      | 89,734    |
| East Harerghe     | 360,107         | 387,604         | 5,839            | 103,331   | 31,396     | 105,191   |
| Bale              | 319,430         | 200,597         | -                | 18,617    | 36,224     | 17,114    |
| Borena            | 141,621         | 46,654          | 118              | 1,915     | 2,137      | 19,557    |
| South West Shewa  | 167,301         | 158,460         | 428              | 49,082    | 24,420     | 27,623    |
| Guji              | 174,339         | 108,173         | -                | 3,243     | 2,772      | 42,759    |

TABLE 3-29 – a CONT'D

| Geographic Area         | Green Fodder | Crop Residue | Improved Feed | Hay     | By-Product | Others  |
|-------------------------|--------------|--------------|---------------|---------|------------|---------|
| <b>Somale</b>           | 103,016      | 84,872       | 68            | 11,561  | 1,195      | 7,126   |
| Shinele                 | 5,113        | 2,356        | -             | 94      | 632        | 1,189   |
| Jijiga                  | 72,688       | 69,605       | 68            | 10,179  | 535        | 5,393   |
| Liben                   | 25,214       | 12,911       | -             | 1,288   | 28         | 544     |
| <b>Benshangul-Gumuz</b> | 107,248      | 47,824       | 123           | 10,357  | 3,692      | 26,289  |
| Metekel                 | 45,446       | 23,538       | -             | 7,710   | 1,125      | 15,967  |
| Asosa                   | 45,560       | 21,920       | 123           | 2,614   | 2,048      | 8,711   |
| Kemeshi                 | 16,242       | 2,365        | -             | 33      | 519        | 1,611   |
| <b>SNNP</b>             | 2,308,026    | 1,849,884    | 11,768        | 241,990 | 166,730    | 704,890 |
| Gurage                  | 238,587      | 212,565      | 2,553         | 79,030  | 14,785     | 72,143  |
| Hadiya                  | 193,609      | 184,675      | 193           | 16,974  | 7,974      | 117,435 |
| Kembata Tembaro         | 112,024      | 105,856      | 2,264         | 16,251  | 10,355     | 83,761  |
| Sidama                  | 443,762      | 366,886      | 2,397         | 12,331  | 29,004     | 128,835 |
| Gedio                   | 99,706       | 67,956       | 431           | 496     | 476        | 12,962  |
| Wolayita                | 264,839      | 245,969      | 2,522         | 52,238  | 11,523     | 25,235  |
| South Omo               | 72,406       | 38,794       | 95            | 163     | 1,756      | 10,472  |
| Shaka                   | 26,834       | 6,505        | -             | -       | 13,266     | 6,550   |
| Kaffa                   | 158,398      | 61,143       | 505           | 100     | 37,571     | 33,326  |
| Gamo Gofa               | 245,517      | 189,051      | 414           | 29,558  | 645        | 64,449  |
| Bench Maji              | 104,025      | 47,861       | 163           | -       | 35,942     | 22,851  |
| Yem Sp. Wereda          | 14,025       | 12,768       | 72            | 5,719   | 121        | 4,909   |
| Amaro Sp. Wereda        | 23,100       | 20,068       | -             | -       | -          | 1,115   |
| Burji Sp. Wereda        | 7,156        | 6,402        | -             | 459     | -          | 1,124   |
| Konso Sp. Wereda        | 22,549       | 31,562       | 55            | 3,087   | 54         | 27,816  |
| Derashe Sp. Wereda      | 20,079       | 19,259       | -             | 704     | -          | 8,756   |
| Dawro                   | 75,612       | 56,620       | -             | 3,927   | 152        | 46,619  |
| Basketo Sp. Wereda      | 9,475        | 7,896        | -             | 19      | -          | 2,803   |
| Konta Sp. Wereda        | 16,362       | 12,584       | -             | 272     | -          | 8,845   |
| Silte                   | 128,199      | 124,174      | 103           | 17,761  | 2,726      | 21,876  |
| Alaba Sp. Wereda        | 31,762       | 31,288       | -             | 2,902   | 380        | 3,010   |
| <b>Harari</b>           | 11,087       | 14,460       | 748           | 250     | 4,396      | 2,305   |
| Hundene                 | 11,087       | 14,460       | 748           | 250     | 4,396      | 2,305   |
| <b>Addis Ababa</b>      | 5,385        | 4,657        | 45            | 3,353   | 2,073      | 1,257   |
| Zone 3                  | 3,592        | 2,969        | 45            | 2,462   | 1,236      | 892     |
| Zone 6                  | 1,793        | 1,688        | -             | 891     | 837        | 365     |
| <b>Dire Dawa</b>        | 17,420       | 16,194       | -             | 1,294   | 3,696      | 1,934   |

TABLE 3-29 - b: NUMBER OF HOLDERS REPORTING ANIMAL FEED BY SOURCE OF FEED, ZONE, AND REGION

**1. Green Fodder**

| Geographic Area   | Own Holding | Purchased | Communal/<br>Government<br>Holding | From any Two<br>or More<br>Sources | Others  |
|-------------------|-------------|-----------|------------------------------------|------------------------------------|---------|
| <b>Ethiopia</b>   | 3,439,885   | 203,186   | 3,416,988                          | 2,599,966                          | 242,399 |
| <b>Tigray</b>     | 57,120      | 1,906     | 397,384                            | 133,626                            | 16,122  |
| North West Tigray | 1,263       | -         | 109,244                            | 6,755                              | 2,521   |
| Central Tigray    | 10,325      | 300       | 106,651                            | 49,412                             | -       |
| Eastern Tigray    | 22,017      | 1,400     | 47,047                             | 31,194                             | 257     |
| Southern Tigray   | 18,781      | -         | 105,878                            | 38,163                             | 306     |
| Western Tigray    | 4,734       | 205       | 28,564                             | 8,102                              | 13,039  |
| <b>Afar</b>       | 2,110       | 476       | 19,779                             | 4,375                              | 361     |
| Zone 1            | 827         | 62        | 8,570                              | 1,736                              | 233     |
| Zone 3            | 1,282       | 414       | 11,209                             | 2,639                              | 128     |
| <b>Amhara</b>     | 699,683     | 45,039    | 1,188,902                          | 813,291                            | 37,812  |
| North Gonder      | 46,183      | 3,563     | 195,862                            | 139,279                            | 1,030   |
| South Gonder      | 54,720      | 6,664     | 178,167                            | 103,283                            | 5,545   |
| North Wolo        | 130,137     | 5,830     | 60,613                             | 63,596                             | 7,424   |
| South Wolo        | 258,315     | 13,404    | 93,644                             | 73,531                             | 7,157   |
| North Shewa       | 160,377     | 10,490    | 54,473                             | 79,709                             | 9,552   |
| East Gojam        | 14,251      | 756       | 256,248                            | 101,164                            | 1,474   |
| West Gojam        | 18,698      | 905       | 190,093                            | 144,828                            | 3,011   |
| Waghamera         | 259         | 294       | 63,254                             | 4,410                              | -       |
| Awı               | 2,001       | 556       | 69,705                             | 83,596                             | 1,540   |
| Oromia            | 14,742      | 2,576     | 26,844                             | 19,895                             | 1,079   |
| <b>Oromia</b>     | 1,464,995   | 110,779   | 1,374,210                          | 873,617                            | 111,362 |
| West Wellega      | 33,352      | 1,596     | 179,055                            | 60,772                             | 752     |
| East Wellega      | 34,713      | 3,405     | 139,094                            | 67,567                             | 3,989   |
| Illubabor         | 38,488      | 171       | 81,614                             | 57,836                             | 3,879   |
| Jimma             | 192,273     | 1,908     | 145,117                            | 101,311                            | 13,089  |
| West Shewa        | 156,801     | 33,201    | 37,031                             | 93,813                             | 20,527  |
| North Shewa       | 107,812     | 17,323    | 41,180                             | 43,707                             | 17,406  |
| East Shewa        | 157,104     | 10,112    | 74,180                             | 46,892                             | 8,508   |
| Arsi              | 280,588     | 28,029    | 77,449                             | 90,912                             | 23,950  |
| West Harerghe     | 98,548      | 1,362     | 117,722                            | 25,117                             | 3,506   |
| East Harerghe     | 140,037     | 2,122     | 160,216                            | 54,902                             | 2,830   |
| Bale              | 60,907      | 1,001     | 130,434                            | 125,594                            | 1,368   |
| Borena            | 31,529      | 381       | 89,277                             | 17,895                             | 2,068   |
| South West Shewa  | 86,134      | 9,580     | 22,269                             | 40,950                             | 8,366   |
| Guji              | 46,709      | 587       | 79,572                             | 46,348                             | 1,124   |

TABLE 3-29 – b-1 CONT'D

| Geographic Area         | Own Holding | Purchased | Communal/<br>Government<br>Holding | From any<br>Two or More<br>Sources | Others |
|-------------------------|-------------|-----------|------------------------------------|------------------------------------|--------|
| <b>Somale</b>           | 10,730      | 983       | 62,276                             | 23,917                             | 5,102  |
| Shinele                 | 299         | 6         | 3,885                              | 6                                  | 909    |
| Jijiga                  | 10,068      | 887       | 41,929                             | 19,804                             | -      |
| Liben                   | 362         | 90        | 16,462                             | 4,107                              | 4,194  |
| <b>Benshangul-Gumuz</b> | 2,894       | 207       | 90,169                             | 12,586                             | 1,271  |
| Metekel                 | 601         | 72        | 39,459                             | 5,249                              | -      |
| Asosa                   | 1,352       | 93        | 37,647                             | 5,246                              | 1,222  |
| Kemeshi                 | 941         | 41        | 13,063                             | 2,091                              | 49     |
| <b>SNNP</b>             | 1,194,021   | 43,412    | 262,334                            | 736,428                            | 69,290 |
| Gurage                  | 93,562      | 1,364     | 15,712                             | 124,029                            | 3,715  |
| Hadiya                  | 122,022     | 752       | 2,960                              | 64,632                             | 3,243  |
| Kembata Tembaro         | 52,273      | 511       | 5,636                              | 49,479                             | 4,125  |
| Sidama                  | 258,253     | 5,556     | 28,153                             | 149,167                            | 2,242  |
| Gedio                   | 75,457      | 3,117     | 4,725                              | 13,971                             | 1,884  |
| Wolayita                | 117,639     | 20,278    | 13,867                             | 106,432                            | 6,436  |
| South Omo               | 37,964      | 1,414     | 14,387                             | 13,209                             | 5,433  |
| Shaka                   | 17,304      | 96        | 5,029                              | 3,255                              | 1,019  |
| Kaffa                   | 106,181     | 2,113     | 16,536                             | 18,777                             | 14,358 |
| Gamo Gofa               | 100,402     | 6,004     | 73,231                             | 56,060                             | 9,820  |
| Bench Maji              | 52,509      | 115       | 24,379                             | 23,985                             | 2,796  |
| Yem Sp. Wereda          | 6,782       | 309       | 3,123                              | 3,198                              | 614    |
| Amaro Sp. Wereda        | 8,471       | -         | 5,839                              | 6,748                              | 2,003  |
| Burji Sp. Wereda        | 953         | -         | 4,574                              | 1,614                              | 15     |
| Konso Sp. Wereda        | 8,280       | 54        | 9,543                              | 2,813                              | 1,806  |
| Derashe Sp. Wereda      | 1,811       | 84        | 15,111                             | 2,910                              | 164    |
| Dawro                   | 36,208      | 942       | 14,184                             | 20,295                             | 3,983  |
| Basketo Sp. Wereda      | 4,307       | 20        | 2,836                              | 1,499                              | 813    |
| Konta Sp. Wereda        | 11,145      | 179       | 832                                | 1,602                              | 2,574  |
| Silte                   | 62,985      | 503       | 976                                | 61,836                             | 1,620  |
| Alaba Sp. Wereda        | 19,516      | -         | 701                                | 10,917                             | 628    |
| <b>Harari</b>           | 5,240       | 40        | 4,639                              | 1,110                              | 58     |
| Hundene                 | 5,240       | 40        | 4,639                              | 1,110                              | 58     |
| <b>Addis Ababa</b>      | 2,645       | 345       | 535                                | 802                                | 1,021  |
| Zone 3                  | 1,686       | 204       | 226                                | 739                                | 725    |
| Zone 6                  | 959         | 142       | 309                                | 63                                 | 295    |
| <b>Dire Dawa</b>        | 447         | -         | 16,760                             | 213                                | -      |

## 2. Crop Residue

| Geographic Area   | Own Holding | Purchased | Communal/<br>Government<br>Holding | From any Two<br>or More<br>Sources | Others  |
|-------------------|-------------|-----------|------------------------------------|------------------------------------|---------|
| <b>Ethiopia</b>   | 7,454,988   | 135,177   | 77,217                             | 564,992                            | 116,482 |
| <b>Tigray</b>     | 474,508     | 10,163    | 2,362                              | 105,812                            | 1,434   |
| North West Tigray | 104,077     | 1,670     | 807                                | 9,386                              | -       |
| Central Tigray    | 131,483     | 1,410     | 188                                | 38,785                             | 149     |
| Eastern Tigray    | 74,680      | 1,250     | 635                                | 19,836                             | 512     |
| Southern Tigray   | 120,275     | 2,136     | 276                                | 35,876                             | 453     |
| Western Tigray    | 43,993      | 3,697     | 456                                | 1,928                              | 319     |
| <b>Afar</b>       | 9,556       | 489       | 1,631                              | 1,256                              | 168     |
| Zone 1            | 6,843       | 151       | 1,463                              | 575                                | 42      |
| Zone 3            | 2,713       | 338       | 168                                | 681                                | 125     |
| <b>Amhara</b>     | 2,325,117   | 41,543    | 15,700                             | 231,882                            | 32,101  |
| North Gonder      | 305,667     | 5,801     | 3,265                              | 28,131                             | 2,272   |
| South Gonder      | 288,434     | 7,603     | 2,386                              | 41,877                             | 4,691   |
| North Wolo        | 201,924     | 2,263     | 1,506                              | 48,316                             | 1,468   |
| South Wolo        | 369,374     | 10,772    | 966                                | 46,046                             | 3,072   |
| North Shewa       | 268,459     | 3,591     | 2,568                              | 34,284                             | 5,609   |
| East Gojam        | 329,913     | 4,100     | 2,576                              | 10,269                             | 4,153   |
| West Gojam        | 315,845     | 4,116     | 1,827                              | 11,425                             | 6,864   |
| Waghamera         | 60,911      | 825       | -                                  | 3,154                              | 368     |
| Awi               | 130,970     | 2,022     | 605                                | 6,805                              | 3,199   |
| Oromia            | 53,621      | 450       | -                                  | 1,578                              | 405     |
| <b>Oromia</b>     | 2,789,154   | 56,827    | 48,240                             | 130,119                            | 56,764  |
| West Wellega      | 87,567      | 3,129     | 780                                | 27,519                             | 238     |
| East Wellega      | 140,534     | 1,186     | 2,313                              | 1,161                              | 188     |
| Illubabor         | 54,601      | 173       | 2,561                              | 2,563                              | -       |
| Jimma             | 312,107     | 2,033     | 12,040                             | 9,825                              | 4,011   |
| West Shewa        | 264,009     | 9,317     | 3,247                              | 11,151                             | 11,162  |
| North Shewa       | 167,260     | 8,487     | 3,425                              | 15,603                             | 7,835   |
| East Shewa        | 254,220     | 6,579     | 2,596                              | 9,227                              | 6,350   |
| Arsi              | 424,632     | 16,098    | 5,149                              | 13,660                             | 17,800  |
| West Harerghe     | 242,463     | 1,958     | 4,750                              | 7,387                              | 1,678   |
| East Harerghe     | 373,432     | 919       | 3,527                              | 5,963                              | 3,485   |
| Bale              | 179,586     | 2,634     | 5,186                              | 11,094                             | 1,861   |
| Borena            | 43,772      | 1,513     | 354                                | 899                                | 117     |
| South West Shewa  | 143,889     | 1,830     | 1,272                              | 10,166                             | 1,033   |
| Guji              | 101,082     | 971       | 1,040                              | 3,901                              | 1,006   |

TABLE 3-29 – b-2 CONT'D

| Geographic Area         | Own Holding | Purchased | Communal/<br>Government<br>Holding | From any<br>Two or More<br>Sources | Others |
|-------------------------|-------------|-----------|------------------------------------|------------------------------------|--------|
| <b>Somale</b>           | 79,769      | 1,907     | 534                                | 1,609                              | 931    |
| Shinele                 | 2,131       | 70        | 19                                 | 76                                 | 53     |
| Jijiga                  | 68,064      | 77        | 275                                | 444                                | 668    |
| Liben                   | 9,574       | 1,761     | 241                                | 1,089                              | 210    |
| <b>Benshangul-Gumuz</b> | 46,126      | 69        | 429                                | 670                                | 530    |
| Metekel                 | 23,002      | -         | 121                                | 173                                | 242    |
| Asosa                   | 20,886      | 69        | 258                                | 483                                | 225    |
| Kemeshi                 | 2,238       | -         | 50                                 | 14                                 | 63     |
| <b>SNNP</b>             | 1,698,294   | 23,355    | 8,250                              | 92,574                             | 23,759 |
| Gurage                  | 203,587     | 1,301     | -                                  | 3,796                              | 3,455  |
| Hadiya                  | 177,942     | 573       | 394                                | 2,625                              | 3,140  |
| Kembata Tembaro         | 93,895      | 708       | 106                                | 7,441                              | 3,495  |
| Sidama                  | 327,398     | 6,723     | 1,225                              | 29,605                             | 1,543  |
| Gedio                   | 59,369      | 2,308     | 177                                | 3,719                              | 1,993  |
| Wolayita                | 198,919     | 8,871     | 2,190                              | 29,826                             | 5,523  |
| South Omo               | 35,008      | 687       | 302                                | 2,208                              | 477    |
| Shaka                   | 5,853       | 191       | 73                                 | 28                                 | 325    |
| Kaffa                   | 58,052      | 287       | 517                                | 1,713                              | 431    |
| Gamo Gofa               | 183,395     | -         | 1,013                              | 2,551                              | 1,570  |
| Bench Maji              | 46,773      | 369       | 81                                 | 474                                | 163    |
| Yem Sp. Wereda          | 12,206      | 25        | 144                                | 257                                | 137    |
| Amaro Sp. Wereda        | 19,743      | -         | 125                                | 121                                | 40     |
| Burji Sp. Wereda        | 6,291       | 40        | 24                                 | 34                                 | 14     |
| Konso Sp. Wereda        | 28,443      | 119       | 184                                | 2,760                              | 55     |
| Derashe Sp. Wereda      | 18,258      | -         | 385                                | 526                                | 90     |
| Dawro                   | 53,480      | 619       | 292                                | 1,673                              | 385    |
| Basketo Sp. Wereda      | 7,062       | 86        | 296                                | 264                                | 187    |
| Konta Sp. Wereda        | 12,320      | -         | 50                                 | 160                                | 25     |
| Silte                   | 120,150     | 397       | 568                                | 2,118                              | 397    |
| Alaba Sp. Wereda        | 30,150      | 51        | 102                                | 674                                | 310    |
| <b>Harari</b>           | 13,315      | 40        | -                                  | 922                                | 137    |
| Hundene                 | 13,315      | 40        | -                                  | 922                                | 137    |
| <b>Addis Ababa</b>      | 3,737       | 392       | 18                                 | 149                                | 352    |
| Zone 3                  | 2,346       | 254       | 10                                 | 96                                 | 263    |
| Zone 6                  | 1,391       | 138       | 8                                  | 53                                 | 89     |
| <b>Dire Dawa</b>        | 15,412      | 394       | 52                                 | -                                  | 307    |



### 3. Improved Feed

| Geographic Area   | Own Holding | Purchased | Communal/<br>Government<br>Holding | From any Two<br>or More<br>Sources | Others |
|-------------------|-------------|-----------|------------------------------------|------------------------------------|--------|
| <b>Ethiopia</b>   | 33,082      | 6,524     | 2,579                              | 1,128                              | 701    |
| <b>Tigray</b>     | 2,743       | 283       | -                                  | 453                                | -      |
| North West Tigray | 294         | -         | -                                  | -                                  | -      |
| Central Tigray    | 1,226       | 149       | -                                  | -                                  | -      |
| Eastern Tigray    | 223         | 134       | -                                  | 89                                 | -      |
| Southern Tigray   | 795         | -         | -                                  | 307                                | -      |
| Western Tigray    | 205         | -         | -                                  | 56                                 | -      |
| <b>Afar</b>       | 41          | 22        | -                                  | 24                                 | -      |
| Zone 1            | -           | -         | -                                  | -                                  | -      |
| Zone 3            | 41          | 22        | -                                  | 24                                 | -      |
| <b>Amhara</b>     | 13,112      | 1,887     | -                                  | 340                                | 331    |
| North Gonder      | 2,069       | -         | -                                  | -                                  | 331    |
| South Gonder      | 2,962       | 1,449     | -                                  | -                                  | -      |
| North Wolo        | 219         | -         | -                                  | -                                  | -      |
| South Wolo        | 3,630       | -         | -                                  | 340                                | -      |
| North Shewa       | 817         | -         | -                                  | -                                  | -      |
| East Gojam        | 1,928       | 274       | -                                  | -                                  | -      |
| West Gojam        | 1,113       | -         | -                                  | -                                  | -      |
| Waghamera         | 82          | -         | -                                  | -                                  | -      |
| Awi               | 203         | 164       | -                                  | -                                  | -      |
| Oromia            | 89          | -         | -                                  | -                                  | -      |
| <b>Oromia</b>     | 6,791       | 2,585     | 2,484                              | -                                  | 190    |
| West Wellega      | 504         | -         | -                                  | -                                  | -      |
| East Wellega      | -           | -         | -                                  | -                                  | -      |
| Illubabor         | 337         | -         | 190                                | -                                  | -      |
| Jimma             | -           | -         | -                                  | -                                  | -      |
| West Shewa        | 689         | -         | -                                  | -                                  | -      |
| North Shewa       | 1,150       | 246       | -                                  | -                                  | 190    |
| East Shewa        | 576         | 1,409     | -                                  | -                                  | -      |
| Arsi              | -           | 374       | -                                  | -                                  | -      |
| West Harerghe     | -           | -         | -                                  | -                                  | -      |
| East Harerghe     | 3,250       | 294       | 2,295                              | -                                  | -      |
| Bale              | -           | -         | -                                  | -                                  | -      |
| Borena            | -           | 118       | -                                  | -                                  | -      |
| South West Shewa  | 285         | 143       | -                                  | -                                  | -      |
| Guji              | -           | -         | -                                  | -                                  | -      |

TABLE 3-29 – b-3 CONT'D

| Geographic Area         | Own Holding | Purchased | Communal/<br>Government<br>Holding | From any<br>Two or More<br>Sources | Others |
|-------------------------|-------------|-----------|------------------------------------|------------------------------------|--------|
| <b>Somale</b>           | -           | -         | -                                  | -                                  | 68     |
| Shinele                 | -           | -         | -                                  | -                                  | -      |
| Jijiga                  | -           | -         | -                                  | -                                  | 68     |
| Liben                   | -           | -         | -                                  | -                                  | -      |
| <b>Benshangul-Gumuz</b> | 123         | -         | -                                  | -                                  | -      |
| Metekel                 | -           | -         | -                                  | -                                  | -      |
| Asosa                   | 123         | -         | -                                  | -                                  | -      |
| Kemeshi                 | -           | -         | -                                  | -                                  | -      |
| <b>SNNP</b>             | 9,841       | 1,410     | 95                                 | 312                                | 111    |
| Gurage                  | 2,143       | 204       | -                                  | 206                                | -      |
| Hadiya                  | 193         | -         | -                                  | -                                  | -      |
| Kembata Tembaro         | 1,738       | 310       | -                                  | 105                                | 111    |
| Sidama                  | 2,397       | -         | -                                  | -                                  | -      |
| Gedio                   | -           | 431       | -                                  | -                                  | -      |
| Wolayita                | 2,112       | 410       | -                                  | -                                  | -      |
| South Omo               | -           | -         | 95                                 | -                                  | -      |
| Shaka                   | -           | -         | -                                  | -                                  | -      |
| Kaffa                   | 505         | -         | -                                  | -                                  | -      |
| Gamo Gofa               | 414         | -         | -                                  | -                                  | -      |
| Bench Maji              | 163         | -         | -                                  | -                                  | -      |
| Yem Sp. Wereda          | 72          | -         | -                                  | -                                  | -      |
| Amaro Sp. Wereda        | -           | -         | -                                  | -                                  | -      |
| Burji Sp. Wereda        | -           | -         | -                                  | -                                  | -      |
| Konso Sp. Wereda        | -           | 55        | -                                  | -                                  | -      |
| Derashe Sp. Wereda      | -           | -         | -                                  | -                                  | -      |
| Dawro                   | -           | -         | -                                  | -                                  | -      |
| Basketo Sp. Wereda      | -           | -         | -                                  | -                                  | -      |
| Konta Sp. Wereda        | -           | -         | -                                  | -                                  | -      |
| Silte                   | 103         | -         | -                                  | -                                  | -      |
| Alaba Sp. Wereda        | -           | -         | -                                  | -                                  | -      |
| <b>Harari</b>           | 403         | 319       | -                                  | -                                  | -      |
| Hundene                 | 403         | 319       | -                                  | -                                  | -      |
| <b>Addis Ababa</b>      | 27          | 18        | -                                  | -                                  | -      |
| Zone 3                  | 27          | 18        | -                                  | -                                  | -      |
| Zone 6                  | -           | -         | -                                  | -                                  | -      |
| <b>Dire Dawa</b>        | -           | -         | -                                  | -                                  | -      |

#### 4. Hay

| Geographic Area   | Own Holding | Purchased | Communal/<br>Government<br>Holding | From any Two<br>or More<br>Sources | Others |
|-------------------|-------------|-----------|------------------------------------|------------------------------------|--------|
| <b>Ethiopia</b>   | 1,967,706   | 436,853   | 62,593                             | 403,899                            | 41,384 |
| <b>Tigray</b>     | 335,098     | 31,278    | 8,614                              | 85,327                             | 1,274  |
| North West Tigray | 77,928      | 2,899     | 399                                | 17,125                             | -      |
| Central Tigray    | 100,303     | 13,937    | 3,856                              | 30,697                             | 298    |
| Eastern Tigray    | 47,532      | 4,874     | 1,757                              | 8,971                              | 339    |
| Southern Tigray   | 82,559      | 4,591     | 645                                | 24,907                             | 144    |
| Western Tigray    | 26,777      | 4,978     | 1,957                              | 3,627                              | 493    |
| <b>Afar</b>       | 867         | 1,233     | 901                                | 292                                | -      |
| Zone 1            | 31          | 14        | -                                  | -                                  | -      |
| Zone 3            | 836         | 1,220     | 901                                | 292                                | -      |
| <b>Amhara</b>     | 1,014,606   | 259,989   | 35,883                             | 244,951                            | 16,573 |
| North Gonder      | 154,878     | 48,921    | 1,765                              | 31,653                             | 1,989  |
| South Gonder      | 156,876     | 58,917    | 2,073                              | 44,017                             | 2,288  |
| North Wolo        | 93,853      | 15,981    | 12,465                             | 33,118                             | 1,577  |
| South Wolo        | 217,805     | 49,532    | 1,886                              | 56,716                             | 415    |
| North Shewa       | 148,228     | 18,920    | 1,919                              | 54,149                             | 4,989  |
| East Gojam        | 50,189      | 14,060    | 6,488                              | 2,990                              | 764    |
| West Gojam        | 94,744      | 35,837    | 3,801                              | 10,834                             | 3,182  |
| Waghamera         | 28,342      | 816       | 5,237                              | 3,202                              | -      |
| Awi               | 37,402      | 11,912    | 148                                | 3,794                              | 1,119  |
| Oromia            | 32,288      | 5,092     | 100                                | 4,477                              | 251    |
| <b>Oromia</b>     | 421,629     | 106,599   | 12,627                             | 45,071                             | 21,430 |
| West Wellega      | 1,353       | -         | -                                  | -                                  | -      |
| East Wellega      | 12,962      | 592       | -                                  | 398                                | -      |
| Illubabor         | -           | -         | -                                  | -                                  | -      |
| Jimma             | 614         | -         | -                                  | -                                  | -      |
| West Shewa        | 63,855      | 16,332    | 2,159                              | 2,313                              | 5,258  |
| North Shewa       | 115,911     | 36,118    | 4,982                              | 30,770                             | 10,338 |
| East Shewa        | 18,133      | 2,652     | 251                                | -                                  | 1,185  |
| Arsi              | 46,251      | 12,500    | 1,739                              | 2,807                              | 2,785  |
| West Harerghe     | 25,026      | 11,251    | 786                                | 1,420                              | 739    |
| East Harerghe     | 82,555      | 14,596    | 1,791                              | 4,079                              | -      |
| Bale              | 12,599      | 4,162     | 344                                | 1,297                              | 215    |
| Borena            | 1,564       | -         | -                                  | -                                  | 351    |
| South West Shewa  | 37,563      | 8,396     | 575                                | 1,988                              | 561    |
| Guji              | 3,243       | -         | -                                  | -                                  | -      |

TABLE 3-29 – b-4 CONT'D

| Geographic Area         | Own Holding | Purchased | Communal/<br>Government<br>Holding | From any<br>Two or More<br>Sources | Others |
|-------------------------|-------------|-----------|------------------------------------|------------------------------------|--------|
| <b>Somale</b>           | 8,607       | 807       | 169                                | 1,840                              | 13     |
| Shinele                 | 63          | 18        | -                                  | -                                  | 13     |
| Jijiga                  | 7,576       | 573       | 92                                 | 1,840                              | -      |
| Liben                   | 967         | 215       | 77                                 | -                                  | -      |
| <b>Benshangul-Gumuz</b> | 8,588       | 810       | 223                                | 600                                | 136    |
| Metekel                 | 6,401       | 810       | 107                                | 255                                | 136    |
| Asosa                   | 2,154       | -         | 115                                | 345                                | -      |
| Kemeshi                 | 33          | -         | -                                  | -                                  | -      |
| <b>SNNP</b>             | 175,126     | 35,018    | 4,148                              | 25,603                             | 1,659  |
| Gurage                  | 53,292      | 13,093    | -                                  | 11,792                             | 416    |
| Hadiya                  | 13,237      | 2,964     | -                                  | 373                                | 399    |
| Kembata Tembaro         | 10,762      | 3,170     | -                                  | 2,319                              | -      |
| Sidama                  | 10,752      | 1,579     | -                                  | -                                  | -      |
| Gedio                   | 372         | 124       | -                                  | -                                  | -      |
| Wolayita                | 38,280      | 7,420     | 787                                | 5,120                              | 631    |
| South Omo               | 109         | -         | 54                                 | -                                  | -      |
| Shaka                   | -           | -         | -                                  | -                                  | -      |
| Kaffa                   | 100         | -         | -                                  | -                                  | -      |
| Gamo Gofa               | 22,911      | 2,415     | 2,852                              | 1,380                              | -      |
| Bench Maji              | -           | -         | -                                  | -                                  | -      |
| Yem Sp. Wereda          | 4,898       | 545       | 20                                 | 209                                | 46     |
| Amaro Sp. Wereda        | -           | -         | -                                  | -                                  | -      |
| Burji Sp. Wereda        | 194         | 14        | 236                                | -                                  | 14     |
| Konso Sp. Wereda        | 1,344       | 1,434     | -                                  | 310                                | -      |
| Derashe Sp. Wereda      | -           | 88        | -                                  | 616                                | -      |
| Dawro                   | 1,659       | 152       | 76                                 | 1,888                              | 152    |
| Basketo Sp. Wereda      | 19          | -         | -                                  | -                                  | -      |
| Konta Sp. Wereda        | 272         | -         | -                                  | -                                  | -      |
| Silte                   | 14,232      | 1,810     | 123                                | 1,596                              | -      |
| Alaba Sp. Wereda        | 2,693       | 209       | -                                  | -                                  | -      |
| <b>Harari</b>           | 203         | 23        | -                                  | 23                                 | -      |
| Hundene                 | 203         | 23        | -                                  | 23                                 | -      |
| <b>Addis Ababa</b>      | 1,994       | 816       | 29                                 | 193                                | 272    |
| Zone 3                  | 1,439       | 585       | 10                                 | 160                                | 246    |
| Zone 6                  | 555         | 231       | 18                                 | 34                                 | 27     |
| <b>Dire Dawa</b>        | 988         | 280       | -                                  | -                                  | 26     |

## 5. By-Product

| Geographic Area   | Own Holding | Purchased | Communal/<br>Government<br>Holding | From any Two<br>or More<br>Sources | Others |
|-------------------|-------------|-----------|------------------------------------|------------------------------------|--------|
| <b>Ethiopia</b>   | 354,197     | 316,474   | 1,473                              | 22,827                             | 18,092 |
| <b>Tigray</b>     | 59,706      | 26,128    | 495                                | 3,573                              | 4,458  |
| North West Tigray | 22,573      | 14,097    | -                                  | 2,547                              | 4,458  |
| Central Tigray    | 3,908       | 668       | 153                                | 76                                 | -      |
| Eastern Tigray    | 1,039       | 903       | 122                                | 121                                | -      |
| Southern Tigray   | 25,472      | 5,026     | 129                                | 124                                | -      |
| Western Tigray    | 6,714       | 5,435     | 91                                 | 705                                | -      |
| <b>Afar</b>       | 21          | 951       | 23                                 | -                                  | -      |
| Zone 1            | -           | 523       | -                                  | -                                  | -      |
| Zone 3            | 21          | 427       | 23                                 | -                                  | -      |
| <b>Amhara</b>     | 55,368      | 46,550    | -                                  | 2,948                              | 1,797  |
| North Gonder      | 6,559       | 17,736    | -                                  | -                                  | -      |
| South Gonder      | 4,290       | 7,463     | -                                  | 778                                | -      |
| North Wolo        | 7,691       | -         | -                                  | 255                                | -      |
| South Wolo        | 3,257       | 319       | -                                  | -                                  | 1,520  |
| North Shewa       | 16,430      | 13,557    | -                                  | 1,244                              | 277    |
| East Gojam        | 2,921       | 1,916     | -                                  | 234                                | -      |
| West Gojam        | 8,561       | 4,478     | -                                  | 272                                | -      |
| Waghamera         | 382         | -         | -                                  | 82                                 | -      |
| Awi               | 5,219       | 1,082     | -                                  | -                                  | -      |
| Oromia            | 59          | -         | -                                  | 83                                 | -      |
| <b>Oromia</b>     | 136,738     | 177,006   | 679                                | 9,854                              | 6,051  |
| West Wellega      | 15,904      | 465       | 190                                | 190                                | -      |
| East Wellega      | 14,003      | 199       | -                                  | -                                  | 505    |
| Illubabor         | 545         | 842       | -                                  | -                                  | 351    |
| Jimma             | 1,741       | 7,119     | -                                  | 216                                | -      |
| West Shewa        | 27,723      | 9,792     | -                                  | 238                                | 1,863  |
| North Shewa       | 16,132      | 9,201     | -                                  | 1,170                              | 718    |
| East Shewa        | 5,113       | 38,652    | 286                                | -                                  | 709    |
| Arsi              | 20,051      | 50,520    | -                                  | 3,782                              | 1,379  |
| West Harerghe     | 2,587       | 919       | -                                  | -                                  | 273    |
| East Harerghe     | 3,381       | 28,015    | -                                  | -                                  | -      |
| Bale              | 11,348      | 22,430    | -                                  | 2,193                              | 253    |
| Borena            | 2,020       | 118       | -                                  | -                                  | -      |
| South West Shewa  | 14,164      | 8,192     | -                                  | 2,064                              | -      |
| Guji              | 2,027       | 542       | 203                                | -                                  | -      |

TABLE 3-29 – b-5 CONT'D

| Geographic Area         | Own Holding | Purchased | Communal/<br>Government<br>Holding | From any<br>Two or More<br>Sources | Others |
|-------------------------|-------------|-----------|------------------------------------|------------------------------------|--------|
| <b>Somale</b>           | 570         | 617       | -                                  | -                                  | -      |
| Shinele                 | 6           | 617       | -                                  | -                                  | -      |
| Jijiga                  | 535         | -         | -                                  | -                                  | -      |
| Liben                   | 28          | -         | -                                  | -                                  | -      |
| <b>Benshangul-Gumuz</b> | 2,482       | 1,025     | 21                                 | 164                                | -      |
| Metekel                 | 437         | 688       | -                                  | -                                  | -      |
| Asosa                   | 1,620       | 285       | -                                  | 144                                | -      |
| Kemeshi                 | 426         | 52        | 21                                 | 21                                 | -      |
| <b>SNNP</b>             | 99,119      | 54,346    | 254                                | 6,256                              | 5,729  |
| Gurage                  | 10,695      | 3,025     | -                                  | 211                                | 853    |
| Hadiya                  | 4,990       | 1,680     | 188                                | 186                                | 186    |
| Kembata Tembaro         | 1,866       | 8,383     | -                                  | -                                  | 105    |
| Sidama                  | 785         | 27,741    | -                                  | -                                  | 477    |
| Gedio                   | -           | 476       | -                                  | -                                  | -      |
| Wolayita                | 4,211       | 7,078     | -                                  | 234                                | -      |
| South Omo               | 541         | 304       | -                                  | -                                  | 912    |
| Shaka                   | 9,650       | 1,191     | -                                  | 1,804                              | 620    |
| Kaffa                   | 35,162      | 1,556     | -                                  | 431                                | 290    |
| Gamo Gofa               | 399         | -         | -                                  | -                                  | 246    |
| Bench Maji              | 29,216      | 1,108     | 66                                 | 3,390                              | 2,040  |
| Yem Sp. Wereda          | 96          | -         | -                                  | -                                  | -      |
| Amaro Sp. Wereda        | -           | -         | -                                  | -                                  | -      |
| Burji Sp. Wereda        | -           | -         | -                                  | -                                  | -      |
| Konso Sp. Wereda        | 54          | -         | -                                  | -                                  | -      |
| Derashe Sp. Wereda      | -           | -         | -                                  | -                                  | -      |
| Dawro                   | 80          | 71        | -                                  | -                                  | -      |
| Basketo Sp. Wereda      | -           | -         | -                                  | -                                  | -      |
| Konta Sp. Wereda        | -           | -         | -                                  | -                                  | -      |
| Silte                   | 1,373       | 1,353     | -                                  | -                                  | -      |
| Alaba Sp. Wereda        | -           | 380       | -                                  | -                                  | -      |
| <b>Harari</b>           | 75          | 4,276     | -                                  | 23                                 | -      |
| Hundene                 | 75          | 4,276     | -                                  | 23                                 | -      |
| <b>Addis Ababa</b>      | 120         | 1,879     | -                                  | 9                                  | 57     |
| Zone 3                  | 40          | 1,131     | -                                  | 9                                  | 48     |
| Zone 6                  | 80          | 748       | -                                  | -                                  | 9      |
| <b>Dire Dawa</b>        | -           | 3,696     | -                                  | -                                  | -      |

TABLE 3 – 30: ESTIMATED NUMBER OF HOLDERS PRACTICED LIVESTOCK EXTENSION PACKAGES DURING THE REFERENCE PERIOD BY ZONE AND REGION

| Geographic Area   | Number of Holders Practiced |                                      |                             |                                   |                          |
|-------------------|-----------------------------|--------------------------------------|-----------------------------|-----------------------------------|--------------------------|
|                   | Dairy Development Package   | Beef/Meat/Mutton Development Package | Poultry Development Package | Honey and Wax Development Package | Any Two or More Packages |
| <b>Ethiopia</b>   | 37,549                      | 29,602                               | 122,696                     | 23,149                            | 13,531                   |
| <b>Tigray</b>     | 26,109                      | 9,722                                | 7,698                       | 12,673                            | 10,482                   |
| North West Tigray | 4,691                       | 2,373                                | 822                         | 652                               | 280                      |
| Central Tigray    | 3,399                       | 3,240                                | 2,334                       | 3,263                             | 3,021                    |
| Eastern Tigray    | 2,409                       | 2,204                                | 1,890                       | 7,160                             | 4,042                    |
| Southern Tigray   | 13,556                      | 1,716                                | 2,652                       | 1,467                             | 3,069                    |
| Western Tigray    | 2,054                       | 190                                  | -                           | 132                               | 70                       |
| <b>Afar</b>       | -                           | -                                    | -                           | -                                 | -                        |
| Zone 1            | -                           | -                                    | -                           | -                                 | -                        |
| Zone 3            | -                           | -                                    | -                           | -                                 | -                        |
| <b>Amhara</b>     | 5,158                       | 14,612                               | 5,615                       | 6,788                             | 689                      |
| North Gondar      | 742                         | 877                                  | 1,054                       | 635                               | 260                      |
| South Gondar      | 1,274                       | 1,942                                | 758                         | 865                               | -                        |
| North Wolo        | -                           | 214                                  | 428                         | 213                               | -                        |
| South Wolo        | 282                         | 989                                  | 346                         | 329                               | 329                      |
| North Shewa       | 1,092                       | 273                                  | 1,712                       | -                                 | -                        |
| East Gojam        | 822                         | 6,547                                | 219                         | 3,646                             | -                        |
| West Gojam        | 792                         | 2,623                                | 287                         | 310                               | -                        |
| Waghamera         | -                           | -                                    | 106                         | 373                               | 100                      |
| Awi               | 154                         | 967                                  | 706                         | 324                               | -                        |
| Oromia            | -                           | 180                                  | -                           | 94                                | -                        |
| <b>Oromia</b>     | 4,699                       | 4,383                                | 98,595                      | 1,840                             | 1,266                    |
| West Wellega      | 687                         | 272                                  | 5,838                       | -                                 | -                        |
| East Wellega      | -                           | -                                    | 10,135                      | -                                 | -                        |
| Illubabor         | -                           | -                                    | 4,124                       | -                                 | 365                      |
| Jimma             | -                           | 281                                  | 13,728                      | 1,161                             | 281                      |
| West Shewa        | 250                         | 555                                  | 10,092                      | -                                 | -                        |
| North Shewa       | -                           | 970                                  | 10,167                      | -                                 | -                        |
| East Shewa        | -                           | -                                    | 4,266                       | -                                 | 349                      |
| Arsi              | 3,535                       | 1,075                                | 8,445                       | -                                 | -                        |
| West Harerghe     | -                           | -                                    | 7,126                       | 402                               | -                        |
| East Harerghe     | -                           | 301                                  | 10,898                      | -                                 | -                        |
| Bale              | -                           | 529                                  | 4,668                       | 277                               | -                        |
| Borena            | 227                         | 118                                  | 135                         | -                                 | -                        |
| South West Shewa  | -                           | 282                                  | 8,616                       | -                                 | 271                      |
| Guji              | -                           | -                                    | 358                         | -                                 | -                        |

TABLE 3 – 30 CONT'D

| Geographic Area         | Number of Holders Practiced |                                      |                             |                                   |                          |
|-------------------------|-----------------------------|--------------------------------------|-----------------------------|-----------------------------------|--------------------------|
|                         | Dairy Development Package   | Beef/Meat/Mutton Development Package | Poultry Development Package | Honey and Wax Development Package | Any Two or More Packages |
| <b>Somale</b>           | -                           | 19                                   | 344                         | -                                 | -                        |
| Shinele                 | -                           | -                                    | -                           | -                                 | -                        |
| Jijiga                  | -                           | -                                    | -                           | -                                 | -                        |
| Liben                   | -                           | 19                                   | 344                         | -                                 | -                        |
| <b>Benshangul-Gumuz</b> | -                           | -                                    | 422                         | -                                 | -                        |
| Metekel                 | -                           | -                                    | 294                         | -                                 | -                        |
| Asosa                   | -                           | -                                    | 69                          | -                                 | -                        |
| Kemeshi                 | -                           | -                                    | 59                          | -                                 | -                        |
| <b>SNNP</b>             | 1,487                       | 844                                  | 9,883                       | 1,848                             | 1,095                    |
| Gurage                  | 492                         | 230                                  | 1,463                       | 413                               | 164                      |
| Hadiya                  | -                           | -                                    | 372                         | -                                 | 742                      |
| Kembata Tembaro         | 443                         | 106                                  | 1,426                       | -                                 | -                        |
| Sidama                  | -                           | -                                    | 768                         | -                                 | -                        |
| Gedio                   | -                           | 169                                  | 480                         | -                                 | -                        |
| Wolayita                | -                           | -                                    | 212                         | -                                 | -                        |
| South Omo               | -                           | -                                    | 200                         | 53                                | -                        |
| Shaka                   | -                           | -                                    | 443                         | 286                               | -                        |
| Kaffa                   | -                           | 145                                  | 1,030                       | 296                               | -                        |
| Gamo Gofa               | 445                         | -                                    | 923                         | -                                 | -                        |
| Bench Maji              | -                           | 163                                  | 1,042                       | -                                 | -                        |
| Yem Sp. Wereda          | -                           | -                                    | 270                         | 46                                | 23                       |
| Amaro Sp. Wereda        | -                           | -                                    | 364                         | -                                 | -                        |
| Burji Sp. Wereda        | -                           | -                                    | 13                          | -                                 | -                        |
| Konso Sp. Wereda        | -                           | -                                    | 228                         | 56                                | -                        |
| Derashe Sp. Wereda      | -                           | -                                    | 38                          | -                                 | -                        |
| Dawro                   | -                           | -                                    | -                           | -                                 | -                        |
| Basketo Sp. Wereda      | -                           | -                                    | 74                          | -                                 | -                        |
| Konta Sp. Wereda        | -                           | 31                                   | 136                         | -                                 | -                        |
| Silte                   | -                           | -                                    | 306                         | 698                               | -                        |
| Alaba Sp. Wereda        | 108                         | -                                    | 95                          | -                                 | 165                      |
| <b>Harari</b>           | 97                          | -                                    | 64                          | -                                 | -                        |
| Hundene                 | 97                          | -                                    | 64                          | -                                 | -                        |
| <b>Addis Ababa</b>      | -                           | -                                    | -                           | -                                 | -                        |
| Zone 3                  | -                           | -                                    | -                           | -                                 | -                        |
| Zone 6                  | -                           | -                                    | -                           | -                                 | -                        |
| <b>Dire Dawa</b>        | -                           | 22                                   | 74                          | -                                 | -                        |



**PART II – ESTIMATES FOR RESETTLEMENT AREAS**

**TABLES 4.1– 4.15**

## Part II - Resettlement Areas

TABLE 4-1: NUMBER OF LIVESTOCK BY TYPE OF ANIMAL AND REGION

| Geographic Area         | ALL LIVESTOCK |        |         |        |         |       |        |         |          |
|-------------------------|---------------|--------|---------|--------|---------|-------|--------|---------|----------|
|                         | CATTLE        | SHEEP  | GOATS   | HORSES | DONKEYS | MULES | CAMELS | POULTRY | BEEHIVES |
| <b>Ethiopia</b>         | 98,988        | 12,352 | 115,149 | 8,802  | *       | *     | 984    | 190,278 | 7,894    |
| <b>Tigray</b>           | 24,074        | 925    | 12,826  | 2,167  | -       | -     | 984    | 13,761  | 221      |
| <b>Amhara</b>           | 12,982        | 381    | 9,772   | 3,261  | -       | -     | -      | 27,903  | 1,327    |
| <b>Oromia</b>           | 45,492        | 9,444  | 85,435  | 3,217  | *       | *     | -      | 104,564 | 5,356    |
| <b>Benshangul-Gumuz</b> | *             | 51     | 61      | *      | -       | -     | -      | 272     | 180      |
| <b>SNNP</b>             | 16,437        | 1,550  | 7,056   | 154    | -       | -     | -      | 43,777  | 811      |

TABLE 4-2: NUMBER OF CATTLE BY AGE AND SEX OF ANIMAL, AND REGION

| Geographic Area         | CATTLE     |            |            |              |             |              |            |            |              |             |              |
|-------------------------|------------|------------|------------|--------------|-------------|--------------|------------|------------|--------------|-------------|--------------|
|                         | ALL CATTLE | MALE       |            |              |             |              | FEMALE     |            |              |             |              |
|                         |            | < 6 Months | 6 Mo < 1yr | 1yr - <3 yrs | 3 - <10 yrs | 10 yrs &Over | < 6 Months | 6 Mo < 1yr | 1yr - <3 yrs | 3 - <10 yrs | 10 yrs &Over |
| <b>Ethiopia</b>         | 98,988     | 2,663      | 2,018      | 7,709        | 54,346      | 1,567        | 2,933      | 2,308      | 4,906        | 19,228      | 1,310        |
| <b>Tigray</b>           | 24,074     | 1,390      | 777        | 1,312        | 6,213       | 913          | 1,460      | 794        | 1,847        | 8,378       | 991          |
| <b>Amhara</b>           | 12,982     | 382        | 372        | 568          | 6,321       | 368          | 532        | 559        | 792          | 2,836       | 252          |
| <b>Oromia</b>           | 45,492     | 498        | 492        | 4,919        | 32,488      | 136          | 620        | 412        | 1,431        | 4,486       | *            |
| <b>Benshangul-Gumuz</b> | *          | -          | -          | 1            | *           | -            | -          | -          | -            | -           | -            |
| <b>SNNP</b>             | 16,437     | 393        | 377        | 910          | 9,322       | 150          | 321        | 542        | 835          | 3,530       | *            |

TABLE 4-3: NUMBER OF SHEEP BY AGE AND SEX OF ANIMAL, AND REGION

| Geographic Area  | SHEEP        |            |            |              |             |            |            |              |             |
|------------------|--------------|------------|------------|--------------|-------------|------------|------------|--------------|-------------|
|                  | ALL<br>SHEEP | MALE       |            |              |             | FEMALE     |            |              |             |
|                  |              | < 6 Months | 6 Mo < 1yr | 1yr - <2 yrs | 2 yrs &Over | < 6 Months | 6 Mo < 1yr | 1yr - <2 yrs | 2 yrs &Over |
| Ethiopia         | 12,352       | 1,985      | 720        | 293          | 362         | 1,685      | 867        | 1,226        | 5,213       |
| Tigray           | 925          | 104        | *          | 57           | *           | *          | *          | 86           | 510         |
| Amhara           | 381          | 83         | *          | *            | *           | *          | *          | *            | 136         |
| Oromia           | 9,444        | 1,679      | 503        | 145          | 210         | 1,508      | 570        | 793          | 4,036       |
| Benshangul-Gumuz | 51           | 14         | 5          | -            | -           | 8          | 4          | 3            | 16          |
| SNNP             | 1,550        | 105        | 116        | 81           | 121         | 112        | 203        | 298          | 514         |

TABLE 4-4: NUMBER OF GOATS BY AGE AND SEX OF ANIMAL, AND REGION

| Geographic Area         | GOATS     |            |            |              |             |            |            |              |             |
|-------------------------|-----------|------------|------------|--------------|-------------|------------|------------|--------------|-------------|
|                         | ALL GOATS | MALE       |            |              |             | FEMALE     |            |              |             |
|                         |           | < 6 Months | 6 Mo < 1yr | 1yr - <2 yrs | 2 yrs &Over | < 6 Months | 6 Mo < 1yr | 1yr - <2 yrs | 2 yrs &Over |
| <b>Ethiopia</b>         | 115,149   | 18,114     | 6,064      | 4,542        | 3,587       | 19,281     | 8,777      | 12,957       | 41,828      |
| <b>Tigray</b>           | 12,826    | 1,638      | 569        | 377          | 449         | 1,759      | 1,007      | 1,665        | 5,361       |
| <b>Amhara</b>           | 9,772     | 1,256      | 651        | *            | *           | 1,810      | 840        | 927          | 3,881       |
| <b>Oromia</b>           | 85,435    | 14,536     | 4,460      | 3,536        | 2,552       | 14,854     | 6,305      | 9,415        | 29,778      |
| <b>Benshangul-Gumuz</b> | 61        | 11         | 5          | -            | 1           | 9          | 16         | 2            | 16          |
| <b>SNNP</b>             | 7,056     | 672        | 379        | 309          | 499         | 849        | 608        | 947          | 2,792       |

TABLE 4-5: CATTLE AGED 3 – 10 YEARS BY SEX, PURPOSE, AND REGION

| Geographic Area         | CATTLE AGED 3 – 10 YEARS |         |      |          |       |        |         |      |          |       |
|-------------------------|--------------------------|---------|------|----------|-------|--------|---------|------|----------|-------|
|                         | Total                    | MALE    |      |          |       | FEMALE |         |      |          |       |
|                         |                          | Draught | Beef | Breeding | Other | Milk   | Draught | Beef | Breeding | Other |
| <b>Ethiopia</b>         | 73,574                   | 52,361  | 996  | 486      | 503   | 3,952  | 82      | 79   | 14,486   | 630   |
| <b>Tigray</b>           | 14,591                   | 5,873   | *    | 170      | 158   | 443    | *       | 62   | 7,830    | *     |
| <b>Amhara</b>           | 9,156                    | 6,069   | *    | *        | *     | 233    | *       | -    | 2,495    | *     |
| <b>Oromia</b>           | 36,973                   | 31,350  | 904  | 129      | 105   | 1,118  | *       | *    | 3,201    | 132   |
| <b>Benshangul-Gumuz</b> | *                        | *       | -    | -        | -     | -      | -       | -    | -        | -     |
| <b>SNNP</b>             | 12,852                   | 9,066   | 65   | 94       | 97    | 2,159  | *       | *    | 960      | 392   |

TABLE 4-6: SHEEP AGED 2 YEARS AND OLDER BY SEX, PURPOSE, AND REGION

| Geographic Area  | SHEEP AGED 2 YEARS AND OLDER |             |      |          |       |             |      |          |       |
|------------------|------------------------------|-------------|------|----------|-------|-------------|------|----------|-------|
|                  | Total                        | MALE        |      |          |       | FEMALE      |      |          |       |
|                  |                              | Mutton/Meat | Wool | Breeding | Other | Mutton/Meat | Wool | Breeding | Other |
| Ethiopia         | 5,575                        | 170         | -    | 192      | -     | 27          | 7    | 5,172    | 8     |
| Tigray           | 530                          | -           | -    | *        | -     | -           | -    | 510      | -     |
| Amhara           | 147                          | -           | -    | *        | -     | -           | -    | 136      | -     |
| Oromia           | 4,246                        | 118         | -    | *        | -     | -           | -    | 4,036    | -     |
| Benshangul-Gumuz | 16                           | -           | -    | -        | -     | -           | -    | 16       | -     |
| SNNP             | 635                          | 53          | -    | 68       | -     | 27          | 7    | 473      | 8     |

TABLE 4-7: GOATS AGED 2 YEARS AND OLDER BY SEX, PURPOSE, AND REGION

| Geographic Area  | GOATS AGED 2 YEARS AND OLDER |      |          |       |        |      |          |       |
|------------------|------------------------------|------|----------|-------|--------|------|----------|-------|
|                  | Total                        | MALE |          |       | FEMALE |      |          |       |
|                  |                              | Meat | Breeding | Other | Milk   | Meat | Breeding | Other |
| Ethiopia         | 45,415                       | 987  | 2,561    | *     | 1,696  | 184  | 39,881   | *     |
| Tigray           | 5,810                        | *    | 412      | *     | *      | *    | 5,298    | -     |
| Amhara           | 3,967                        | -    | *        | -     | -      | -    | 3,881    | -     |
| Oromia           | 32,330                       | 680  | 1,842    | *     | 1,642  | 113  | 27,957   | *     |
| Benshangul-Gumuz | 17                           | -    | 1        | -     | -      | -    | 16       | -     |
| SNNP             | 3,291                        | 280  | 219      | -     | *      | *    | 2,729    | -     |

TABLE 4-8: NUMBER OF HORSES AND DONKEYS BY AGE AND SEX OF ANIMAL, AND REGION

| Geographic Area  | HORSES AND DONKEYS |           |              |           |              |                |           |              |           |              |
|------------------|--------------------|-----------|--------------|-----------|--------------|----------------|-----------|--------------|-----------|--------------|
|                  | ALL<br>HORSES      | HORSES    |              |           |              | ALL<br>DONKEYS | DONKEYS   |              |           |              |
|                  |                    | MALE      |              | FEMALE    |              |                | MALE      |              | FEMALE    |              |
|                  |                    | < 3 Years | 3 Yrs & more | < 3 Years | 3 Yrs & more |                | < 3 Years | 3 Yrs & more | < 3 Years | 3 Yrs & more |
| Ethiopia         | *                  | -         | *            | -         | -            | 8,802          | 623       | 6,698        | 333       | 1,148        |
| Tigray           | -                  | -         | -            | -         | -            | 2,167          | 199       | 1,228        | 219       | 521          |
| Amhara           | -                  | -         | -            | -         | -            | 3,261          | 229       | 3,032        | -         | -            |
| Oromia           | *                  | -         | *            | -         | -            | 3,217          | 180       | 2,343        | 114       | 580          |
| Benshangul-Gumuz | -                  | -         | -            | -         | -            | *              | -         | -            | -         | *            |
| SNNP             | -                  | -         | -            | -         | -            | 154            | *         | 95           | -         | 44           |

TABLE 4-9: NUMBER OF MULES AND CAMELS BY AGE AND SEX OF ANIMAL AND REGION

| Geographic Area         | MULES     |           |                   |           |                   | CAMELS     |           |                   |           |                   |
|-------------------------|-----------|-----------|-------------------|-----------|-------------------|------------|-----------|-------------------|-----------|-------------------|
|                         | All Mules | MALE      |                   | FEMALE    |                   | All Camels | MALE      |                   | FEMALE    |                   |
|                         |           | < 3 Years | 3 Years and Older | < 3 Years | 3 Years and Older |            | < 4 Years | 4 Years and Older | < 4 Years | 4 Years and Older |
| <b>Ethiopia</b>         | -         | *         | -                 | *         | -                 | 984        | 45        | 940               | -         | -                 |
| <b>Tigray</b>           | -         | -         | -                 | -         | -                 | 984        | 45        | 940               | -         | -                 |
| <b>Amhara</b>           | -         | -         | -                 | -         | -                 | -          | -         | -                 | -         | -                 |
| <b>Oromia</b>           | -         | *         | -                 | *         | -                 | -          | -         | -                 | -         | -                 |
| <b>Benshangul-Gumuz</b> | -         | -         | -                 | -         | -                 | -          | -         | -                 | -         | -                 |
| <b>SNNP</b>             | -         | -         | -                 | -         | -                 | -          | -         | -                 | -         | -                 |

TABLE 4-10: POULTRY INVENTORY BY TYPE AND REGION

## a.. All

| Geographic Area         | Total Poultry | Cocks  | Cockerels | Pullets | Non-Laying Hens | Chicks | Laying Hens |
|-------------------------|---------------|--------|-----------|---------|-----------------|--------|-------------|
| <b>Ethiopia</b>         | 190,278       | 19,270 | 13,268    | 26,947  | 8,821           | 72,345 | 49,625      |
| <b>Tigray</b>           | 13,761        | 872    | 1,468     | 2,239   | 643             | 5,243  | 3,296       |
| <b>Amhara</b>           | 27,903        | 1,941  | 2,206     | 3,458   | 1,187           | 12,866 | 6,245       |
| <b>Oromia</b>           | 104,564       | 12,151 | 6,385     | 15,284  | 5,243           | 34,218 | 31,284      |
| <b>Benshangul-Gumuz</b> | 272           | 7      | 9         | 17      | 5               | 175    | 59          |
| <b>SNNP</b>             | 43,777        | 4,299  | 3,201     | 5,950   | 1,744           | 19,844 | 8,741       |

## b. Indigenous

| Geographic Area         | Total Poultry | Cocks  | Cockerels | Pullets | Non-Laying Hens | Chicks | Laying Hens |
|-------------------------|---------------|--------|-----------|---------|-----------------|--------|-------------|
| <b>Ethiopia</b>         | 170,592       | 15,432 | 11,658    | 22,936  | 7,844           | 69,134 | 43,588      |
| <b>Tigray</b>           | 11,211        | 664    | 1,207     | 1,711   | 452             | 4,536  | 2,642       |
| <b>Amhara</b>           | 26,473        | 1,705  | 2,137     | 3,381   | 1,187           | 12,420 | 5,645       |
| <b>Oromia</b>           | 90,075        | 9,093  | 5,168     | 12,102  | 4,463           | 32,455 | 26,794      |
| <b>Benshangul-Gumuz</b> | 272           | 7      | 9         | 17      | 5               | 175    | 59          |
| <b>SNNP</b>             | 42,560        | 3,963  | 3,138     | 5,725   | 1,737           | 19,549 | 8,449       |

## c. Hybrid

| Geographic Area         | Total Poultry | Cocks | Cockerels | Pullets | Non-Laying Hens | Chicks | Laying Hens |
|-------------------------|---------------|-------|-----------|---------|-----------------|--------|-------------|
| <b>Ethiopia</b>         | 9,951         | 1,299 | 961       | 1,980   | 294             | 2,997  | 2,420       |
| <b>Tigray</b>           | 2,397         | 176   | 261       | 499     | 169             | 697    | 594         |
| <b>Amhara</b>           | 1,085         | 91    | *         | *       | -               | 446    | 446         |
| <b>Oromia</b>           | 5,397         | 740   | 609       | 1,241   | 118             | 1,578  | 1,111       |
| <b>Benshangul-Gumuz</b> | -             | -     | -         | -       | -               | -      | -           |
| <b>SNNP</b>             | 1,073         | 292   | *         | 194     | *               | 276    | 268         |

## d. Exotic

| Geographic Area         | Total Poultry | Cocks | Cockerels | Pullets | Non-Laying Hens | Chicks | Laying Hens |
|-------------------------|---------------|-------|-----------|---------|-----------------|--------|-------------|
| <b>Ethiopia</b>         | 9,734         | 2,540 | 649       | 2,031   | 683             | *      | 3,617       |
| <b>Tigray</b>           | 154           | *     | -         | *       | *               | *      | 60          |
| <b>Amhara</b>           | 345           | 146   | *         | *       | -               | -      | 154         |
| <b>Oromia</b>           | 9,091         | 2,317 | *         | 1,940   | 661             | *      | 3,379       |
| <b>Benshangul-Gumuz</b> | -             | -     | -         | -       | -               | -      | -           |
| <b>SNNP</b>             | 144           | 44    | *         | 31      | -               | *      | 24          |

TABLE 4-11: BEEHIVE INVENTORY AND PRODUCTION OF HONEY BY TYPE AND REGION

| Geographic Area         | All Beehives    |                               | Traditional Beehives |                              |                               | Intermediate Beehives |                              |                               | Modern Beehives |                              |                               |
|-------------------------|-----------------|-------------------------------|----------------------|------------------------------|-------------------------------|-----------------------|------------------------------|-------------------------------|-----------------|------------------------------|-------------------------------|
|                         | Number of hives | Total annual honey production | Number of hives      | Avg. frequency of production | Total annual honey production | Number of hives       | Avg. frequency of production | Total annual honey production | Number of hives | Avg. frequency of production | Total annual honey production |
| <b>Ethiopia</b>         | 7,894           | 37,622                        | 7,757                | 1.45                         | 37,354                        | *                     | *                            | *                             | *               | *                            | *                             |
| <b>Tigray</b>           | 221             | 874                           | 221                  | 1.24                         | 874                           | -                     | -                            | -                             | -               | -                            | -                             |
| <b>Amhara</b>           | 1,327           | 10,438                        | 1,255                | 1.7                          | 10,402                        | *                     | *                            | *                             | -               | -                            | -                             |
| <b>Oromia</b>           | 5,356           | 19,179                        | 5,292                | 1.35                         | 18,972                        | *                     | -                            | -                             | *               | *                            | *                             |
| <b>Benshangul-Gumuz</b> | 180             | 358                           | 180                  | 1                            | 358                           | -                     | -                            | -                             | -               | -                            | -                             |
| <b>SNNP</b>             | 811             | 6,773                         | 809                  | 1.87                         | 6,748                         | *                     | *                            | *                             | -               | -                            | -                             |

TABLE 4-12: NUMBER OF DAIRY ANIMALS, MILK PRODUCTION, AND LACTATION PERIOD BY REGION

| Geographic Area         | Number Of Dairy Cows | Number Of Milking Cows | Average Daily Milk Prod. | Average Lactation Period (Months) | Total Milk Production (Lt) | Number Of Dairy Camels | Number Of Milking Camels | Average Daily Milk Prod. | Average Lactation Period (Months) | Total Milk Production (Lt) |
|-------------------------|----------------------|------------------------|--------------------------|-----------------------------------|----------------------------|------------------------|--------------------------|--------------------------|-----------------------------------|----------------------------|
| <b>Ethiopia</b>         | 3,952                | 10,193                 | 1.565                    | 5                                 | 3,113,945                  | -                      | -                        | -                        | -                                 | -                          |
| <b>Tigray</b>           | 443                  | 4,712                  | 1.877                    | 5                                 | 1,765,137                  | -                      | -                        | -                        | -                                 | -                          |
| <b>Amhara</b>           | 233                  | 2,170                  | 1.519                    | 5                                 | 522,184                    | -                      | -                        | -                        | -                                 | -                          |
| <b>Oromia</b>           | 1,118                | 1,662                  | 1.43                     | 5                                 | 451,021                    | -                      | -                        | -                        | -                                 | -                          |
| <b>Benshangul-Gumuz</b> | -                    | -                      | -                        | -                                 | -                          | -                      | -                        | -                        | -                                 | -                          |
| <b>SNNP</b>             | 2,159                | 1,649                  | 1.144                    | 5                                 | 375,604                    | -                      | -                        | -                        | -                                 | -                          |

TABLE 4-13: TOTAL EGG PRODUCTION BY REGION

## a. Indigenous

| Geographic Area         | Total Laying Hens | Average Number of Egg-laying period/Year | Average Length of a Period | Average Number of Eggs /Hen /Period | Total Egg Production (Number) |
|-------------------------|-------------------|--|----------------------------|-------------------------------------|-------------------------------|
| <b>Ethiopia</b>         | 43,588            | 4  | 20                         | 12                                  | 256,339                       |
| <b>Tigray</b>           | 2,642             | 5  | 18                         | 13                                  | 20,556                        |
| <b>Amhara</b>           | 5,645             | 4  | 18                         | 12                                  | 36,724                        |
| <b>Oromia</b>           | 26,794            | 3  | 22                         | 12                                  | 152,632                       |
| <b>Benshangul-Gumuz</b> | 59                | 4  | 23                         | 12                                  | 328                           |
| <b>SNNP</b>             | 8,449             | 4  | 18                         | 11                                  | 46,099                        |

## b. Hybrid

| Geographic Area         | Total Laying Hens | Average Number of Egg-laying period/Year | Average Length of a Period | Average Number of Eggs /Hen /Period | Total Egg Production (Number) |
|-------------------------|-------------------|--|----------------------------|-------------------------------------|-------------------------------|
| <b>Ethiopia</b>         | 2,420             | 5  | 24                         | 20                                  | 25,452                        |
| <b>Tigray</b>           | 594               | 5  | 16                         | 16                                  | 6,228                         |
| <b>Amhara</b>           | 446               | 6  | 21                         | 18                                  | 8,413                         |
| <b>Oromia</b>           | 1,111             | 4  | 24                         | 19                                  | 8,523                         |
| <b>Benshangul-Gumuz</b> | *                 | 3  | 19                         | 12                                  | 4                             |
| <b>SNNP</b>             | 268               | 4  | 54                         | 41                                  | 2,284                         |

c. Exotic

| Geographic Area         | Total Laying Hens | Average Number of Egg-laying period/Year | Average Length of a Period | Average Number of Eggs /Hen /Period | Total Egg Production (Number) |
|-------------------------|-------------------|--|----------------------------|-------------------------------------|-------------------------------|
| <b>Ethiopia</b>         | 3,617             | 1  | 55                         | 56                                  | 30,387                        |
| <b>Tigray</b>           | 60                | 1  | *                          | *                                   | *                             |
| <b>Amhara</b>           | 154               | 1  | *                          | *                                   | *                             |
| <b>Oromia</b>           | 3,379             | 1  | 53                         | 56                                  | 29,120                        |
| <b>Benshangul-Gumuz</b> | -                 | -  | -                          | -                                   | -                             |
| <b>SNNP</b>             | 24                | 1  | *                          | *                                   | *                             |

TABLE 4 – 14: ESTIMATED NUMBER OF VACCINATED, AFFLICTED AND TREATED LIVESTOCK

a. Cattle

| Geographic Area         | Vaccinated | Afflicted | Treated |
|-------------------------|------------|-----------|---------|
| <b>Ethiopia</b>         | 64,117     | 32,481    | 21,063  |
| <b>Tigray</b>           | 4,955      | 2,281     | 991     |
| <b>Amhara</b>           | 5,757      | 2,767     | 870     |
| <b>Oromia</b>           | 41,156     | 16,144    | 11,217  |
| <b>Benshangul-Gumuz</b> | -          | *         | -       |
| <b>SNNP</b>             | 12,249     | 11,284    | 7,985   |

b. Sheep and Goats

| Geographic Area         | Sheep      |           |         | Goats      |           |         |
|-------------------------|------------|-----------|---------|------------|-----------|---------|
|                         | Vaccinated | Afflicted | Treated | Vaccinated | Afflicted | Treated |
| <b>Ethiopia</b>         | 1,702      | 5,068     | 2,090   | 49,659     | 66,362    | 30,056  |
| <b>Tigray</b>           | *          | *         | *       | 1,333      | 2,560     | 1,437   |
| <b>Amhara</b>           | *          | *         | -       | 1,509      | 2,355     | *       |
| <b>Oromia</b>           | 1,455      | 4,063     | 1,746   | 46,354     | 59,308    | 27,844  |
| <b>Benshangul-Gumuz</b> | -          | 46        | -       | -          | 84        | -       |
| <b>SNNP</b>             | 171        | 534       | 277     | 462        | 2,054     | 380     |

TABLE 4 – 15: ESTIMATED NUMBER OF HOLDERS PRACTICED LIVESTOCK EXTENSION PACKAGES DURING THE REFERENCE PERIOD BY REGION

| Geographic Area         | Number of Holders Practiced |                                      |                             |                                   |                          |
|-------------------------|-----------------------------|--------------------------------------|-----------------------------|-----------------------------------|--------------------------|
|                         | Dairy Development Package   | Beef/Meat/Mutton Development Package | Poultry Development Package | Honey and Wax Development Package | Any Two or More Packages |
| <b>Ethiopia</b>         | 234                         | 44                                   | 1,041                       | 23                                | 35                       |
| <b>Tigray</b>           | 234                         | 17                                   | 2                           | -                                 | 35                       |
| <b>Amhara</b>           | -                           | -                                    | -                           | -                                 | -                        |
| <b>Oromia</b>           | -                           | 27                                   | 986                         | 17                                | -                        |
| <b>Benshangul-Gumuz</b> | -                           | -                                    | -                           | -                                 | -                        |
| <b>SNNP</b>             | -                           | -                                    | 52                          | 6                                 | -                        |

**ANNEX TABLES PRESENTING  
ESTIMATES, STANDARD ERRORS, AND COEFFICIENTS OF VARIATION  
FOR  
SELECTED LIVESTOCK VARIABLES**

**[Annex Tables 1 –10]**

Annex Table 1- Estimates of Livestock, Standard Errors and Coefficients of Variation by Type, and Region

| Geographic Area       | CATTLE     |         |       | SHEEP      |         |       | GOATS      |         |       |
|-----------------------|------------|---------|-------|------------|---------|-------|------------|---------|-------|
|                       | Number     | SE      | CV    | Number     | SE      | CV    | Number     | SE      | CV    |
| Ethiopia .....        | 40,380,098 | 539,359 | 1.34  | 20,733,913 | 588,980 | 2.84  | 16,364,048 | 456,168 | 2.79  |
| Tigray .....          | 2,646,240  | 98,162  | 3.71  | 814,472    | 69,390  | 8.52  | 2,412,633  | 157,828 | 6.54  |
| Afar .....            | 317,108    | 50,808  | 16.02 | 156,880    | 30,498  | 19.44 | 411,047    | 71,523  | 17.40 |
| Amhara .....          | 10,090,283 | 267,850 | 2.65  | 7,530,899  | 442,942 | 5.88  | 4,866,244  | 266,008 | 5.47  |
| Oromia.....           | 18,293,462 | 409,255 | 2.24  | 8,094,017  | 353,127 | 4.36  | 5,469,074  | 251,783 | 4.60  |
| Somali .....          | 520,902    | 51,259  | 9.84  | 594,289    | 75,482  | 12.7  | 668,619    | 81,973  | 12.26 |
| Benshangul-Gumuz..... | 350,393    | 33,315  | 9.51  | 68,982     | 7,424   | 10.76 | 314,338    | 22,300  | 7.09  |
| SNNP .....            | 8,059,610  | 188,916 | 2.34  | 3,404,648  | 119,955 | 3.52  | 2,061,136  | 190,541 | 9.24  |
| Gambella .....        | NA         | NA      | NA    | NA         | NA      | NA    | NA         | NA      | NA    |
| Harari.....           | 37,395     | 3,715   | 9.94  | 4,501      | 538     | 11.95 | 32,782     | 2,626   | 8.01  |
| Addis Ababa.....      | 26,266     | 1,446   | 5.51  | 11,052     | 834     | 7.54  | 4,079      | 469     | 11.50 |
| Dire Dawa .....       | 38,439     | 3,779   | 9.83  | 54,173     | 10,630  | 19.62 | 124,094    | 19,476  | 15.69 |

Annex Table 1-Cont'd

| Geographic Area        | HORSES    |        |       | DONKEYS   |        |       | MULES   |        |        | CAMELS  |        |       |
|------------------------|-----------|--------|-------|-----------|--------|-------|---------|--------|--------|---------|--------|-------|
|                        | Number    | SE     | CV    | Number    | SE     | CV    | Number  | SE     | CV     | Number  | SE     | CV    |
| Ethiopia .....         | 1,569,350 | 83,447 | 5.32  | 4,289,344 | 78,461 | 1.83  | 340,636 | 15,090 | 4.43   | 437,606 | 51,332 | 11.73 |
| Tigray.....            | 1,894     | 541    | 28.58 | 389,556   | 16,107 | 4.13  | 7,901   | 1,536  | 19.44  | 33,761  | 6,509  | 19.28 |
| Afar .....             | -         | -      | -     | 12,834    | 2,325  | 18.12 | 150     | 66     | 43.8   | 112,131 | 27,507 | 24.53 |
| Amhara .....           | 289,895   | 32,828 | 11.32 | 1,517,152 | 45,662 | 3.01  | 102,580 | 9,273  | 9.04   | 14,678  | 2,982  | 20.32 |
| Oromia .....           | 969,070   | 71,017 | 7.33  | 1,914,442 | 58,524 | 3.06  | 166,984 | 11,033 | 6.61   | 121,970 | 26,936 | 22.08 |
| Somali .....           | 70        | 69     | 99.42 | 89,337    | 9,979  | 11.17 | -       | -      | -      | 145,073 | 33,121 | 22.83 |
| Benshangul-Gumuz ..... | 881       | 581    | 65.95 | 39,925    | 2,902  | 7.27  | 1,501   | 350    | 23.33  | -       | -      | -     |
| SNNP .....             | 307,104   | 29,010 | 9.45  | 302,951   | 16,449 | 5.43  | 61,135  | 4,183  | 6.84   | 1,763   | 1,216  | 68.93 |
| Gambella.....          | NA        | NA     | NA    | NA        | NA     | NA    | NA      | NA     | NA     | NA      | NA     | NA    |
| Harari .....           | -         | -      | -     | 6,985     | 970    | 13.89 | 20      | 22     | 107.02 | 1,820   | 1,001  | 55.01 |
| Addis Ababa .....      | 437       | 74     | 16.84 | 6,078     | 312    | 5.13  | 364     | 75     | 20.72  | -       | -      | -     |
| Dire Dawa.....         | -         | -      | -     | 10,083    | 1,293  | 12.83 | -       | -      | -      | 6,409   | 1,462  | 22.8  |



Annex Table 2- Estimates of Cattle, Standard Errors and Coefficients of Variation by Age group, and Region

**Male Cattle**

| Geographic Area        | <6MONTHS  |        |       | 6MONTHS -<1YEAR |        |       | 1-<3YEARS |        |       | 3-<10YEARS |         |       | 10YEARS & OLDER |        |       |
|------------------------|-----------|--------|-------|-----------------|--------|-------|-----------|--------|-------|------------|---------|-------|-----------------|--------|-------|
|                        | Number    | SE     | CV    | Number          | SE     | CV    | Number    | SE     | CV    | Number     | SE      | CV    | Number          | SE     | CV    |
| Ethiopia .....         | 1,850,628 | 37,829 | 2.04  | 1,530,558       | 31,314 | 2.05  | 2,799,692 | 51,962 | 1.86  | 11,255,560 | 148,363 | 1.32  | 677,523         | 32,910 | 4.86  |
| Tigray.....            | 120,646   | 7,706  | 6.39  | 88,905          | 5,588  | 6.29  | 185,054   | 9,623  | 5.20  | 821,940    | 24,858  | 3.02  | 83,755          | 8,191  | 9.78  |
| Afar .....             | 16,041    | 2,791  | 17.4  | 13,008          | 2,041  | 15.69 | 13,978    | 2,415  | 17.28 | 26,990     | 4,180   | 15.49 | 1,579           | 680    | 43.06 |
| Amhara .....           | 396,128   | 18,529 | 4.68  | 280,998         | 14,023 | 4.99  | 689,697   | 27,966 | 4.05  | 3,518,282  | 82,250  | 2.34  | 310,473         | 21,183 | 6.82  |
| Oromia .....           | 855,525   | 28,357 | 3.31  | 749,202         | 24,915 | 3.33  | 1,274,636 | 38,396 | 3.01  | 5,121,609  | 112,104 | 2.19  | 243,309         | 23,347 | 9.60  |
| Somali .....           | 42,696    | 5,384  | 12.61 | 21,108          | 3,311  | 15.69 | 34,610    | 5,077  | 14.67 | 73,522     | 6,499   | 8.84  | 2,138           | 1,704  | 79.68 |
| Benshangul-Gumuz ..... | 18,849    | 2,681  | 14.22 | 16,450          | 1,610  | 9.79  | 28,565    | 3,586  | 12.55 | 90,803     | 8,195   | 9.02  | 3,397           | 935    | 27.52 |
| SNNP .....             | 395,420   | 13,416 | 3.39  | 356,417         | 10,681 | 3.00  | 563,649   | 17,495 | 3.10  | 1,580,864  | 43,959  | 2.78  | 31,783          | 4,232  | 13.31 |
| Gambella.....          | NA        | NA     | NA    | NA              | NA     | NA    | NA        | NA     | NA    | NA         | NA      | NA    | NA              | NA     | NA    |
| Harari .....           | 2,268     | 321    | 14.14 | 1,907           | 282    | 14.80 | 3,748     | 401    | 10.70 | 5,523      | 944     | 17.09 | 22              | 21     | 97.66 |
| Addis Ababa .....      | 620       | 73     | 11.82 | 787             | 89     | 11.27 | 1,613     | 143    | 8.88  | 10,695     | 795     | 7.43  | 1,067           | 164    | 15.35 |
| Dire Dawa.....         | 2,435     | 359    | 14.73 | 1,776           | 256    | 14.42 | 4,141     | 650    | 15.69 | 5,333      | 666     | 12.49 | -               | -      | -     |

Annex Table 2- Cont'd

**Female Cattle**

| Geographic Area        | <6MONTHS  |        |       | 6MONTHS -<1YEAR |        |       | 1-<3YEARS |        |       | 3-<10YEARS |         |       | 10YEARS & OLDER |        |       |
|------------------------|-----------|--------|-------|-----------------|--------|-------|-----------|--------|-------|------------|---------|-------|-----------------|--------|-------|
|                        | Number    | SE     | CV    | Number          | SE     | CV    | Number    | SE     | CV    | Number     | SE      | CV    | Number          | SE     | CV    |
| Ethiopia .....         | 1,951,981 | 40,738 | 2.09  | 1,646,888       | 35,185 | 2.14  | 3,503,410 | 63,040 | 1.8   | 14,518,097 | 220,131 | 1.52  | 645,762         | 27,817 | 4.31  |
| Tigray.....            | 135,461   | 8,142  | 6.01  | 87,072          | 6,448  | 7.41  | 195,022   | 11,490 | 5.89  | 870,034    | 35,714  | 4.1   | 58,349          | 6,425  | 11.01 |
| Afar .....             | 27,369    | 5,023  | 18.35 | 24,780          | 4,585  | 18.5  | 33,779    | 6,626  | 19.62 | 156,106    | 25,549  | 16.37 | 3,477           | 1,316  | 37.83 |
| Amhara .....           | 421,091   | 19,614 | 4.66  | 307,967         | 15,692 | 5.1   | 760,561   | 28,070 | 3.69  | 3,207,410  | 97,997  | 3.06  | 197,676         | 15,332 | 7.76  |
| Oromia .....           | 896,051   | 30,951 | 3.45  | 797,365         | 27,859 | 3.49  | 1,606,845 | 47,890 | 2.98  | 6,507,287  | 169,702 | 2.61  | 241,634         | 15,927 | 6.59  |
| Somali .....           | 50,379    | 6,044  | 12    | 23,991          | 3,910  | 16.3  | 47,403    | 7,443  | 15.7  | 219,995    | 18,928  | 8.6   | 5,059           | 1,681  | 33.22 |
| Benshangul-Gumuz ..... | 17,096    | 2,630  | 15.38 | 17,859          | 1,982  | 11.1  | 36,495    | 4,354  | 11.93 | 116,908    | 10,539  | 9.02  | 3,972           | 1,166  | 29.36 |
| SNNP .....             | 398,693   | 13,478 | 3.38  | 383,782         | 11,563 | 3.01  | 812,413   | 25,325 | 3.12  | 3,402,020  | 87,479  | 2.57  | 134,569         | 15,421 | 11.46 |
| Gambella.....          | NA        | NA     | NA    | NA              | NA     | NA    | NA        | NA     | NA    | NA         | NA      | NA    | NA              | NA     | NA    |
| Harari .....           | 2,574     | 353    | 13.71 | 1,556           | 185    | 11.9  | 4,329     | 587    | 13.55 | 15,025     | 1,677   | 11.16 | 443             | 186    | 41.91 |
| Addis Ababa .....      | 706       | 88     | 12.46 | 1,004           | 99     | 9.9   | 1,639     | 145    | 8.83  | 7,888      | 425     | 5.39  | 246             | 63     | 25.59 |
| Dire Dawa.....         | 2,561     | 414    | 16.17 | 1,512           | 214    | 14.14 | 4,923     | 811    | 16.48 | 15,425     | 1,508   | 9.78  | 335             | 120    | 35.77 |

Annex Table 3- Estimates of Sheep, Standard Errors and Coefficients of Variation by Age group, and Region

**Male Sheep**

| Geographic Area        | <6MONTHS  |        |       | 6MONTHS - <1YEAR |        |       | 1-<2YEARS |        |       | 2 YEARS & OLDER |        |       |
|------------------------|-----------|--------|-------|------------------|--------|-------|-----------|--------|-------|-----------------|--------|-------|
|                        | Number    | SE     | CV    | Number           | SE     | CV    | Number    | SE     | CV    | Number          | SE     | CV    |
| Ethiopia .....         | 2,899,058 | 90,523 | 3.12  | 808,350          | 29,458 | 3.64  | 655,957   | 38,336 | 5.84  | 976,144         | 48,822 | 5.00  |
| Tigray.....            | 99,268    | 9,902  | 9.98  | 37,262           | 3,883  | 10.42 | 24,696    | 3,722  | 15.07 | 47,338          | 6,037  | 12.75 |
| Afar .....             | 11,061    | 1,860  | 16.82 | 8,193            | 1,546  | 18.87 | 6,644     | 1,318  | 19.84 | 13,698          | 2,833  | 20.68 |
| Amhara .....           | 999,291   | 61,695 | 6.17  | 258,999          | 20,080 | 7.75  | 246,990   | 33,812 | 13.69 | 414,224         | 39,390 | 9.51  |
| Oromia .....           | 1,283,986 | 62,627 | 4.88  | 335,138          | 18,908 | 5.64  | 237,033   | 15,086 | 6.36  | 280,885         | 23,497 | 8.37  |
| Somali .....           | 68,604    | 9,372  | 13.66 | 25,350           | 4,970  | 19.61 | 27,461    | 6,226  | 22.67 | 56,061          | 9,378  | 16.73 |
| Benshangul-Gumuz ..... | 10,084    | 1,001  | 9.93  | 4,468            | 594    | 13.29 | 3,276     | 642    | 19.61 | 3,185           | 651    | 20.43 |
| SNNP .....             | 419,272   | 16,583 | 3.96  | 134,900          | 7,984  | 5.92  | 106,057   | 6,610  | 6.23  | 155,971         | 12,068 | 7.74  |
| Gambella.....          | NA        | NA     | NA    | NA               | NA     | NA    | NA        | NA     | NA    | NA              | NA     | NA    |
| Harari .....           | 381       | 97     | 25.40 | 205              | 57     | 28.00 | 410       | 120    | 29.19 | 442             | 118    | 26.66 |
| Addis Ababa .....      | 1,463     | 154    | 10.56 | 460              | 85     | 18.46 | 298       | 74     | 24.94 | 512             | 92     | 17.96 |
| Dire Dawa.....         | 5,648     | 769    | 13.61 | 3,374            | 870    | 25.80 | 3,093     | 529    | 17.11 | 3,827           | 1,185  | 30.95 |

Annex Table 3-Cont'd

**Female Sheep**

| Geographic Area        | <6MONTHS  |        |       | 6MONTHS - <1YEAR |        |       | 1-<2YEARS |        |       | 2 YEARS & OLDER |         |       |
|------------------------|-----------|--------|-------|------------------|--------|-------|-----------|--------|-------|-----------------|---------|-------|
|                        | Number    | SE     | CV    | Number           | SE     | CV    | Number    | SE     | CV    | Number          | SE      | CV    |
| Ethiopia .....         | 3,062,854 | 97,458 | 3.18  | 1,162,154        | 38,694 | 3.33  | 1,539,091 | 50,352 | 3.27  | 9,630,305       | 283,121 | 2.94  |
| Tigray.....            | 91,492    | 9,224  | 10.08 | 55,090           | 6,146  | 11.16 | 73,123    | 8,681  | 11.87 | 386,202         | 32,974  | 8.54  |
| Afar .....             | 19,105    | 4,029  | 21.09 | 16,693           | 4,189  | 25.09 | 19,735    | 5,285  | 26.78 | 61,750          | 11,284  | 18.27 |
| Amhara .....           | 1,071,340 | 65,737 | 6.14  | 374,119          | 25,180 | 6.73  | 534,736   | 36,464 | 6.82  | 3,631,200       | 217,311 | 5.98  |
| Oromia .....           | 1,302,374 | 67,035 | 5.15  | 465,863          | 25,883 | 5.56  | 568,169   | 28,795 | 5.07  | 3,620,568       | 165,412 | 4.57  |
| Somali .....           | 69,414    | 12,759 | 18.38 | 33,187           | 5,423  | 16.34 | 49,308    | 9,138  | 18.53 | 264,906         | 33,386  | 12.6  |
| Benshangul-Gumuz ..... | 9,287     | 1,382  | 14.88 | 4,870            | 773    | 15.87 | 5,930     | 725    | 12.23 | 27,881          | 3,656   | 13.11 |
| SNNP .....             | 491,412   | 20,381 | 4.15  | 206,738          | 10,241 | 4.95  | 282,377   | 13,722 | 4.86  | 1,607,921       | 56,657  | 3.52  |
| Gambella.....          | NA        | NA     | NA    | NA               | NA     | NA    | NA        | NA     | NA    | NA              | NA      | NA    |
| Harari .....           | 663       | 163    | 24.61 | 152              | 60     | 39.47 | 410       | 97     | 23.56 | 1,839           | 269     | 14.61 |
| Addis Ababa .....      | 1,528     | 146    | 9.54  | 832              | 123    | 14.78 | 704       | 105    | 14.94 | 5,254           | 408     | 7.76  |
| Dire Dawa.....         | 6,238     | 1,216  | 19.5  | 4,609            | 1,727  | 37.47 | 4,599     | 964    | 20.96 | 22,785          | 4,362   | 19.15 |

Annex Table 4- Estimates of Goats, Standard Errors and Coefficients of Variation by Age group, and Region

## Male Goats

| Geographic Area        | <6MONTHS  |        |       | 6MONTHS - <1YEAR |        |       | 1-<2YEARS |        |       | 2 YEARS & OLDER |        |       |
|------------------------|-----------|--------|-------|------------------|--------|-------|-----------|--------|-------|-----------------|--------|-------|
|                        | Number    | SE     | CV    | Number           | SE     | CV    | Number    | SE     | CV    | Number          | SE     | CV    |
| Ethiopia .....         | 2,119,349 | 60,194 | 2.84  | 865,829          | 31,871 | 3.68  | 726,051   | 30,896 | 4.26  | 1,223,235       | 52,098 | 4.26  |
| Tigray.....            | 258,379   | 17,597 | 6.81  | 127,825          | 10,543 | 8.25  | 105,379   | 9,647  | 9.15  | 186,285         | 17,285 | 9.28  |
| Afar .....             | 28,774    | 4,221  | 14.67 | 20,701           | 3,622  | 17.49 | 18,567    | 3,382  | 18.21 | 33,743          | 7,331  | 21.73 |
| Amhara .....           | 668,964   | 40,009 | 5.98  | 246,445          | 19,075 | 7.74  | 219,370   | 18,259 | 8.32  | 441,184         | 34,390 | 7.79  |
| Oromia .....           | 779,425   | 36,758 | 4.72  | 300,415          | 17,804 | 5.93  | 232,761   | 15,103 | 6.49  | 321,053         | 24,216 | 7.54  |
| Somali .....           | 63,891    | 7,612  | 11.91 | 33,002           | 5,512  | 16.7  | 36,381    | 8,163  | 22.44 | 67,420          | 11,879 | 17.62 |
| Benshangul-Gumuz ..... | 49,436    | 3,799  | 7.68  | 19,295           | 1,938  | 10.04 | 13,019    | 1,036  | 7.96  | 14,531          | 1,077  | 7.41  |
| SNNP .....             | 251,358   | 16,339 | 6.5   | 110,990          | 13,261 | 11.95 | 93,039    | 14,830 | 15.94 | 150,561         | 21,145 | 14.04 |
| Gambella.....          | NA        | NA     | NA    | NA               | NA     | NA    | NA        | NA     | NA    | NA              | NA     | NA    |
| Harari .....           | 4,347     | 540    | 12.43 | 2,047            | 277    | 13.51 | 2,264     | 355    | 15.7  | 1,060           | 198    | 18.66 |
| Addis Ababa .....      | 689       | 130    | 18.86 | 242              | 59     | 24.43 | 150       | 39     | 25.95 | 138             | 41     | 29.67 |
| Dire Dawa.....         | 14,085    | 2,093  | 14.86 | 4,868            | 743    | 15.26 | 5,120     | 900    | 17.58 | 7,261           | 1,808  | 24.89 |

Annex Table 4 – Cont'd

## Female Goats

| Geographic Area        | <6MONTHS  |        |       | 6MONTHS - <1YEAR |        |       | 1-<2YEARS |        |       | 2 YEARS & OLDER |         |       |
|------------------------|-----------|--------|-------|------------------|--------|-------|-----------|--------|-------|-----------------|---------|-------|
|                        | Number    | SE     | CV    | Number           | SE     | CV    | Number    | SE     | CV    | Number          | SE      | CV    |
| Ethiopia .....         | 2,251,631 | 66,176 | 2.94  | 1,144,709        | 42,427 | 3.71  | 1,366,362 | 52,159 | 3.82  | 6,666,882       | 184,886 | 2.77  |
| Tigray.....            | 293,359   | 19,841 | 6.76  | 200,131          | 18,523 | 9.26  | 246,903   | 26,146 | 10.59 | 994,373         | 59,477  | 5.98  |
| Afar .....             | 54,293    | 9,812  | 18.07 | 44,002           | 8,557  | 19.45 | 45,327    | 9,078  | 20.03 | 165,641         | 29,538  | 17.83 |
| Amhara .....           | 686,406   | 41,108 | 5.99  | 303,212          | 22,684 | 7.48  | 365,241   | 25,790 | 7.06  | 1,935,423       | 103,476 | 5.35  |
| Oromia .....           | 812,569   | 41,125 | 5.06  | 364,459          | 21,958 | 6.02  | 422,243   | 24,261 | 5.75  | 2,236,149       | 110,714 | 4.95  |
| Somali .....           | 76,933    | 9,653  | 12.55 | 45,500           | 6,151  | 13.52 | 61,086    | 10,238 | 16.76 | 284,406         | 32,493  | 11.42 |
| Benshangul-Gumuz ..... | 47,047    | 4,247  | 9.03  | 25,682           | 2,290  | 8.92  | 31,039    | 3,351  | 10.8  | 114,290         | 7,650   | 6.69  |
| SNNP .....             | 261,199   | 19,808 | 7.58  | 149,985          | 18,453 | 12.3  | 176,776   | 23,948 | 13.55 | 867,228         | 74,989  | 8.65  |
| Gambella.....          | NA        | NA     | NA    | NA               | NA     | NA    | NA        | NA     | NA    | NA              | NA      | NA    |
| Harari .....           | 4,315     | 464    | 10.75 | 2,133            | 320    | 14.99 | 2,687     | 330    | 12.27 | 13,929          | 1,178   | 8.45  |
| Addis Ababa .....      | 806       | 128    | 15.94 | 268              | 73     | 27.08 | 200       | 48     | 24.17 | 1,586           | 185     | 11.7  |
| Dire Dawa.....         | 14,704    | 2,098  | 14.27 | 9,337            | 1,817  | 19.46 | 14,860    | 3,337  | 22.46 | 53,858          | 8,298   | 15.41 |

Annex Table 5- Estimates of Horses, Standard Errors and Coefficients of Variation by Age group, and Region

| Geographic Area        | MALE    |        |       |                |        |       | FEMALE  |        |       |                |        |       |
|------------------------|---------|--------|-------|----------------|--------|-------|---------|--------|-------|----------------|--------|-------|
|                        | <3YEARS |        |       | 3YEARS & OLDER |        |       | <3YEARS |        |       | 3YEARS & OLDER |        |       |
|                        | Number  | SE     | CV    | Number         | SE     | CV    | Number  | SE     | CV    | Number         | SE     | CV    |
| Ethiopia .....         | 164,853 | 11,314 | 6.86  | 598,085        | 31,822 | 5.32  | 174,361 | 12,849 | 7.37  | 632,052        | 37,315 | 5.9   |
| Tigray.....            | 155     | 85     | 55.24 | 841            | 327    | 38.87 | 330     | 186    | 56.38 | 569            | 217    | 38.19 |
| Afar .....             | -       | -      | -     | -              | -      | -     | -       | -      | -     | -              | -      | -     |
| Amhara .....           | 27,691  | 3,919  | 14.15 | 105,195        | 13,693 | 13.02 | 30,760  | 5,266  | 17.12 | 126,250        | 16,142 | 12.79 |
| Oromia .....           | 108,115 | 9,939  | 9.19  | 370,656        | 26,522 | 7.16  | 112,117 | 11,060 | 9.86  | 378,182        | 30,546 | 8.08  |
| Somali .....           | 70      | 69     | 99.42 | -              | -      | -     | -       | -      | -     | -              | -      | -     |
| Benshangul-Gumuz ..... | 74      | 71     | 95.61 | 450            | 310    | 68.84 | 209     | 149    | 71.58 | 148            | 139    | 93.98 |
| SNNP .....             | 28,730  | 3,722  | 12.95 | 120,555        | 11,022 | 9.14  | 30,936  | 3,873  | 12.52 | 126,883        | 14,097 | 11.11 |
| Gambella.....          | NA      | NA     | NA    | NA             | NA     | NA    | NA      | NA     | NA    | NA             | NA     | NA    |
| Harari .....           | -       | -      | -     | -              | -      | -     | -       | -      | -     | -              | -      | -     |
| Addis Ababa .....      | 20      | 13     | 64.49 | 387            | 65     | 16.89 | 10      | 6      | 62.64 | 20             | 9      | 43.6  |
| Dire Dawa.....         | -       | -      | -     | -              | -      | -     | -       | -      | -     | -              | -      | -     |

Annex Table 6- Estimates of Donkeys, Standard Errors and Coefficients of Variation by Age group, and Region

| Geographic Area        | MALE    |        |       |                |        |       | FEMALE  |        |       |                |        |       |
|------------------------|---------|--------|-------|----------------|--------|-------|---------|--------|-------|----------------|--------|-------|
|                        | <3YEARS |        |       | 3YEARS & OLDER |        |       | <3YEARS |        |       | 3YEARS & OLDER |        |       |
|                        | Number  | SE     | CV    | Number         | SE     | CV    | Number  | SE     | CV    | Number         | SE     | CV    |
| Ethiopia .....         | 506,931 | 16,096 | 3.18  | 1,456,784      | 39,926 | 2.74  | 501,914 | 15,831 | 3.15  | 1,823,714      | 41,746 | 2.29  |
| Tigray.....            | 41,186  | 3,105  | 7.54  | 162,292        | 11,569 | 7.13  | 39,318  | 3,513  | 8.93  | 146,760        | 9,246  | 6.30  |
| Afar .....             | 1,096   | 238    | 21.70 | 5,112          | 999    | 19.55 | 1,299   | 295    | 22.69 | 5,327          | 1,040  | 19.53 |
| Amhara .....           | 199,610 | 10,274 | 5.15  | 397,342        | 24,375 | 6.13  | 221,069 | 11,137 | 5.04  | 699,131        | 24,689 | 3.53  |
| Oromia .....           | 224,020 | 11,583 | 5.17  | 702,327        | 28,098 | 4.00  | 201,792 | 10,235 | 5.07  | 786,303        | 30,447 | 3.87  |
| Somali .....           | 11,071  | 1,690  | 15.26 | 36,247         | 5,295  | 14.61 | 8,462   | 1,297  | 15.33 | 33,557         | 3,586  | 10.69 |
| Benshangul-Gumuz ..... | 4,630   | 497    | 10.73 | 22,084         | 2,403  | 10.88 | 2,493   | 270    | 10.84 | 10,718         | 1,011  | 9.43  |
| SNNP .....             | 23,325  | 2,540  | 10.89 | 119,939        | 6,409  | 5.34  | 25,942  | 2,749  | 10.60 | 133,745        | 10,239 | 7.66  |
| Gambella.....          | -       | -      | -     | -              | -      | -     | -       | -      | -     | -              | -      | -     |
| Harari .....           | 680     | 195    | 28.71 | 3,441          | 641    | 18.63 | 388     | 122    | 31.34 | 2,475          | 478    | 19.30 |
| Addis Ababa .....      | 265     | 67     | 25.08 | 4,933          | 345    | 6.99  | 129     | 37     | 28.34 | 750            | 110    | 14.72 |
| Dire Dawa.....         | 1,046   | 251    | 24.03 | 3,067          | 472    | 15.39 | 1,022   | 260    | 25.44 | 4,948          | 749    | 15.14 |

Annex Table 7- Estimates of Mules, Standard Errors and Coefficients of Variation by Age group, and Region

| Geographic Area        | MALE    |       |       |                |       |        | FEMALE  |       |       |                |       |       |
|------------------------|---------|-------|-------|----------------|-------|--------|---------|-------|-------|----------------|-------|-------|
|                        | <3YEARS |       |       | 3YEARS & OLDER |       |        | <3YEARS |       |       | 3YEARS & OLDER |       |       |
|                        | Number  | SE    | CV    | Number         | SE    | CV     | Number  | SE    | CV    | Number         | SE    | CV    |
| Ethiopia .....         | 19,385  | 2,586 | 13.34 | 145,122        | 8,360 | 5.76   | 21,735  | 2,609 | 12.00 | 154,394        | 8,421 | 5.45  |
| Tigray.....            | 75      | 27    | 36.04 | 4,107          | 1,024 | 24.93  | -       | -     | -     | 3,719          | 850   | 22.85 |
| Afar .....             | -       | -     | -     | 68             | 38    | 55.35  | -       | -     | -     | 82             | 57    | 69.85 |
| Amhara .....           | 6,970   | 1,695 | 24.32 | 38,820         | 5,111 | 13.17  | 8,260   | 1,480 | 17.92 | 48,529         | 5,108 | 10.53 |
| Oromia .....           | 8,058   | 1,765 | 21.91 | 68,630         | 5,877 | 8.56   | 10,546  | 2,079 | 19.71 | 79,752         | 6,323 | 7.93  |
| Somali .....           | -       | -     | -     | -              | -     | -      | -       | -     | -     | -              | -     | -     |
| Benshangul-Gumuz ..... | -       | -     | -     | 527            | 168   | 31.98  | 29      | 25    | 87.05 | 946            | 271   | 28.66 |
| SNNP .....             | 4,262   | 836   | 19.62 | 32,641         | 2,856 | 8.75   | 2,900   | 541   | 18.66 | 21,331         | 2,011 | 9.43  |
| Gambella.....          | NA      | NA    | NA    | NA             | NA    | NA     | NA      | NA    | NA    | NA             | NA    | NA    |
| Harari .....           | -       | -     | -     | 20             | 22    | 107.02 | -       | -     | -     | -              | -     | -     |
| Addis Ababa .....      | 21      | 15    | 71.51 | 308            | 62    | 20.23  | -       | -     | -     | 35             | 23    | 64.07 |
| Dire Dawa.....         | -       | -     | -     | -              | -     | -      | -       | -     | -     | -              | -     | -     |

Annex Table 8- Estimates of Camels, Standard Errors and Coefficients of Variation by Age group, and Region

| Geographic Area        | MALE    |       |       |                |        |       | FEMALE  |        |       |                |        |       |
|------------------------|---------|-------|-------|----------------|--------|-------|---------|--------|-------|----------------|--------|-------|
|                        | <4YEARS |       |       | 4YEARS & OLDER |        |       | <4YEARS |        |       | 4YEARS & OLDER |        |       |
|                        | Number  | SE    | CV    | Number         | SE     | CV    | Number  | SE     | CV    | Number         | SE     | CV    |
| Ethiopia .....         | 57,373  | 7,373 | 12.85 | 121,919        | 11,739 | 9.63  | 61,828  | 11,227 | 18.16 | 196,487        | 26,808 | 13.64 |
| Tigray.....            | 2,045   | 828   | 40.49 | 31,717         | 6,154  | 19.4  | -       | -      | -     | -              | -      | -     |
| Afar .....             | 10,533  | 2,958 | 28.08 | 17,698         | 3,562  | 20.13 | 22,064  | 6,536  | 29.62 | 61,836         | 15,847 | 25.63 |
| Amhara .....           | 3,760   | 1,335 | 35.5  | 9,628          | 2,155  | 22.38 | -       | -      | -     | 1,289          | 729    | 56.54 |
| Oromia .....           | 21,233  | 4,390 | 20.67 | 20,458         | 5,012  | 24.5  | 15,973  | 5,283  | 33.08 | 64,306         | 15,554 | 24.19 |
| Somali .....           | 17,668  | 4,857 | 27.49 | 39,669         | 7,558  | 19.05 | 22,038  | 7,424  | 33.69 | 65,698         | 14,982 | 22.8  |
| Benshangul-Gumuz ..... | -       | -     | -     | -              | -      | -     | -       | -      | -     | -              | -      | -     |
| SNNP .....             | 450     | 391   | 86.92 | 769            | 431    | 56.05 | 394     | 390    | 99.09 | 150            | 149    | 99.15 |
| Gambella.....          | NA      | NA    | NA    | NA             | NA     | NA    | NA      | NA     | NA    | NA             | NA     | NA    |
| Harari .....           | 361     | 191   | 52.88 | 144            | 112    | 78.02 | 358     | 213    | 59.4  | 958            | 518    | 54.14 |
| Addis Ababa .....      | -       | -     | -     | -              | -      | -     | -       | -      | -     | -              | -      | -     |
| Dire Dawa.....         | 1,322   | 319   | 24.13 | 1,836          | 415    | 22.62 | 1,001   | 324    | 32.33 | 2,250          | 591    | 26.25 |

Annex Table 9- Estimates of Poultry, Standard Errors and Coefficients of Variation by Type, and Region

| Geographic Area       | Total Poultry |         |       | Cocks     |        |       | Cockerels |        |       | Pullets   |        |       | Non-laying Hens |        |       | Chicks     |         |       | Laying Hens |         |       |
|-----------------------|---------------|---------|-------|-----------|--------|-------|-----------|--------|-------|-----------|--------|-------|-----------------|--------|-------|------------|---------|-------|-------------|---------|-------|
|                       | Number        | SE      | CV    | Number    | SE     | CV    | Number    | SE     | CV    | Number    | SE     | CV    | Number          | SE     | CV    | Number     | SE      | CV    | Number      | SE      | CV    |
| Ethiopia .....        | 32,222,477    | 477,937 | 1.48  | 3,383,645 | 57,587 | 1.7   | 1,478,202 | 43,571 | 2.95  | 2,981,903 | 75,253 | 2.52  | 1,137,468       | 43,337 | 3.81  | 12,590,344 | 261,403 | 2.08  | 10,650,915  | 147,187 | 1.38  |
| Tigray .....          | 3,145,000     | 122,885 | 3.91  | 265,666   | 12,533 | 4.72  | 212,937   | 15,070 | 7.08  | 364,876   | 23,712 | 6.5   | 146,252         | 12,607 | 8.62  | 1,295,519  | 74,331  | 5.74  | 859,751     | 29,281  | 3.41  |
| Afar .....            | 49,429        | 7,749   | 15.68 | 4,986     | 803    | 16.11 | 2,999     | 619    | 20.66 | 3,899     | 748    | 19.17 | 3,658           | 815    | 22.27 | 19,088     | 3,768   | 19.74 | 14,800      | 2,326   | 15.71 |
| Amhara .....          | 9,428,820     | 320,420 | 3.4   | 1,047,415 | 39,475 | 3.77  | 385,759   | 28,349 | 7.35  | 865,090   | 45,012 | 5.2   | 325,428         | 25,506 | 7.84  | 3,711,700  | 180,338 | 4.86  | 3,093,429   | 86,245  | 2.79  |
| Oromia.....           | 12,331,362    | 294,096 | 2.38  | 1,401,432 | 36,379 | 2.6   | 525,585   | 24,865 | 4.73  | 1,066,906 | 49,548 | 4.64  | 499,885         | 31,059 | 6.21  | 4,483,271  | 151,103 | 3.37  | 4,354,283   | 106,036 | 2.44  |
| Somali .....          | 92,489        | 20,780  | 22.47 | 14,590    | 4,373  | 29.97 | 4,371     | 1,338  | 30.62 | 7,489     | 2,019  | 26.95 | 4,685           | 1,391  | 29.68 | 22,879     | 5,851   | 25.57 | 38,475      | 9,470   | 24.61 |
| Benshangul-Gumuz..... | 635,906       | 22,562  | 3.55  | 56,697    | 2,726  | 4.81  | 38,924    | 3,214  | 8.26  | 62,804    | 3,081  | 4.91  | 12,899          | 1,812  | 14.05 | 312,433    | 12,768  | 4.09  | 152,150     | 5,689   | 3.74  |
| SNNP.....             | 6,434,828     | 152,095 | 2.36  | 580,075   | 15,796 | 2.72  | 302,593   | 15,377 | 5.08  | 601,511   | 24,593 | 4.09  | 140,877         | 9,867  | 7.0   | 2,717,926  | 85,069  | 3.13  | 2,091,847   | 44,622  | 2.13  |
| Gambella .....        | NA            | NA      | NA    | NA        | NA     | NA    | NA        | NA     | NA    | NA        | NA     | NA    | NA              | NA     | NA    | NA         | NA      | NA    | NA          | NA      | NA    |
| Harari.....           | 33,329        | 3,255   | 9.77  | 3,926     | 426    | 10.84 | 2,320     | 554    | 23.88 | 2,985     | 534    | 17.9  | 783             | 266    | 34    | 11,565     | 1,535   | 13.28 | 11,750      | 1,055   | 8.98  |
| Addis Ababa.....      | 22,156        | 1,708   | 7.71  | 3,175     | 377    | 11.89 | 698       | 142    | 20.4  | 1,251     | 192    | 15.33 | 692             | 141    | 20.44 | 5,642      | 736     | 13.04 | 10,698      | 671     | 6.27  |
| Dire Dawa .....       | 49,157        | 3,798   | 7.73  | 5,685     | 697    | 12.25 | 2,017     | 370    | 18.36 | 5,091     | 683    | 13.41 | 2,310           | 763    | 33.02 | 10,322     | 1,206   | 11.68 | 23,733      | 2,183   | 9.2   |

Annex Table 10- Estimates of Beehives, Standard Errors and Coefficients of Variation by Type, and Region

| Geographic Area        | ALL BEEHIVES |         |       | TRADITIONAL |         |       | INTERMEDIATE |       |       | MODERN |       |        |
|------------------------|--------------|---------|-------|-------------|---------|-------|--------------|-------|-------|--------|-------|--------|
|                        | Number       | SE      | CV    | Number      | SE      | CV    | Number       | SE    | CV    | Number | SE    | CV     |
| Ethiopia .....         | 4,020,410    | 137,751 | 3.43  | 3,965,494   | 137,291 | 3.46  | 18,713       | 4,792 | 25.61 | 36,202 | 6,432 | 17.77  |
| Tigray.....            | 182,562      | 14,432  | 7.91  | 166,177     | 13,877  | 8.35  | 1,444        | 672   | 46.52 | 14,942 | 3,375 | 22.59  |
| Afar .....             | 447          | 192     | 42.88 | 447         | 192     | 42.88 | -            | -     | -     | -      | -     | -      |
| Amhara .....           | 792,988      | 55,696  | 7.02  | 781,354     | 55,181  | 7.06  | 6,793        | 2,740 | 40.33 | 4,842  | 1,584 | 32.72  |
| Oromia .....           | 2,161,124    | 103,790 | 4.80  | 2,145,912   | 103,786 | 4.84  | 3,021        | 1,139 | 37.69 | 12,191 | 4,882 | 40.04  |
| Somali .....           | 6,055        | 4,005   | 66.14 | 6,055       | 4,005   | 66.14 | -            | -     | -     | -      | -     | -      |
| Benshangul-Gumuz ..... | 154,009      | 24,549  | 15.94 | 153,767     | 24,560  | 15.97 | -            | -     | -     | 242    | 179   | 73.78  |
| SNNP .....             | 721,503      | 65,375  | 9.06  | 710,079     | 64,964  | 9.15  | 7,445        | 3,703 | 49.73 | 3,978  | 1,898 | 47.71  |
| Gambella.....          | NA           | NA      | NA    | NA          | NA      | NA    | NA           | NA    | NA    | NA     | NA    | NA     |
| Harari .....           | 596          | 162     | 27.10 | 596         | 162     | 27.10 | -            | -     | -     | -      | -     | -      |
| Addis Ababa .....      | 391          | 118     | 30.05 | 373         | 113     | 30.40 | 10           | 9     | 86.28 | 8      | 9     | 117.06 |
| Dire Dawa.....         | 734          | 220     | 29.95 | 734         | 220     | 29.95 | -            | -     | -     | -      | -     | -      |

## **APPENDIX I**

### **Number of Planned and Actually Covered Sampling Units**

**APPENDIX-I(a). Number of Planned and Actually Covered Sampling Units (EAs & Households) of the 2005/06 (1998 E.C.), Livestock Sample Survey**

| Region | Stratum              | Enumeration Areas |            | Households   |              |
|--------|----------------------|-------------------|------------|--------------|--------------|
|        | Zone/Sp.wereda       | Planned           | Covered    | Planned      | Covered      |
| Tigray | North Western Tigray | 31                | 31         | 930          | 929          |
|        | Central Tigray       | 40                | 40         | 1200         | 1196         |
|        | Eastern Tigray       | 29                | 29         | 870          | 870          |
|        | Southern Tigray      | 40                | 40         | 1200         | 1198         |
|        | Western Tigray       | 25                | 25         | 750          | 749          |
|        | <b>Region Total</b>  | <b>165</b>        | <b>165</b> | <b>4950</b>  | <b>4942</b>  |
| Afar   | Zone One             | 24                | 19         | 720          | 555          |
|        | Zone Three           | 24                | 24         | 720          | 717          |
|        | <b>Region Total</b>  | <b>48</b>         | <b>43</b>  | <b>1440</b>  | <b>1272</b>  |
| Amhara | North Gondar         | 44                | 44         | 1320         | 1315         |
|        | South Gondar         | 44                | 44         | 1320         | 1316         |
|        | North Welo           | 46                | 46         | 1380         | 1379         |
|        | South Welo           | 48                | 48         | 1440         | 1438         |
|        | North Shewa          | 40                | 39         | 1200         | 1170         |
|        | East Gojam           | 48                | 47         | 1440         | 1408         |
|        | West Gojam           | 48                | 48         | 1440         | 1438         |
|        | Waghamera            | 28                | 27         | 840          | 810          |
|        | Awi                  | 32                | 32         | 960          | 959          |
|        | Oromia               | 28                | 27         | 840          | 807          |
|        | <b>Region Total</b>  | <b>406</b>        | <b>402</b> | <b>12180</b> | <b>12040</b> |
| Oromia | West Wellega         | 42                | 42         | 1260         | 1257         |
|        | East Wellega         | 45                | 45         | 1350         | 1350         |
|        | Illubabor            | 36                | 36         | 1080         | 1079         |
|        | Jimma                | 48                | 48         | 1440         | 1440         |
|        | West Shewa           | 42                | 42         | 1260         | 1260         |
|        | North Shewa          | 34                | 34         | 1020         | 1019         |
|        | East Shewa           | 44                | 44         | 1320         | 1318         |
|        | Arsi                 | 46                | 46         | 1380         | 1378         |
|        | West Harerghe        | 40                | 40         | 1200         | 1199         |
|        | East Harerghe        | 44                | 44         | 1320         | 1316         |
|        | Bale                 | 40                | 40         | 1200         | 1191         |
|        | Borena               | 36                | 36         | 1080         | 1075         |
|        | South West Shewa     | 40                | 40         | 1200         | 1200         |
|        | Guji                 | 36                | 36         | 1080         | 1076         |
|        | <b>Region Total</b>  | <b>573</b>        | <b>573</b> | <b>17190</b> | <b>17158</b> |



**APPENDIX-I (a) (Continued...)**

| Region                   | Stratum                | Enumeration Areas |             | Households   |              |
|--------------------------|------------------------|-------------------|-------------|--------------|--------------|
|                          | Zone/Sp.wereda         | Planned           | Covered     | Planned      | Covered      |
| <b>Somali</b>            | Shinile                | 20                | 20          | 600          | 583          |
|                          | Jijiga                 | 28                | 28          | 840          | 824          |
|                          | Liben                  | 24                | 24          | 720          | 677          |
|                          | <b>Region Total</b>    | <b>72</b>         | <b>72</b>   | <b>2160</b>  | <b>2084</b>  |
| <b>Benishangul-Gumuz</b> | Metekel                | 28                | 26          | 840          | 779          |
|                          | Asosa                  | 28                | 28          | 840          | 839          |
|                          | Kemeshi                | 24                | 24          | 720          | 718          |
|                          | <b>Region Total</b>    | <b>80</b>         | <b>78</b>   | <b>2400</b>  | <b>2336</b>  |
| <b>SNNP</b>              | Gurage                 | 38                | 38          | 1140         | 1140         |
|                          | Hadiya                 | 34                | 34          | 1020         | 1020         |
|                          | Kembata Tambaro        | 33                | 33          | 990          | 986          |
|                          | Sidama                 | 44                | 44          | 1320         | 1320         |
|                          | Gedio                  | 34                | 34          | 1020         | 1015         |
|                          | Wolayita               | 40                | 40          | 1200         | 1199         |
|                          | South Omo              | 33                | 33          | 990          | 986          |
|                          | Shaka                  | 24                | 24          | 720          | 716          |
|                          | Kaffa                  | 36                | 36          | 1080         | 1075         |
|                          | Gamo Gofa              | 40                | 40          | 1200         | 1198         |
|                          | Bench Maji             | 32                | 31          | 960          | 925          |
|                          | Yem Special Wereda     | 20                | 20          | 600          | 599          |
|                          | Amaro Special Wereda   | 20                | 20          | 600          | 600          |
|                          | Burji Special Wereda   | 20                | 20          | 600          | 600          |
|                          | Konso Special Wereda   | 20                | 20          | 600          | 599          |
|                          | Derashe Special Wereda | 20                | 20          | 600          | 600          |
|                          | Dawro                  | 32                | 32          | 960          | 958          |
|                          | Basketo Special Wereda | 20                | 20          | 600          | 599          |
|                          | Konta Special Wereda   | 20                | 20          | 600          | 600          |
|                          | Siltie                 | 32                | 32          | 960          | 958          |
|                          | Alaba Special Wereda   | 20                | 20          | 600          | 600          |
|                          | <b>Region Total</b>    | <b>612</b>        | <b>611</b>  | <b>18360</b> | <b>18293</b> |
| <b>Harari</b>            | <b>Harari</b>          | 24                | 24          | 720          | 720          |
| <b>Addis Ababa</b>       | <b>Addis Ababa</b>     | 20                | 20          | 600          | 598          |
| <b>Dire Dawa</b>         | <b>Dire Dawa</b>       | 24                | 24          | 720          | 715          |
| <b>Country Total</b>     |                        | <b>2024</b>       | <b>2012</b> | <b>60720</b> | <b>60158</b> |

**APPENDIX-I(b).** Number of Planned and Actually Covered Sampling Units (Resettlement localities & Households) of the 2005/06 (1998 E.C.), Livestock Sample Survey

| Region                   | Stratum                | Resettlement localities |            | Households  |             |
|--------------------------|------------------------|-------------------------|------------|-------------|-------------|
|                          | Zone/Sp.wereda         | Planned                 | Covered    | Planned     | Covered     |
| <b>Tigray</b>            | North Western Tigray   | 2                       | 2          | 60          | 60          |
|                          | Western Tigray         | 32                      | 32         | 960         | 952         |
|                          | <b>Region Total</b>    | <b>34</b>               | <b>34</b>  | <b>1020</b> | <b>1012</b> |
| <b>Amhara</b>            | North Gonder           | 32                      | 31         | 960         | 915         |
|                          | Awi                    | 2                       | 2          | 60          | 60          |
|                          | <b>Region Total</b>    | <b>34</b>               | <b>33</b>  | <b>1020</b> | <b>975</b>  |
| <b>Oromia</b>            | West Wellega           | 39                      | 39         | 1170        | 1169        |
|                          | East Wellega           | 21                      | 21         | 630         | 625         |
|                          | Illubabor              | 40                      | 40         | 1200        | 1198        |
|                          | Jimma                  | 6                       | 6          | 180         | 178         |
|                          | West Shewa             | 4                       | 4          | 120         | 120         |
|                          | Bale                   | 10                      | 10         | 300         | 287         |
|                          | Guji                   | 6                       | 6          | 180         | 180         |
|                          | <b>Region Total</b>    | <b>126</b>              | <b>126</b> | <b>3780</b> | <b>3757</b> |
| <b>Benishangul-Gumuz</b> | Asosa                  | 2                       | 2          | 60          | 60          |
|                          | <b>Region Total</b>    | <b>2</b>                | <b>2</b>   | <b>60</b>   | <b>60</b>   |
| <b>SNNP</b>              | Gurage                 | 4                       | 4          | 120         | 77          |
|                          | Wolayita               | 3                       | 3          | 90          | 90          |
|                          | South Omo              | 7                       | 7          | 210         | 206         |
|                          | Kaffa                  | 8                       | 8          | 240         | 234         |
|                          | Gamo Gofa              | 10                      | 10         | 300         | 300         |
|                          | Bench Maji             | 5                       | 5          | 150         | 144         |
|                          | Amaro Special Wereda   | 3                       | 3          | 90          | 72          |
|                          | Dawro                  | 4                       | 4          | 120         | 119         |
|                          | Basketo Special Wereda | 5                       | 5          | 150         | 148         |
|                          | Konta Special Wereda   | 5                       | 5          | 150         | 150         |
|                          | <b>Region Total</b>    | <b>54</b>               | <b>54</b>  | <b>1620</b> | <b>1540</b> |
|                          | <b>Country Total</b>   | <b>250</b>              | <b>249</b> | <b>7500</b> | <b>7344</b> |

## **APPENDIX II**

### **Estimation Procedures of Totals, Ratios, and Sampling Errors**

## APPENDIX II: Estimation Procedures of Totals, Ratios and Sampling Errors

The following formulas were used to estimate total livestock & its products, and ratio of specific characteristics in a stratum.

### 1. For Estimating Total livestock and products:

$$\hat{Y}_h = \sum_{i=1}^{n_h} W_{hi} \sum_{j=1}^{h_{hi}} y_{hij} = \sum_{i=1}^{n_h} W_{hi} y_{hi}$$

in which,  $W_{hi} = \frac{M_h H_{hi}}{n_h m_{hi} h_{hi}}$  is the basic weight.

Where:

$h$  represents the stratum

$n_h$  is the total number of sample EAs successfully covered in the  $h^{\text{th}}$  stratum.

$M_h$  is the measure of size of the  $h^{\text{th}}$  stratum as obtained from the sampling frame.

$m_{hi}$  is the measure of size of the  $i^{\text{th}}$  sample EA in the  $h^{\text{th}}$  stratum obtained from the sampling frame.

$H_{hi}$  is the total number of agricultural households of the  $i^{\text{th}}$  sample EA in the  $h^{\text{th}}$  stratum.

$h_{hi}$  is the number of sample agricultural households successfully covered in the  $i^{\text{th}}$  sample EA in the  $h^{\text{th}}$  stratum.

$y_{hij}$  is the value of a specific livestock(its products) for agricultural households  $j$ , in the  $i^{\text{th}}$  EA in the  $h^{\text{th}}$  stratum.

$y_{hi}$  is the sample total values of a specific livestock(its products) for EA  $i$  in stratum  $h$

$\hat{Y}_h$  is estimated total of specific livestock and its products in stratum  $h$

### 2. For Estimating Ratios in stratum $h$ :

$$\hat{R}_h = \frac{\hat{Z}_h}{\hat{X}_h}, \text{ where the numerator and denominator are estimates of domain totals}$$

for characteristic  $z$  and  $x$ , respectively.

### 3. Sampling Variance of Estimates:

Sampling variance for the estimate of stratum total of livestock and its products, and ratios are estimated by the following formulas.

$$Var(\hat{Y}_h) = (1 - f_h) \frac{n_h}{n_h - 1} \sum_{i=1}^{n_h} \left( \hat{Y}_{hi} - \frac{\hat{Y}_h}{n_h} \right)^2 + f_h \sum_{i=1}^{n_h} (1 - f_{hi}) \left( \frac{h_{hi}}{h_{hi} - 1} \right) \sum_{j=1}^{h_{hi}} \left( \hat{Y}_{hij} - \frac{\hat{Y}_{hi}}{h_{hi}} \right)^2$$

$$Var(\hat{R}_h) = \frac{1}{\hat{X}_h^2} \left[ Var(\hat{Z}_h) + \hat{R}_h^2 Var(\hat{X}_h) - 2\hat{R}_h Cov(\hat{Z}_h, \hat{X}_h) \right]$$

Where,

$$Cov(\hat{Z}_h, \hat{X}_h) = (1 - f_h) \frac{n_h}{n_h - 1} \sum_{i=1}^{n_h} \left( \hat{Z}_{hi} - \frac{\hat{Z}_h}{n_h} \right) \left( \hat{X}_{hi} - \frac{\hat{X}_h}{n_h} \right) + f_h \sum_{i=1}^{n_h} (1 - f_{hi}) \left( \frac{h_{hi}}{h_{hi} - 1} \right) \sum_{j=1}^{h_{hi}} \left( \hat{Z}_{hij} - \frac{\hat{Z}_{hi}}{h_{hi}} \right) \left( \hat{X}_{hij} - \frac{\hat{X}_{hi}}{h_{hi}} \right)$$

$f_h$  = average first stage probability of selection of EAs within stratum  $h$ .

$f_{hi} = \frac{h_{hi}}{H_{hi}}$  = Average second stage probability of selection within the  $i^{th}$  sample EA in stratum  $h$ .

$\hat{Y}_{hi}, \hat{Z}_{hi}, \hat{X}_{hi}$  are weighted total livestock and its products of characteristic  $y, z$  and  $x$ , respectively, in the  $i^{th}$  EA and  $h^{th}$  stratum.

$\hat{Y}_{hij}, \hat{Z}_{hij}, \hat{X}_{hij}$  are weighted value of livestock and its products of characteristic  $y, z$  and  $x$ , respectively, from  $j^{th}$  agricultural household in the  $i^{th}$  EA and  $h^{th}$  stratum.

Since all strata are independent, the total variance at regional and country level is computed by aggregating the result obtained at Zone/Special Wereda level, i.e.

$$Var(\hat{Y}) = \sum_h^L Var(\hat{Y}_h), Var(\hat{R}) = \sum_{i=1}^L Var(\hat{R}_h)$$

Where,  $L$  is the number of strata (Zone/Special Wereda).

In estimating the sampling variance by the above formula, selection of EAs within a stratum is assumed to be with replacement. By so doing the variance estimate may be slightly over estimated but it greatly simplifies the estimation procedure.

#### 4. Coefficient of Variation (CV) of Estimates:

Coefficient of Variation (CV) in percentage of estimate of stratum total of livestock and its products is given by:

$$CV(\hat{Y}_h) = \frac{\sqrt{Var(\hat{Y}_h)}}{\hat{Y}_h} * 100, CV(\hat{R}_h) = \frac{\sqrt{Var(\hat{R}_h)}}{\hat{R}_h} * 100$$

**5. Ninety-five percent confidence interval (CI) of stratum total of Livestock (its product):**

$$\hat{Y}_h \pm 1.96 * SE(\hat{Y}_h) \quad ,$$

Where  $SE(\hat{Y}_h) = \sqrt{Var(\hat{Y}_h)}$  is standard error of the estimate of the stratum total.

Estimates of standard error and confidence interval for the ratio estimate can also be calculated by adopting the above formulas.

**APPENDIX III**  
**Survey Questionnaire**

**Annual Agricultural Sample Survey**  
**Livestock and Beehives Population - 2005/06 (1998 E.C.)**

**Part I - Identification Particulars**

| Region | Zone | Wereda | Farmers' Association | Enumeration Area | Household Number | Holder Number | Holder |     |                   |  |             | Type of Holding                 |  |
|--------|------|--------|----------------------|------------------|------------------|---------------|--------|-----|-------------------|--|-------------|---------------------------------|--|
|        |      |        |                      |                  |                  |               | Name   | Age | Sex<br>M=1<br>F=2 | Edu. Status<br>(Highest Grade Completed) | Family Size | Crop=1<br>Livestock=2<br>Both=3 |  |
|        |      |        |                      |                  |                  |               |        |     |                   |  |             |                                 |  |

**PART II - LIVESTOCK POPULATION AND PRODUCTS****QST I - Did You Have Livestock and/or Beehives on November 10, 2005?**
☐ Yes Complete questions below

☐ No – End of the question
**Number of Cattle by Age and Purpose on Feb 10, 2005**

1. Cattle of all ages \_\_\_\_\_
- a. Cattle less than 6 months \_\_\_\_\_
- b. Cattle 6 months and less than 1 year \_\_\_\_\_
- c. Cattle 1 year and less than 3 years \_\_\_\_\_
- d. Cattle 3 years and less than 10 years \_\_\_\_\_
1. Beef Cattle \_\_\_\_\_
2. Cattle for breeding \_\_\_\_\_
3. Dairy cows \_\_\_\_\_
4. Cows that gave milk for the last 12 months \_\_\_\_\_
5. Draft cattle \_\_\_\_\_
6. Cattle for other purposes \_\_\_\_\_
- e. Cattle 10 years and older \_\_\_\_\_
- f. Grand Total \_\_\_\_\_
1. Local breed \_\_\_\_\_
2. Exotic \_\_\_\_\_
3. Hybrid \_\_\_\_\_

| None | Total | Male | Female |
|------|-------|------|--------|
|      | 1     | 2    | 3      |
|      | 4     | 5    | 6      |
|      | 7     | 8    | 9      |
|      | 10    | 11   | 12     |
|      | 13    | 14   | 15     |
|      | 16    | 17   | 18     |
|      | 19    | 20   | 21     |
|      | 22    |      | 23     |
|      | 24    |      | 25     |
|      | 26    | 27   | 28     |
|      | 29    | 30   | 31     |
|      | 32    | 33   | 34     |
|      | 35    | 36   | 37     |
|      | 38    | 39   | 40     |
|      | 41    | 42   | 43     |
|      | 44    | 45   | 46     |



Form ASS – 98/7 Cont'd

Number of Sheep by Age and Purpose on Nov 10, 2005

|  | None | Total | Male | Female |
|--|------|-------|------|--------|
| 2. Sheep of all ages                   |      | 47    | 48   | 49     |
| a. Sheep less than 6 months            |      | 50    | 51   | 52     |
| b. Sheep 6 months and less than 1 year |      | 53    | 54   | 55     |
| c. Sheep 1 year and less than 2 years  |      | 56    | 57   | 58     |
| d. Sheep 2 years and older             |      | 59    | 60   | 61     |
| 1. Sheep for mutton                    |      | 62    | 63   | 64     |
| 2. Sheep for wool                      |      | 65    | 66   | 67     |
| 3. Sheep for breeding                  |      | 68    | 69   | 70     |
| 4. Sheep for other purposes            |      | 71    | 72   | 73     |
| e. Grand Total                         |      | 74    | 75   | 76     |
| 1. Local breed                         |      | 77    | 78   | 79     |
| 2. Exotic                              |      | 80    | 81   | 82     |
| 3. Hybrid                              |      | 83    | 84   | 85     |

Number of Goats by Age and Purpose on Nov 10, 2005

|  | None | Total | Male | Female |
|--|------|-------|------|--------|
| 3. Goats of all ages                   |      | 86    | 87   | 88     |
| a. Goats less than 6 months            |      | 89    | 90   | 91     |
| b. Goats 6 months and less than 1 year |      | 92    | 93   | 94     |
| c. Goats 1 year and less than 2 years  |      | 95    | 96   | 97     |
| d. Goats 2 years and older             |      | 98    | 99   | 100    |
| 1. Goats for meat                      |      | 101   | 102  | 103    |
| 2. Dairy Goats                         |      | 104   |      | 105    |
| 3. Goats for breeding                  |      | 106   | 107  | 108    |
| 4. Goats for other purposes            |      | 109   | 110  | 111    |
| e. Grand Total                         |      | 112   | 113  | 114    |
| 1. Local breed                         |      | 115   | 116  | 117    |
| 2. Exotic                              |      | 118   | 119  | 120    |
| 3. Hybrid                              |      | 121   | 122  | 123    |

Form ASS – 98/7 Cont'd

Number of Horses, Mules, Donkeys and Camels by age and Purpose on Nov 10, 2005

Horses

4. Horses of all ages \_\_\_\_\_  
 a. Horses less than 3 years \_\_\_\_\_  
 b. Horses 3 years and older \_\_\_\_\_  
     1. Horses used primary for draft purposes \_\_\_\_\_  
     2. Horses for transportation \_\_\_\_\_  
     3. Horses for other purposes \_\_\_\_\_

| None | Total | Male | Female |
|------|-------|------|--------|
|      | 124   | 125  | 126    |
|      | 127   | 128  | 129    |
|      | 130   | 131  | 132    |
|      | 133   | 134  | 135    |
|      | 136   | 137  | 138    |
|      | 139   | 140  | 141    |

Mules

5. Mules of all ages \_\_\_\_\_  
 a. Mules less than 3 years \_\_\_\_\_  
 b. Mules 3 years and older \_\_\_\_\_  
     1. Mules used primary for draft purposes \_\_\_\_\_  
     2. Mules for transportation \_\_\_\_\_  
     3. Mules for other purposes \_\_\_\_\_

| None | Total | Male | Female |
|------|-------|------|--------|
|      | 142   | 143  | 144    |
|      | 145   | 146  | 147    |
|      | 148   | 149  | 150    |
|      | 151   | 152  | 153    |
|      | 154   | 155  | 156    |
|      | 157   | 158  | 159    |

Donkeys

6. Donkeys of all ages \_\_\_\_\_  
 a. Donkeys less than 3 years \_\_\_\_\_  
 b. Donkeys 3 years and older \_\_\_\_\_  
     1. Donkeys used for draft purposes \_\_\_\_\_  
     2. Donkeys for transportation \_\_\_\_\_  
     3. Donkeys for other purposes \_\_\_\_\_

| None | Total | Male | Female |
|------|-------|------|--------|
|      | 160   | 161  | 162    |
|      | 163   | 164  | 165    |
|      | 166   | 167  | 168    |
|      | 169   | 170  | 171    |
|      | 172   | 173  | 174    |
|      | 175   | 176  | 177    |

Camels

7. Camels of all ages \_\_\_\_\_  
 a. Camels less than 4 years \_\_\_\_\_  
 b. Camels 4 years and older \_\_\_\_\_  
     1. Camels for slaughter \_\_\_\_\_  
     2. Camels for draft purposes \_\_\_\_\_  
     3. Camels for milk \_\_\_\_\_  
     4. Camels for transportation \_\_\_\_\_  
     5. Camels for other purposes \_\_\_\_\_

| None | Total | Male | Female |
|------|-------|------|--------|
|      | 178   | 179  | 180    |
|      | 181   | 182  | 183    |
|      | 184   | 185  | 186    |
|      | 187   | 188  | 189    |
|      | 190   | 191  | 192    |
|      | 193   | 209  | 194    |
|      | 195   | 196  | 197    |
|      | 198   | 199  | 200    |

**Form ASS – 98/7 Cont'd**

**Poultry**

8. Poultry total on Nov 10, 2005

- a. Laying hens \_\_\_\_\_
- b. Non-Laying hens \_\_\_\_\_
- c. Cocks \_\_\_\_\_
- d. Cockerels \_\_\_\_\_
- e. Pullets \_\_\_\_\_
- f. Chicks \_\_\_\_\_

| None |
|------|
|      |
|      |
|      |
|      |
|      |
|      |
|      |

| Total |
|-------|
| 201   |
| 205   |
| 209   |
| 213   |
| 217   |
| 221   |
| 225   |

| Indigenous | Hybrid | Exotic |
|------------|--------|--------|
| 202        | 223    | 204    |
| 206        | 207    | 208    |
| 210        | 211    | 212    |
| 214        | 215    | 216    |
| 218        | 219    | 220    |
| 222        | 223    | 224    |
| 226        | 227    | 228    |

**QST II- Did You Have Livestock During The Reference Period (Nov 11, 2004 to Nov 10, 2005)?**

**Yes=1 No=2**

Yes Complete questions below

No – End of the question

9. Total Beehives (produced honey during the reference period)

- a. Traditional Beehives \_\_\_\_\_
- b. Intermediate Beehives \_\_\_\_\_
- c. Modern Beehives \_\_\_\_\_

| None |
|------|
|      |
|      |
|      |
|      |

| Total |
|-------|
| 229   |
| 230   |
| 231   |
| 232   |

**10. Honey production per beehive in kg during the reference period**

- a. Average honey production/ Traditional hive/harvest \_\_\_\_\_  
Number of harvests/Traditional hive/year \_\_\_\_\_
- b. Average honey production/ Intermediate hive/harvest \_\_\_\_\_  
Number of harvests/Intermediate hive/year \_\_\_\_\_
- c. Average honey production/ Modern hive/harvest \_\_\_\_\_  
Number of harvests/Modern hive/year \_\_\_\_\_

|     |  |
|-----|--|
| 233 |  |
| 234 |  |
| 235 |  |
| 236 |  |
| 237 |  |
| 238 |  |

**Form ASS – 98/7 Cont'd**

**Milk, Egg, and Honey Production during the reference period**

11. Dairy cows and Camels

- a. Cows that gave milk during the reference Period \_\_\_\_\_
- b. Average number of months cows actually milked \_\_\_\_\_
- c. Average lactation period of cows in months \_\_\_\_\_
- d. Milk production per day per cow in liters \_\_\_\_\_
- e. Camels that gave milk during the reference period \_\_\_\_\_
- f. Average number of months camels actually milked \_\_\_\_\_
- g. Average lactation period of camels in months \_\_\_\_\_
- h. Milk production per day per camel \_\_\_\_\_

None

|  |     |  |
|--|-----|--|
|  | 239 |  |
|  | 240 |  |
|  | 241 |  |
|  | 242 |  |
|  | 243 |  |
|  | 244 |  |
|  | 245 |  |
|  | 246 |  |

12. Egg production per hen per clutch \_\_\_\_\_

None

Indigenous

Hybrid

Exotic

13. Average number of days per clutch \_\_\_\_\_





14. Total Number of clutch during the reference period \_\_\_\_\_





**15. Livestock Diseases and Treatments during the Reference Period**

| 1       | 2              | 4                  |      |        | 5             |      |        |
|---------|----------------|--------------------|------|--------|---------------|------|--------|
|         |                | Afflicted/Diseased |      |        | Total Treated |      |        |
| Sr. No. | Livestock Type | Total              | Male | Female | Total         | Male | Female |
| 1       | Cattle         |                    |      |        |               |      |        |
| 2       | Sheep          |                    |      |        |               |      |        |
| 3       | Goats          |                    |      |        |               |      |        |
| 4       | Horses         |                    |      |        |               |      |        |
| 5       | Donkeys        |                    |      |        |               |      |        |
| 6       | Mules          |                    |      |        |               |      |        |
| 7       | Camel          |                    |      |        |               |      |        |
| 8       | Poultry        |                    |      |        |               |      |        |

## 16. Number of Births, Purchases, Sales, Slaughters, and Deaths during the Reference Period

[illegible]

## 17. Livestock diseases, treatment and Vaccination during the Reference Period

[illegible]

Form ASS – 98/7 Cont'd

18. Livestock Feeds utilized during the reference period

| 1       | 2                      | 3    | 4                      | 5  | 5              | 6    |
|---------|------------------------|------|------------------------|--|----------------|------|
| Sr. No. | Type of Livestock Feed | Code | Utilized<br>yes=1 no=2 | Percent from<br>the total feed<br>Utilized | Source of Feed | Code |
| 1       | Green fodder/Grazing   | 1    |                        |  |                |      |
| 2       | Crop Residue           | 2    |                        |  |                |      |
| 3       | Improved Feed          | 3    |                        |  |                |      |
| 4       | Hay                    | 4    |                        |  |                |      |
| 5       | Bi-products            | 5    |                        |  |                |      |
| 6       | Others                 | 7    |                        |  |                |      |
| Total   |                        |      |                        | 100  |                |      |

Own Holding=1    Purchased=2    Communal Holding=3  
 1 & 2 =4    1 & 3=5    2 & 3=6    1, 2, & 3=7    Others=8

19. Did you participate in any Livestock Extension Program during the reference period?

Yes=1    No=2

20. If yes to 19, what was the type of the package?

- Dairy development package =1
- Beef/Meat/Mutton development package =2
- Poultry development package =3
- Honey and Wax development Package =4
- Any two or more of the above packages =5
- Any other livestock package =6



### **Corrigendum**

*[For the previous year report]*

In the previous year report (Statistical Bulletin 331 Volume II, Report on Livestock and Livestock Characteristics); the column titles “Meat” and “Milk” under Female Goats on pages 51 and 52 were interchanged. We express regret for the oversight and beware that the figures under “Meat” were for “Milk” and viseversa.