

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

**AGRICULTURAL SAMPLE SURVEY  
2010/11 [2003 E.C.]**

**VOLUME II**

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



**ADDIS ABABA  
FEBRUARY 2011**

## **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 ANIMALS BY TYPE -----	23
3.3 NUMBERS OF SALES, SLAUGHTERS, DEATHS, AND OFFERINGS BY TYPE -----	24
3.4 LIVESTOCK PRODUCTS-----	25
3.4.1 Milk Production-----	26
3.4.2 Honey Production-----	26
3.4.3 Egg Production-----	27
3.5 LIVESTOCK VACCINATION, DISEASES, AND TREATMENT -----	28
3.6 NUMBER OF HOLDINGS BY SIZE OF LIVESTOCK-----	30
3.7 ANIMAL FEED-----	32
3.8 LIVESTOCK EXTENSION-----	34
Statistical Tables-----	35
Annex Tables-----	163
Appendix I-----	173
Appendix II-----	177
Appendix III -----	183

### **Abbreviations**

CSA	-	Central Statistical Agency
CV	-	Coefficient of Variation
E.C.	-	Ethiopian Calendar
EA	-	Enumeration Area
NA	-	Not Available
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 etc. provide 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 2010/11 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, 2010 or Hidar 1, 2003 E.C.) and reference period (November 11, 2009 to November 10, 2010 or Hidar 2, 2002 E.C. to Hidar 1, 2003 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 sedentary rural areas are presented in Statistical Tables 3.1 - 3.30. 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 provide 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.

## **CHAPTER II**

### **SURVEY METHODOLOGY AND OPERATIONS**

#### **2.1 COVERAGE**

The 2010/11 (2003 E.C.) Annual Livestock Sample Survey covered the rural agricultural population in all the regions of the country except the non-sedentary population of three zones of Afar & six zones of Somali regions.

To be covered by the survey, a total of 2,280 enumeration areas (EAs) were selected. However, due to various reasons that are beyond control, in 30 EAs the survey could not be successful and hence interrupted. Thus, all in all the survey succeeded to cover 2,250 EAs (98.68%) throughout the regions. The Livestock Sample Survey was conducted on the basis of 30 agricultural households selected from each EA. Regarding the ultimate sampling units, it was intended to cover a total of 68,400 agricultural households, however, 67,269 (98.34%) 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 2007 (1999 E.C). Population and Housing Census Frame was used as the sampling frame in order to select EAs (Primary Sampling Units). Consequently, all sample EAs were selected from this frame based on the design proposed for the survey. Second stage sampling units households, on the other hand, were selected from a fresh list of households that were prepared for each EA 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 and second stage sampling units were agricultural households. Each zones/special wereda of the four regions (Tigray, Amahara, Oromiya and SNNP) was further stratified in to three agro-ecologies (Kolla, Dega and Weyina Dega). Except Harari and Dire Dawa, where each region as a whole is considered to be the domain of estimation, every zone/special wereda in each region was taken as a stratum for which major findings of the survey are reported.

**Summery Table II.1: Total and covered Zones/Strata by Region**

Region	Number of Zones/ Strata	
	Total	Covered
Tigray	5	5
Afar	5	2
Amhara	11	11
Oromiya	17	17
Somalie	9	3
Benishangul Gumuz	4	4
S.N.N.P.R	21	21
Gambela	4	4
Hareri	1	1
Dire Dawa	1	1
<b>Total</b>	<b>78</b>	<b>69</b>

## 2.4 SELECTION SCHEME

Enumeration areas from each stratum were selected systematically using probability proportional to size sampling technique; size being number of households of EAs obtained from the 2007 (1999 E.C) Population and Housing Census. Within each sample EA 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) by stratum is also presented in Appendix-I. Moreover, estimation procedures of different estimates 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, 2009 to Nov 10, 2010.

***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, 2009 to Nov 10, 2010.

***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 1 to 4. 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, statistician and some of the field supervisors. The training was given for about six days at Ambo town. 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 November 10, 2010 (Hidar 1/2003 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 CSpro (Census and survey 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 2010/11 livestock survey has covered the rural sedentary areas of the country 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 (November 10, 2010), 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.2. As shown on the table, the total cattle population for the country is estimated to be about 53.4 million. Out of this total cattle population, the female cattle constitute about 55.2 percent and the remaining 44.8 percent are male cattle.

Regarding age groups, the majority of the cattle population (that is about 63.63 percent) is in the 3 years and less than 10 years age category, with about 27.88 percent male and about 35.75 percent female. Moreover, about 15.41 percent are between age one and three years and those with age category 10 years and over took small portion i.e. 2.94 percent of the total estimated number of cattle population (also see Fig III.1).

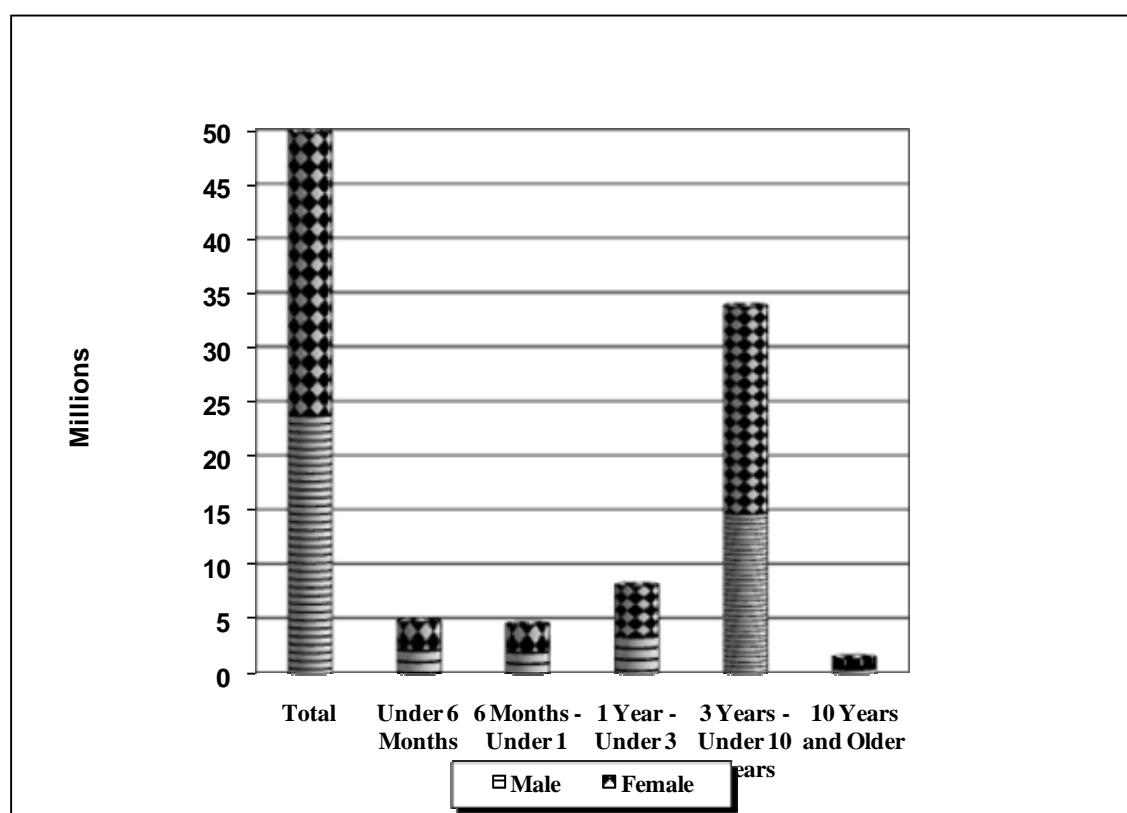
On the other hand, the results obtained indicated that 99.26 percent of the total cattle in the country are local breeds. The remaining are hybrid and exotic breeds that accounted for about 0.64 percent and 0.1 percent, respectively. Moreover,

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 25.29 percent and the percentage share of beef cattle is the lowest that is about 0.87 percent. Beef cattle here refer to all cattle reared exclusively for meat that is used either for home consumption or for sale.

SUMMARY TABLE III.1: Estimated Number of Cattle by Sex, Age, Breed, and Purpose, Ethiopia - 2010/11

Age, Breed, and Purpose	Total		Male		Female	
	Number	%	Number	%	Number	%
Total .....	53,382,194	100	23,917,347	44.8	29,464,846	55.2
Under 6 months .....	4,947,931	9.27	2,348,148	4.4	2,599,782	4.87
6 months - under 1 year .....	4,669,113	8.75	2,176,962	4.08	2,492,152	4.67
1 year – under 3 years .....	8,228,733	15.41	3,606,810	6.76	4,621,923	8.66
3 years – under 10 years.....	33,967,441	63.63	14,884,790	27.88	19,082,651	35.75
10 years and older .....	1,568,977	2.94	900,637	1.69	668,339	1.25
Cattle by Breed						
Total .....	53,382,194	100	23,917,347	44.8	29,464,846	55.2
Indigenous .....	52,989,537	99.26	23,775,083	44.54	29,214,454	54.73
Hybrid.....	339,646	0.64	125,245	0.23	214,401	0.4
Exotic.....	53,010	0.1	17,019	0.03	35,991	0.07
Aged 3 – 10 Years by Purpose						
Total .....	33,967,441	63.63	14,884,790	27.88	19,082,651	35.75
Used for Milk .....	7,447,238	13.95			7,447,238	13.95
Used for Draught.....	13,501,418	25.29	13,346,297	25	155,120	0.29
Used for Beef .....	463,918	0.87	390,655	0.73	73,263	0.14
Used for Breeding .....	10,899,324	20.42	635,968	1.19	10,263,357	19.23
Used for Other.....	1,655,543	3.1	511,870	0.96	1,143,673	2.14
Dairy Animals						
Dairy Cows.....	7,447,238	13.95			7,447,238	13.95
Milking Cows.....	10,676,783	20			10,676,783	20

FIGURE III.1 DISTRIBUTION OF CATTLE BY AGE AND SEX



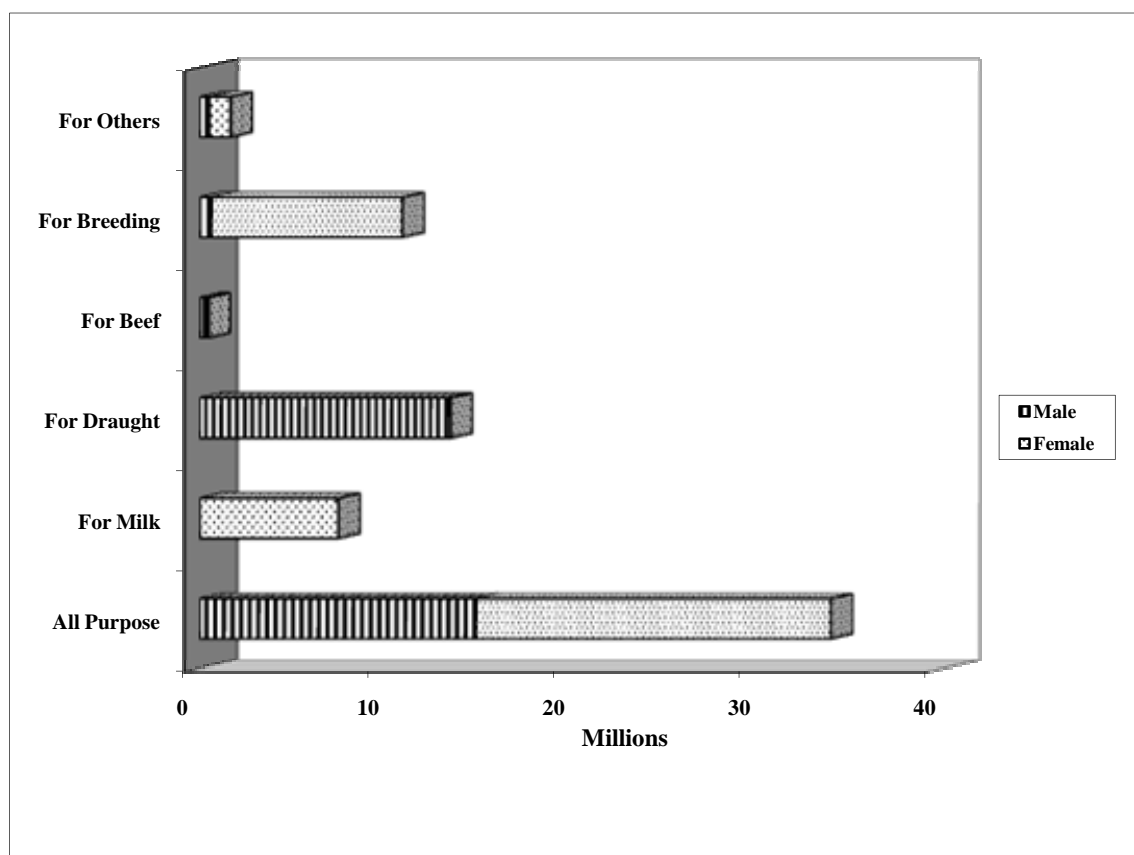
Dairy-cows<sup>1</sup> are estimated to be around 7.4 million and milking-cows<sup>2</sup> are about 10.7 million heads during the reference period.

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, 2009 to Nov. 10, 2010).

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



### 3.1.2 Sheep And Goat Populations

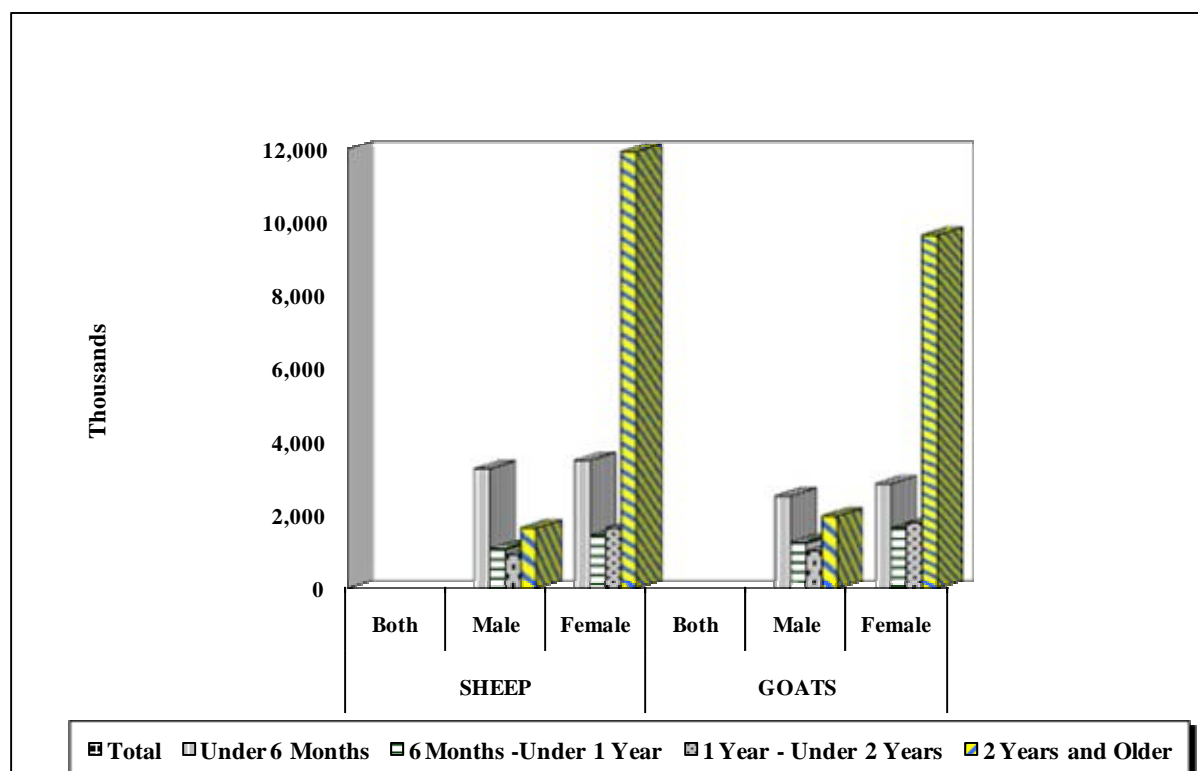
The estimated numbers and percentage distributions of sheep and goats in the rural sedentary areas of the country are given in Summary Table III.2. As pointed out in this table, about 25.5 million sheep are estimated to be found in the country, out of which about 72.69 percent are females, and about 27.31 percent are males. According to the survey result, the number of goats reported in the country is estimated to be about 22.78 million. Out of these total goats, 70 percent are females and about 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 - 2010/11**

Age, Breed, and Purpose	Total		Male		Female	
	Number	%	Number	%	Number	%
<b>Total Sheep.....</b>	<b>25,509,004</b>	<b>100</b>	<b>6,966,259</b>	<b>27.31</b>	<b>18,542,746</b>	<b>72.69</b>
Under 6 months.....	6,777,687	26.57	3,270,863	12.82	3,506,824	13.75
6 months - under 1 year.....	2,558,421	10.03	1,099,170	4.31	1,459,251	5.72
1 year - under 2 years.....	2,591,662	10.16	934,179	3.66	1,657,483	6.5
2 years and older.....	13,581,234	53.24	1,662,047	6.52	11,919,187	46.73
<b>Sheep by Breed</b>						
Total.....	25,509,004	100	6,966,259	27.31	18,542,746	72.69
Indigenous.....	25,488,735	99.92	6,955,754	27.27	18,532,981	72.65
Hybrid.....	17,288	0.07	8,070	0.03	9,218	0.04
Exotic.....	2,981	0.01	2,435	0.01	*	*
<b>Sheep Aged 2 Years and Older by Purpose</b>						
Total.....	13,581,234	53.24	1,662,047	6.52	11,919,187	46.73
Used for Mutton.....	706,745	2.77	614,092	2.41	92,653	0.36
Used for Wool.....	88,442	0.35	19,306	0.08	69,136	0.27
Used for Breeding.....	12,648,619	49.58	963,180	3.78	11,685,438	45.81
Used for Other.....	137,428	0.54	65,469	0.26	71,960	0.28
<b>Total Goats.....</b>	<b>22,786,946</b>	<b>100</b>	<b>6,827,422</b>	<b>29.96</b>	<b>15,959,524</b>	<b>70.04</b>
Under 6 months...	5,398,209	23.69	2,533,036	11.12	2,865,173	12.57
6 months - under 1 year.....	2,939,255	12.9	1,276,786	5.6	1,662,469	7.3
1 year - under 2 years.....	2,825,511	12.4	1,033,521	4.54	1,791,990	7.86
2 years and older.....	11,623,972	51.01	1,984,080	8.71	9,639,892	42.3
<b>Goats by Breed</b>						
Total.....	22,786,946	100	6,827,422	29.96	15,959,524	70.04
Indigenous.....	22,783,376	99.98	6,826,725	29.96	15,956,652	70.03
Hybrid.....	3,228	0.01	*	*	*	*
Exotic.....	*	*	-	-	*	*
<b>Goats Aged 2 Years and Older by Purpose</b>						
Total.....	11,623,972	51.01	1,984,080	8.71	9,639,892	42.3
Used for Milk.....	704,559	3.09			704,559	3.09
Used for Meat.....	781,371	3.43	719,630	3.16	61,740	0.27
Used for Breeding.....	10,022,870	43.99	1,186,270	5.21	8,836,601	38.78
Used for Other.....	115,172	0.51	78,180	0.34	36,992	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 (53.2 percent and 51.1 percent, in that order). These are followed by the young stock under six months for both sheep and goats i.e. about 26.57 percent and 23.69 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 (99.92 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 (53.24% of the total sheep), 49.58 percent are kept for breeding; about three percent for mutton and less than one percent of them were kept for wool production. Likewise, amid the goat population aged two years and older (51.01% of the total), goats kept for breeding accounted for about 43.99 percent while goats kept for meat accounted for 3.43 percent. The number of female goats kept for milk at country level is estimated to be about 704 thousand, which is 3.09 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

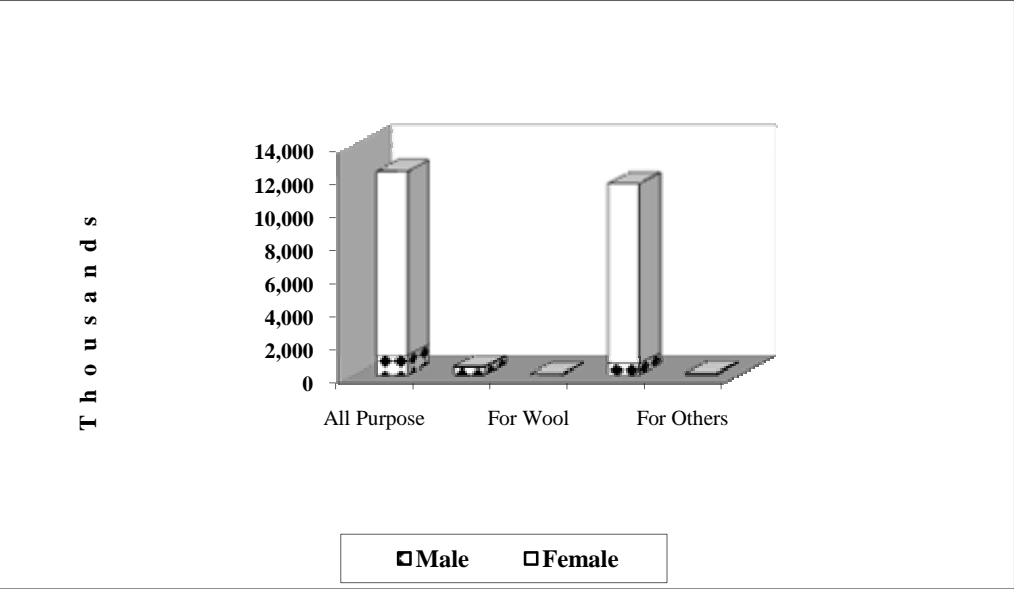
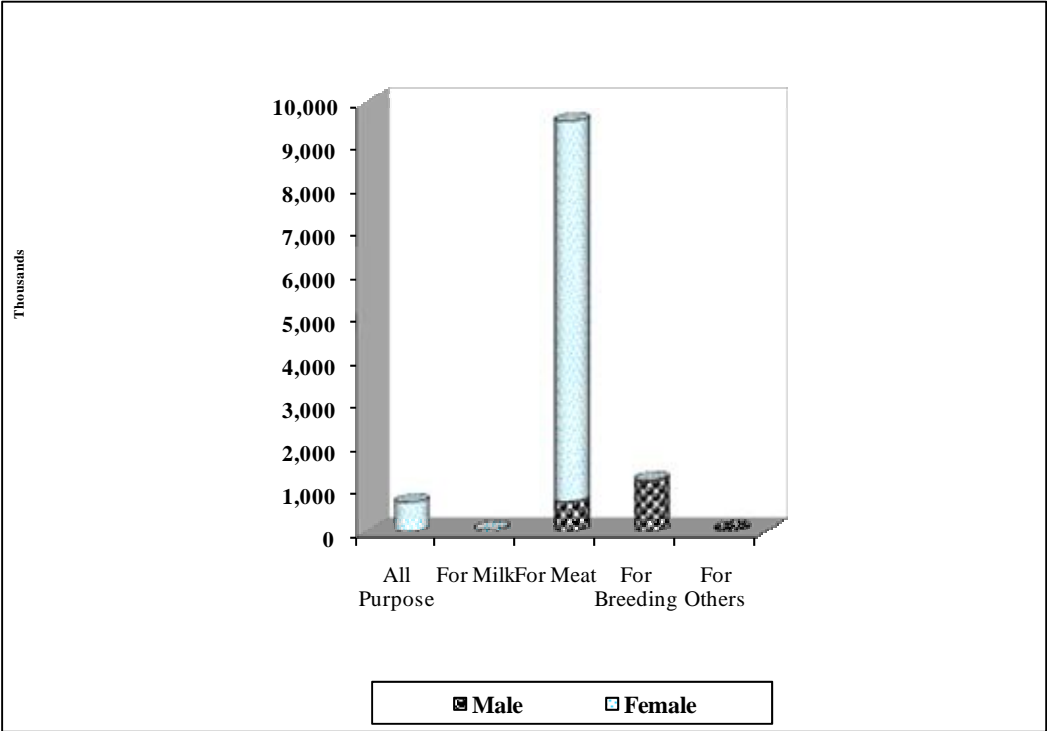


FIGURE III.5 DISTRIBUTION OF GOATS AGED 2 YEARS AND OLDER BY SEX, AND PURPOSE



The numbers and percentage distributions of sheep and goats at regional level are given in the *Statistical Tables* and 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 2 million horses, 6.2 million donkeys, 0.38 million mules, and about 1.1 million camels in the sedentary areas of the country.

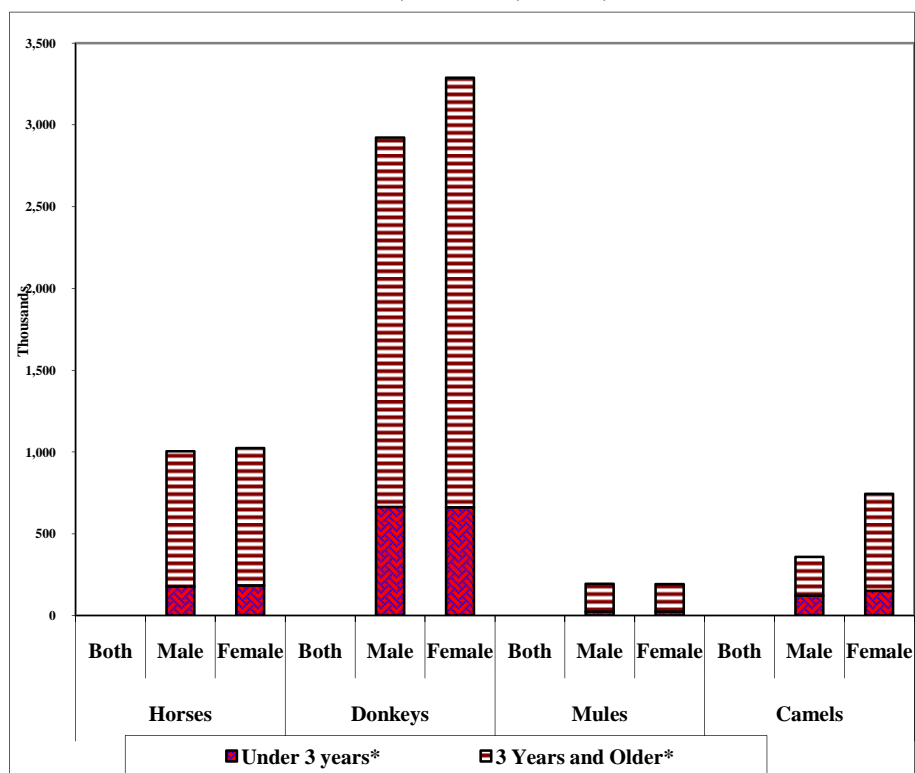
As indicated in the same table, donkeys are the overwhelming majority compared with the other draught animals. Out of the total donkey population in the country, about 52.94 percent are females and the remaining 47.06 percent are males. With respect to age distribution, the majorities of the horses, donkeys and mules are of the age group 3 years and older. Furthermore, 75.21 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 1.2 million were used for transportation, 0.21 million were for draught and the remaining 0.21 million were used for other purposes. With regard to donkeys, about 3.8 million were used for transportation whereas about 0.83 million and 0.23 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 - 2010/11**

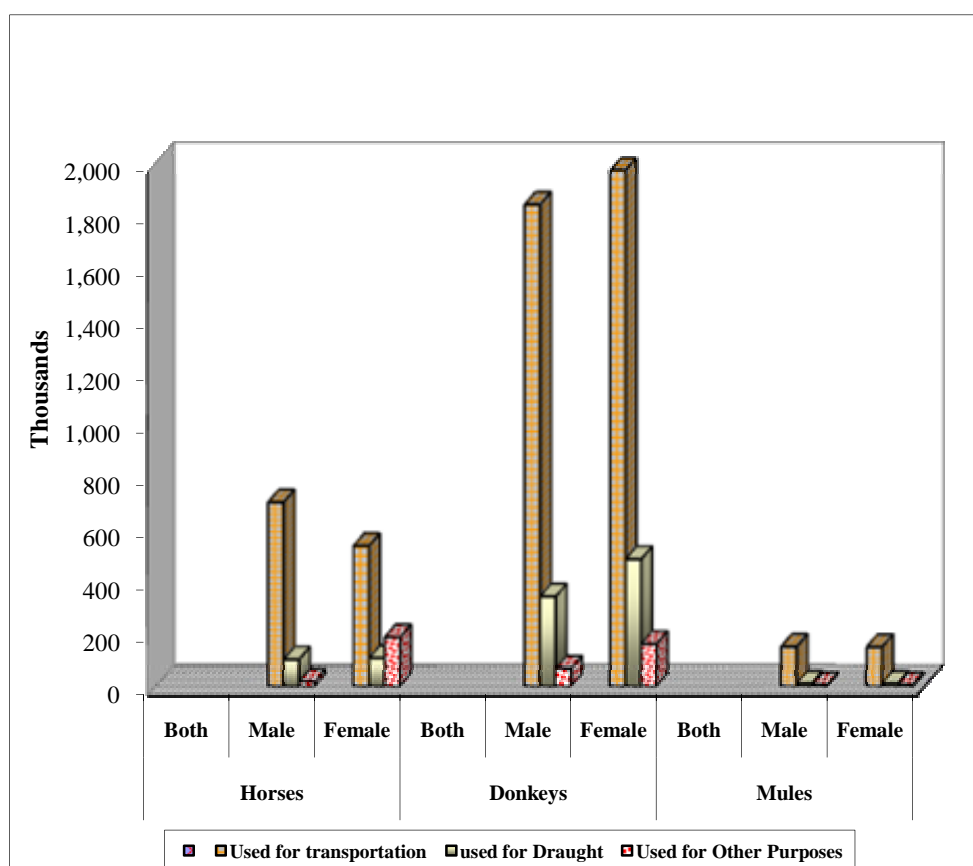
Age, Breed, and Purpose	Total		Male		Female	
	Number	%	Number	%	Number	%
Total Horses .....	2,028,233	100	1,005,15	49.56	1,023,075	50.44
Under 3 Years.....	361,879	17.84	177,439	8.75	184,440	9.09
3 years and older.....	1,666,353	82.16	827,719	40.81	838,634	41.35
Horses Aged 3 Years and Older by Purpose						
All Uses .....	1,666,353	82.16	827,719	40.81	838,634	41.35
Transportation.....	1,243,742	61.32	705,016	34.76	538,727	26.56
Draught .....	215,378	10.62	105,176	5.19	110,202	5.43
Other Uses.....	207,233	10.22	17,527	0.86	189,706	9.35
Total Donkeys .....	6,209,665	100	2,921,97	47.06	3,287,693	52.94
Under 3 Years...	1,325,375	21.34	664,381	10.7	660,993	10.64
3 years and older.....	4,884,291	78.66	2,257,59	36.36	2,626,700	42.3
Donkeys Aged 3 Years and Older by Purpose						
All Uses .....	4,884,291	78.66	2,257,59	36.36	2,626,700	42.3
Transportation.....	3,816,236	61.46	1,842,16	29.67	1,974,071	31.79
Draught .....	833,419	13.42	345,381	5.56	488,038	7.86
Other Uses.....	234,636	3.78	70,046	1.13	164,590	2.65
Total Mules .....	385,374	100	193,304	50.16	192,070	49.84
Under 3 Years.....	48,867	12.68	24,412	6.33	24,456	6.35
3 years and older.....	336,507	87.32	168,892	43.83	167,615	43.49
Mules Aged 3 Years and Older by Purpose						
All Uses .....	336,507	87.32	168,892	43.83	167,615	43.49
Transportation.....	306,581	79.55	153,743	39.89	152,838	39.66
Draught .....	20,907	5.43	10,877	2.82	10,030	2.6
Other Uses.....	9,019	2.34	4,272	1.11	4,747	1.23
Total Camels .....	1,102,119	100	357,298	32.42	744,820	67.58
Under 4 Years.....	273,171	24.79	121,911	11.06	151,260	13.72
4 years and older.....	828,948	75.21	235,387	21.36	593,561	53.86
Camels Aged 4 Years and Older by Purpose						
All Uses .....	828,948	75.21	235,387	21.36	593,561	53.86
Meat.....	25897	2.35	17,826	1.62	8,071	0.73
Milk .....	365939	33.2			365,939	33.2
Transportation.....	219,794	19.94	171,778	15.59	48,016	4.36
Draught .....	13,239	1.2	7,942	0.72	-	-
Other Uses .....	204,078	18.52	37,842	3.43	166,237	15.08

**FIGURE IIL.6 DISTRIBUTION OF HORSES, DONKEYS, MULES, AND CAMELS BY AGE AND SEX**



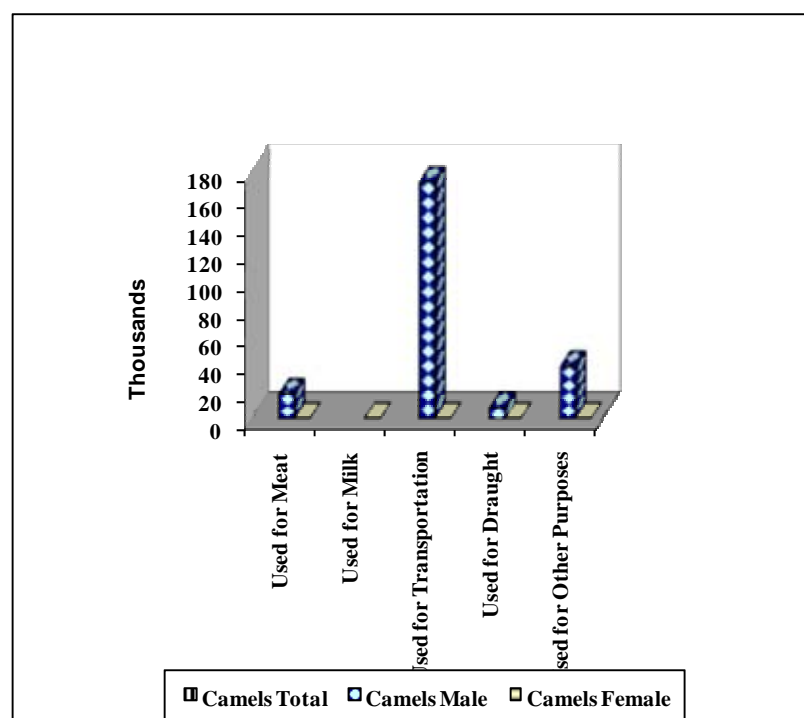
\* Note that for camels the 'Age Categories' are under 4 years and 4 years & older

**FIGURE IIL.7 DISTRIBUTION OF HORSES, DONKEYS, AND MULES BY PURPOSE AND SEX**

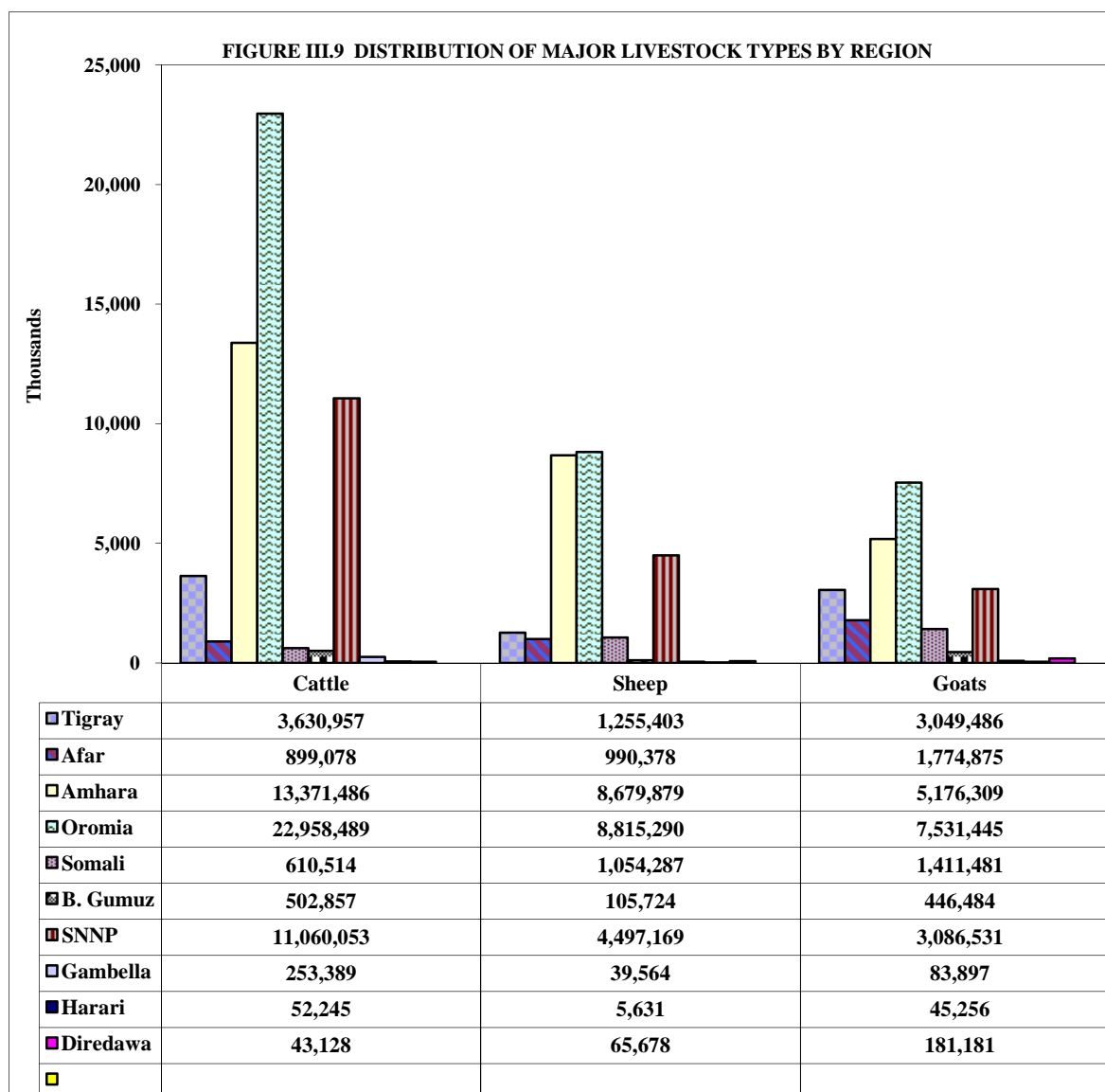


Considering the purpose of the mules, the data shows that the predominance (79.55%) was used for transportation and very few were intended for draught and other purposes. The survey result also indicates that 33.2 percent of the camels reported were kept for milk, 19.94 percent were for transportation, and only 1.2 percent was for draught purposes. On the other hand, the number of camels kept for meat was about 25.89 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.



### 3.1.4 Poultry Population

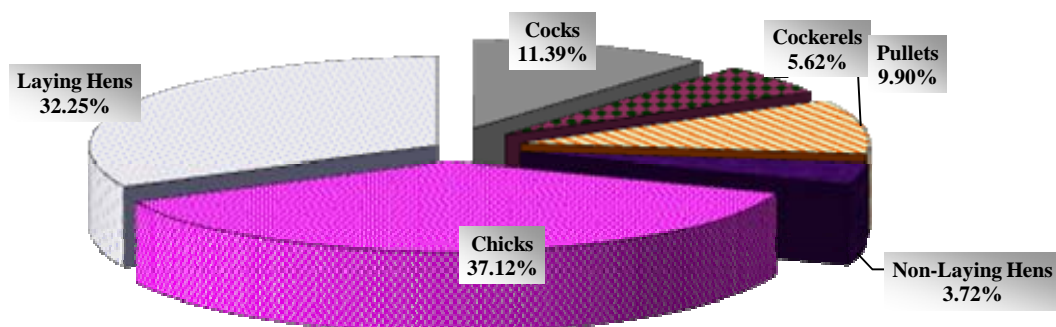
Data on poultry population are collected as part of the livestock survey, and the total poultry population at country level is estimated to be about 49.3 million. In this report, poultry includes cocks, cockerels, pullets, laying hens, non-laying hens and chicks. Consequently, as shown in Summary Table III.4 and Figure III.10, most of the poultry are chicks (37.12 percent), followed by laying hens (32.25 percent). Pullets are estimated to be about 4.9 million in the country. Cocks and cockerels are also estimated separately, and are 5.6 million and about 2.8 million, respectively. The others are non-laying hens that make up about 3.7 percent (1.83 million) of the total poultry population in the country. With regard to breed, 97.3 percent, 0.38 percent and 2.32 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 - 2010/11**

Type of Poultry	All		Indigenous		Hybrid		Exotic	
	Number	%	Number	%	Number	%	Number	%
All Poultry .....	49,286,932	100	47,954,978	97.3	188,032	0.38	1,143,922	2.32
Cocks .....	5,614,700	11.39	5,453,314	11.06	38,576	0.08	122,810	0.25
Cockerels .....	2,771,221	5.62	2,693,888	5.47	8,397	0.02	68,936	0.14
Pullets .....	4,878,184	9.9	4,728,009	9.59	24,056	0.05	126,119	0.26
Non-Laying Hens .....	1,834,686	3.72	1,780,122	3.61	11,355	0.02	43,208	0.09
Chicks .....	18,294,799	37.12	17,927,274	36.37	15,560	0.03	351,966	0.71
Laying Hens .....	15,893,342	32.25	15,372,372	31.19	90,087	0.18	430,883	0.87

**FIGURE III.10 DISTRIBUTION OF POULTRY BY TYPE**  
Total=



### 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).

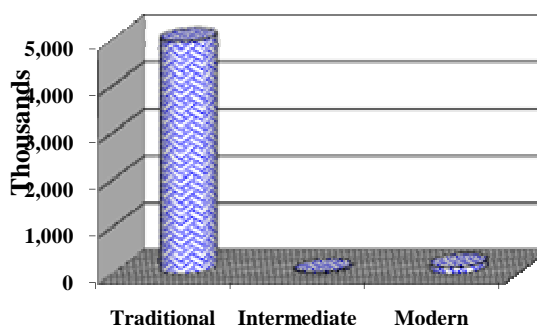
Any type of the above beehives was enumerated if it produced honey at least once during the reference period (November 11, 2009 to November 10, 2010). Accordingly, the result of the survey revealed that a total of about 5.1 million hives is estimated to be found in the rural

sedentary areas of the country. From this total hives, the greater part (96.38 percent) is reported to be traditional (see Summary Table III.5).

SUMMARY TABLE III.5: Estimated Number of Beehives by Type,  
Ethiopia - 2010/11

Type of Beehive	Number	%
All Beehives .....	5,130,322	100
Traditional Beehives .....	4,944,380	96.38
Intermediate Beehives .....	41,684	0.81
Modern Beehives .....	144,258	2.81

FIGURE III.11 DISTRIBUTION OF BEEHIVES BY TYPE



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 64.69 million chickens, 11.18 million sheep, 10.33 million cattle and 9.45 million goats were born during the reference period in the rural sedentary 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 19.33 million animals (either to build their stock or for some other reasons) and acquired about 1.82 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 - 2010/11**

Type of Livestock	Number of Births			Number of Purchases			Acquired by any Other Means		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
Cattle .....	10,335,933	4,899,760	5,436,173	4,122,610	2,404,731	1,717,879	668,572	255,776	412,797
Sheep.....	11,187,626	5,288,969	5,898,658	3,879,481	1,970,167	1,909,314	369,278	78,723	290,555
Goats .....	9,454,904	4,327,299	5,127,605	1,884,645	693,568	1,191,076	255,133	50,171	204,962
Horses.....	171,296	84,979	86,318	212,755	127,132	85,623	13,863	4,282	9,581
Donkeys .....	540,928	279,995	260,933	659,151	378,674	280,477	25,824	9,980	15,844
Mules.....	21,519	11,303	10,216	90,309	36,896	53,414	1,355	*	*
Camels.....	156,504	63,464	93,040	40,047	31,643	8,404	3,290	1,553	1,737
Poultry .....	64,697,488	30,624,492	34,072,996	8,466,466	3,731,582	4,734,884	450,053	108,289	341,764

### **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 11.17 million chickens, 5.81 million sheep, 5.5 million cattle and about 4.50 million goats were sold and about 17.77 million animals (chicken, cattle, sheep, goats and camels) were slaughtered by households during the reference period. The estimated number of deaths is about 57.96 million animals and households have also offered about 1.77 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 - 2010/11

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	5,538,736	3,340,565	2,198,171	417,327	239,711	177,616	4,092,986	1,811,526	2,281,460	524,800	219,065	305,735
Sheep	5,810,528	3,164,843	2,645,685	3,273,016	2,380,597	892,418	5,727,118	1,862,568	3,864,550	297,728	102,557	195,171
Goats	4,496,692	2,314,765	2,181,927	1,916,553	1,303,316	613,236	5,125,629	1,751,705	3,373,924	211,554	65,613	145,940
Horses	135,641	86,040	49,601				200,686	90,492	110,194	3,991	1,694	2,298
Donkeys	373,479	216,478	157,001				443,790	223,533	220,257	15,809	6,557	9,251
Mules	*	27,216	*				28,085	14,380	13,705	*	*	*
Camels	59,910	49,345	10,565	7,910	5,611	2,299	51,420	22,762	28,657	1,714	*	*
Poultry	11,176,267	6,169,657	5,006,610	12,154,580	7,599,645	4,554,936	42,286,955	18,847,268	23,439,688	410,494	136,555	273,939

\* 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 areas of the country during the reference period, is about 4.06 billion liters. On the other hand, the estimate of camel milk for the same areas of the country is about 262.8 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 1.85 liters. With regard to camel, the average lactation period is about *fifteen* months whereas the average daily milk yield is about 4.26 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 53.68 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 1.55, 1.65, and 1.52 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 98.3 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 4, 6 and 1 for the local, hybrid and exotic breeds, respectively. The average length of a single egg-laying period per hen is estimated to be about 21, 36 and 105 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, 30 and 74 eggs, correspondingly (see Summary Table III.8)

**SUMMARY TABLE III.8: Milk, Honey, and Egg Production,  
Ethiopia - 2010/11**

Item	Quantity Produced and Frequency		
<b>Milk Production</b>			
<b>Cow Milk</b>			
Average Daily Milk Production (Liters/Cow)...			1.857
Average Lactation Period (Months) .....			6
Total Milk Production (Liters) .....			4,057,998,244
<b>Camel Milk</b>			
Average Daily Milk Production (Liters/Camel)...			4.266
Average Lactation Period (Months) .....			15
Total Milk Production (Liters) .....			262,821,534
<b>Honey Production</b>			
All Types of Beehives (Number).....			5,130,322
Production (Kilograms) .....			53,675,361
Average Frequency (Harvests/Year) .....			1.55
Traditional Beehives (Number).....			4,944,380
Production (Kilograms) .....			51,023,303
Average Frequency (Harvests/Year) .....			1.55
Intermediate Beehives (Number).....			41,684
Production (Kilograms) .....			387,450
Average Frequency (Harvests/Year) .....			1.65
Modern Beehives (Number).....			144,258
Production (Kilograms) .....			2,264,608
Average Frequency (Harvests/Year) .....			1.52
<b>Egg Production</b>	<b>Indigenous</b>	<b>Hybrid</b>	<b>Exotic</b>
Average Number of Egg-laying Period/Year.....	4	6	1
Average Length of a Period (in days).....	21	36	105
Average Number of Eggs/Hen/Period.....	12	30	74
Total Egg Production (Number).....	89,724,654	7,771,463	804,935

### **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 - 2010/11**

Type of Livestock	Total Vaccinated	Vaccinated against:				
		Anthrax <sup>3</sup>	Blackleg <sup>4</sup>	Pleuro-Pneumonia <sup>5</sup>	Hemorrhagic Septicemia <sup>6</sup>	Others
Cattle .....	17,374,674	4,937,871	5,853,944	1,804,092	3,031,224	1,747,542
Sheep.....	3,023,407	344,489	304,057	809,948	851,347	713,565
Goats .....	3,138,474	293,292	296,934	695,908	1,045,349	806,991
Camels.....	-	-	-	-	-	-
<b>Total</b>	<b>23,536,555</b>	<b>5,575,652</b>	<b>6,454,935</b>	<b>3,309,948</b>	<b>4,927,920</b>	<b>3,268,098</b>

**SUMMARY TABLE III.9b: Estimated Numbers of Livestock Afflicted and  
Treated, Ethiopia - 2010/11**

Item	Number	%
<b>Total Afflicted .....</b>	<b>46,228,353</b>	<b>100</b>
Cattle .....	8,960,286	19.38
Sheep .....	6,647,823	14.38
Goats .....	5,411,326	11.71
Horses, Donkeys, and Mules .	1,132,386	2.45
Camels.....	76,567	0.17
Poultry .....	23,999,966	51.92
<b>Total Treated .....</b>	<b>10,247,061</b>	<b>22.17</b>
Cattle .....	5,105,865	49.83
Sheep .....	2,110,925	20.60
Goats .....	1,201,102	11.72
Horses, Donkeys, and Mules .	510,791	4.98
Camels.....	14,596	0.14
Poultry .....	1,303,781	12.73

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 23.54 million. Out of these animals, about 73.81 percent were cattle followed by goats, which took about 13.33 percent share. Sheep also accounted for about 12.84 percent of the total vaccinated animals. The survey results revealed that no information was given on camel vaccination during the reference period.

<sup>3</sup> Anthrax- is an infectious disease of animals especially cattle and sheep that causes skin ulcers and is transmittable to humans by inhalation and through feces and infected meat.

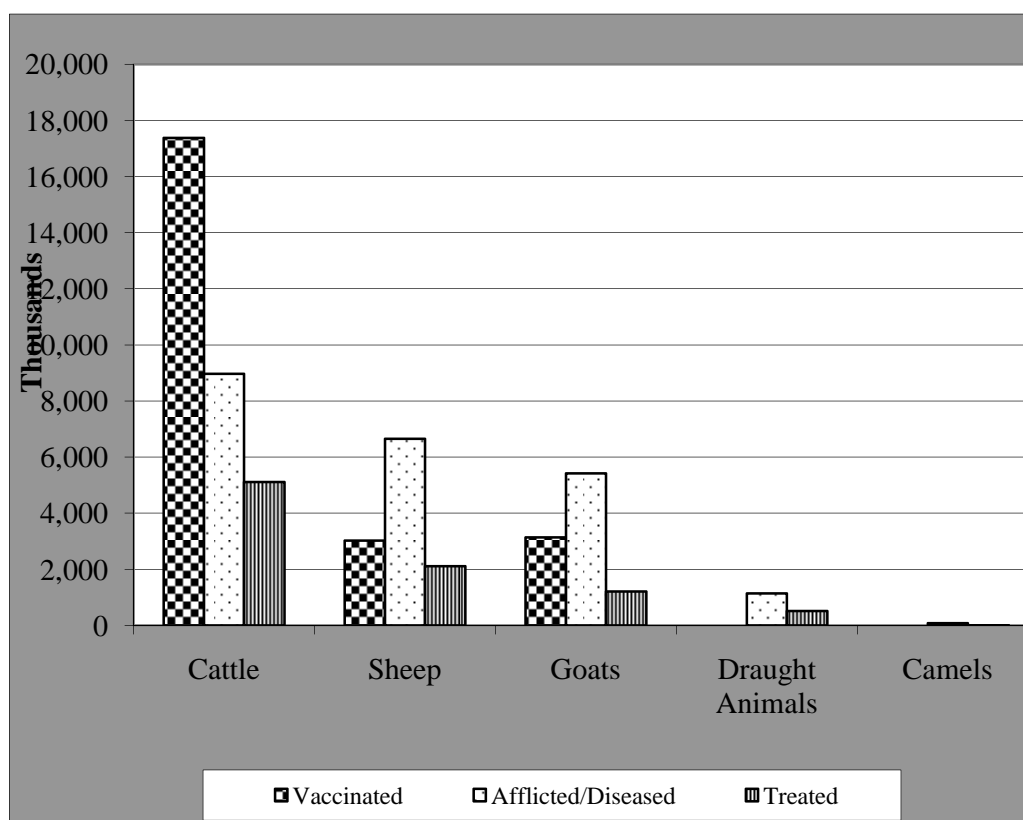
<sup>4</sup> Blackleg- is an infectious bacterial disease of farm animals that causes swellings on the legs.

<sup>5</sup> Pleuro-pneumonia – is an infectious bacterial disease of animals mainly cattle that causes cough and fever and is transmittable to other animals easily.

<sup>6</sup> Hemorrhagic- septicemia- is an infectious bacterial disease of animals.

As indicated in Summary Tabel III.9b, about 46.2 million animals were diseased / afflicted by different types of diseases during the reference period and only about 10.25 million of them were treated. The cattle constituted about 49.83 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<sup>7</sup>

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).

<sup>7</sup> The measures of size used for classification were adapted from FAO recommendation (2005).

Most of the holdings, about 53.21 percent, reported one to four cattle and considerable portion (20.57 percent) of the holdings possess five to nine cattle. About 20.24 percent of the total holdings were also without cattle during the reference date (Summary Table III.10a).

Summary Table III.10a: Number of Holdings by Size of Cattle,  
Ethiopia - 2010/11

Size	Number of Holdings	%
All Holdings.....	15,087,857	100
Holdings with no Cattle...	3,053,376	20.24
1-2 Head.....	4,087,174	27.09
3-4 Head.....	3,941,672	26.12
5-9 Head.....	3,103,524	20.57
10-19 Head.....	755,661	5.01
20-49 Head.....	134,639	0.89
50-99 Head.....	9,986	0.07
100-199 Head.....	1,613	0.01
>=200 Head.....	212	*

The result of the survey also revealed that about 22.81 percent and 16.2 percent of the total holdings were with one to four head of sheep and goats, in that order. The majority of the holdings, about 65.04 percent and about 73.54 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 – 2010/11

Size	Sheep		Goats	
	Number Of Holdings	%	Number of Holdings	%
All Holdings.....	15,087,857	100	15,087,857	100
Holdings with no Sheep/Goats.	9,813,701	65.04	11,094,977	73.54
1-4 Head.....	3,441,077	22.81	2,444,012	16.2
5-9 Head.....	1,281,789	8.5	998,763	6.62
10-49 Head.....	540,231	3.58	526,862	3.49
50-99 Head.....	9,532	0.06	19,848	0.13
100-199 Head.....	1,259	0.01	2,782	0.02
200-499 Head.....	268	*	613	*
>=500 Head.....	-	-	-	-

With regard to draught animals, from the holdings that owned draught animals, most of them were with one to two head. About 98.67 percent, 97.66 percent, 91.23 percent, and 71.07 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 - 2010/11

Size	Horses		Donkeys		Mules		Camels	
	Number of Holdings	%	Number of Holdings	%	Number of Holdings	%	Number of Holdings	%
All Holdings.....	15,087,857	100	15,087,857	100	15,087,857	100	15,087,857	100
Holdings with no Animals.	13,763,978	91.23	10,722,614	71.07	14,734,437	97.66	14,887,127	98.67
1-2 Head.....	1,172,815	7.77	4,056,103	26.88	350,212	2.32	103,639	0.69
3-4 Head.....	129,233	0.86	283,221	1.88	2,152	0.01	31,632	0.21
5-9 Head.....	20,406	0.14	24,804	0.16	1,056	0.01	33,443	0.22
>= 10 Head.....	1,425	0.01	1,115	0.01	-	-	32,016	0.21

The size of poultry that most holdings reported is the one to nine size group followed by the 10 to 49 size group. Sizeable (43.68 percent) holdings were also without poultry (see Summary Table III.10d).

Summary Table III.10d: Number of Holdings by size of Poultry,  
Ethiopia - 2010/11

Size	Number of Holdings	%
All Holdings.....	15,087,857	100
Holdings with no Poultry...	6,591,080	43.68
1-9 Head.....	6,903,398	45.75
10-49 Head.....	1,590,239	10.54
50-99 Head.....	3,128	0.02
100-199 Head.....	12	*
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.

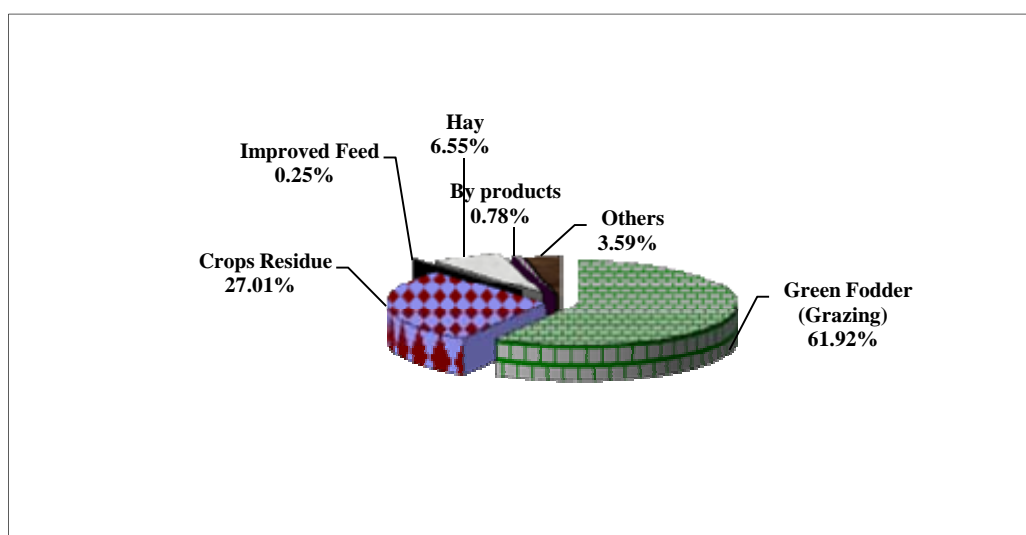
According to the information collected on feed usage experience of holders in the rural areas of the country, green fodder (grazing) is the major type of feed (about 58.67percent) followed by crops residue that is 29.19 percent. Hay and by-products were also used as

animal feeds that comprise about 7.35 and 0.83 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 0.25 percent) was used as animal feed and other types of feed that accounted for about 3.71 percent were also used in the country.

**SUMMARY TABLE III.11: Animal Feed Practices in Ethiopia - 2010/11**

Item	Number of Holders Reporting	Percentage from the total feed utilized
Total		100
Green Fodder/Grazing .....	13,158,864	58.67
Crops Residue.....	11,073,996	29.19
Improved Feed.....	178,567	0.25
Hay .....	4,373,819	7.35
By-products .....	806,919	0.83
Others .....	3,632,505	3.71

**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 13.16 million holders have used green fodder to feed their animals. Significant number of holders (about 11.07 million) in the rural areas of the country also reported that they used to feed crops residue for their animals. Moreover, about 4.3 million, and about 0.8 million holders have reported to use hay and by-products, respectively. Quite a number of holders (about 3.6 million) as well reported to use other types of feeds while about 178 thousand holders used improved feed during the reference period.

Sources of animal feeds were also assessed and own holdings were the major source of all types of feeds for the majority of the holders during the reference period. Communal holdings were also observed as the main sources of green fodder for considerable number of holders. Substantial numbers of holders have 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 - 2010/11**

Source of Feed	Green fodder/ Grazing	Crops Residue	Improved Feed	Hay	By- products	Others
All Sources.....	13,158,864	11,073,995	178,567	4,373,819	806,919	3,632,506
Own Holding.....	5,474,665	9,749,707	118,708	2,823,248	310,134	2,442,369
Purchased.....	269,790	222,576	39,322	701,696	444,742	649,858
Communal Holdings/Government	4,054,439	201,248	8,317	107,245	3,349	51,673
From any Two or More Sources...	3,155,854	791,086	11,105	679,788	39,617	302,761
Other Sources.....	204,116	109,378	1,115	61,842	9,077	185,845

### 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 48 thousand holders (about 24.59 percent of the total holders) were involved in livestock extension packages during the reference period. More than 98 thousand holders were involved in beef and poultry development packages. About a 48 thousand of them were engaged in dairy development packages whereas about 12.98 % of them have practiced honey and wax development package. Moreover, about 3.25 % of the 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 - 2010/11**

Type of Livestock Extension Packages	Number of Holders Practiced	%
Total .....	195,251	100
Dairy Development Package.....	48,021	24.59
Beef/Meat/Mutton Development Package.....	56,700	29.04
Poultry Development Package.....	41,626	21.32
Honey and Wax Development Package.....	25,336	12.98
Two or More of the Packages.....	6,338	3.25
others	17,230	8.82



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

**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>	53,382,194	25,509,004	22,786,946	2,028,233	6,209,665	385,374	1,102,119	49,286,932	5,130,322
<b>Tigray</b>	3,630,957	1,255,403	3,049,486	2,108	568,121	4,229	34,205	4,308,595	213,133
North West Tigray	975,646	70,710	907,385	*	99,275	*	5,663	994,147	26,061
Central Tigray	732,701	287,625	993,935	-	151,308	*	3,511	1,117,881	73,617
Eastern Tigray	405,097	518,835	240,341	*	97,376	*	*	690,006	51,502
Southern Tigray	699,559	269,098	398,503	950	160,761	2,154	13,030	845,548	52,699
Western Tigray	817,952	109,135	509,322	*	59,401	*	*	661,014	9,254
<b>Afar</b>	899,078	990,378	1,774,875	-	65,951	*	379,228	67,319	*
Zone 1	579,865	687,551	1,083,567	-	43,688	-	165,776	*	-
Zone 3	319,213	302,827	691,308	-	22,264	*	213,452	66,874	*
<b>Amhara</b>	13,371,486	8,679,879	5,176,309	396,231	2,241,741	120,459	51,472	14,048,486	911,986
North Gonder	2,446,359	757,210	1,147,203	20,669	299,598	7,183	*	3,205,149	117,644
South Gonder	1,754,214	957,912	616,826	30,120	289,085	15,378	-	1,608,728	132,192
North Wolo	923,810	775,413	577,472	35,247	189,149	7,916	10,918	1,132,383	58,612
South Wolo	1,673,334	1,944,501	737,587	83,301	380,298	22,702	9,761	2,007,699	134,777
North Shewa	1,245,842	1,536,429	656,303	41,030	341,720	11,984	9,526	1,442,626	52,136
East Gojam	1,741,679	1,187,398	403,474	88,984	342,470	13,874	-	1,135,761	124,881
West Gojam	2,044,085	836,413	238,528	*	221,158	29,265	-	2,042,455	153,192
Waghamera	339,747	172,680	429,240	*	73,068	2,903	-	346,745	47,970
Awi	868,801	418,805	132,292	67,010	62,762	9,077	-	786,644	74,721
Oromia	305,094	90,473	215,404	-	38,524	*	*	304,642	12,980
Argoba Special Wereda	28,520	2,645	21,981	-	3,908	*	971	35,654	2,881
<b>Oromia</b>	22,958,489	8,815,290	7,531,445	1,176,301	2,617,107	181,381	326,069	18,762,281	2,761,204
West Wellega	918,028	269,959	132,773	*	93,673	4,026	-	1,238,111	326,551
East Wellega	1,209,379	259,941	174,822	*	95,178	5,162	-	1,017,752	185,601
Illubabor	1,012,839	385,880	188,258	39,890	27,270	10,373	-	1,083,856	480,655
Jimma	2,317,678	824,485	310,642	97,716	72,667	23,638	-	1,804,739	479,703
West Shewa	2,101,502	903,165	314,629	163,650	175,126	9,454	-	1,634,670	160,729
North Shewa	1,405,890	967,798	225,381	94,775	211,537	11,028	*	740,577	41,101
East Shewa	1,031,652	320,326	475,393	14,861	255,548	5,338	*	962,232	13,764
Arsi	2,455,313	1,371,246	696,053	225,664	356,047	22,936	*	1,877,288	130,073
West Harerghe	1,179,638	181,959	952,611	-	217,267	*	*	1,429,655	82,587
East Harerghe	1,395,752	504,906	1,203,562	*	294,703	*	29,170	1,719,198	63,440
Bale	1,506,467	355,260	723,055	76,976	214,437	29,524	*	671,317	207,745
Borena	1,125,594	290,457	770,739	*	71,968	*	99,865	619,783	50,922
South West Shewa	1,028,492	310,180	267,108	52,372	175,142	7,810	-	821,561	62,506
Guji	1,464,565	587,683	517,862	180,248	68,312	29,203	*	955,036	218,765
West Arsi	1,697,603	866,354	347,043	174,132	191,312	3,899	-	1,064,719	70,532
Kelem Wellega	410,368	204,230	86,378	8,124	30,142	4,679	-	629,650	75,875
Horoguduru Wellega	697,729	211,461	145,137	37,635	66,779	4,328	-	492,138	110,657

TABLE 3-1 CONT'D

Geographic Area	ALL LIVESTOCK								
	CATTLE	SHEEP	GOATS	HORSES	DONKEYS	MULES	CAMELS	POULTRY	BEEHIVES
<b>Somale</b>	610,514	1,054,287	1,411,481	-	100,367	*	301,323	106,114	620
Shinele	15,246	78,496	245,204	-	8,225	*	16,951	3,575	*
Jijiga	248,435	666,130	503,881	-	39,290	-	72,390	10,548	*
Liben	346,833	309,661	662,395	-	52,852	*	211,982	91,991	237
<b>Benshangul-Gumuz</b>	502,857	105,724	446,484	*	64,639	2,624	-	1,149,069	259,005
Metekel	399,660	62,598	176,207	*	30,557	2,158	-	493,442	118,770
Asosa	61,234	19,729	191,383	-	25,137	*	-	439,969	73,495
Kemeshi	27,468	12,536	59,206	-	5,603	*	-	136,060	23,133
Mao Komo	14,495	10,862	19,688	-	3,341	*	-	79,598	43,607
<b>SNNP</b>	11,060,053	4,497,169	3,086,531	451,799	526,621	75,331	*	10,407,807	922,420
Gurage	1,184,337	392,739	156,696	66,032	87,555	5,373	-	718,726	44,324
Hadiya	761,197	239,767	107,524	27,426	76,279	8,367	*	890,475	42,851
Kembata Tembaro	317,239	106,123	41,110	7,690	19,725	1,812	-	316,107	19,551
Sidama	2,077,636	377,506	298,866	66,273	70,059	7,397	-	1,588,941	58,820
Gedio	160,645	222,220	13,860	28,079	7,698	5,628	-	270,277	28,934
Wolayita	767,154	202,876	104,425	-	29,290	1,216	-	881,518	*
South Omo	944,434	546,620	968,531	17,894	*	4,484	*	611,606	74,387
Shaka	127,811	55,562	14,371	6,007	1,764	450	-	179,620	75,467
Kaffa	916,663	448,546	216,243	81,050	*	12,646	-	1,013,650	*
Gamo Gofa	1,438,752	800,704	336,941	76,664	40,028	11,362	-	1,050,744	60,996
Bench Maji	478,309	226,976	98,243	12,648	*	2,887	-	764,762	93,730
Yem Sp. Wereda	68,449	28,006	23,503	1,112	3,633	154	-	48,014	12,479
Amaro Sp. Wereda	132,540	55,333	67,547	3,291	*	1,469	-	126,637	15,207
Burji Sp. Wereda	45,011	2,088	25,775	-	4,588	99	-	29,354	1,074
Konso Sp. Wereda	136,936	105,839	193,356	-	6,833	-	-	174,881	*
Derashe Sp. Wereda	73,434	30,445	63,953	*	11,917	414	-	145,499	4,966
Dawro	388,164	117,123	63,468	6,312	2,965	7,444	-	326,047	29,428
Basketo Sp. Wereda	39,756	19,275	10,932	422	349	608	-	54,473	3,787
Konta Sp. Wereda	106,438	26,888	17,919	1,695	*	826	-	139,640	5,695
Silte	704,174	408,837	193,590	43,575	90,155	2,319	-	818,073	33,137
Alaba Sp. Wereda	190,971	83,698	69,680	4,607	40,038	378	-	258,763	15,241
Gambela region	253,389	39,564	83,897	*	*	-	-	303,019	59,327
Agnuwak	13,126	*	6,826	-	*	-	-	87,034	14,065
Nuware	192,346	24,859	59,798	-	-	-	-	96,397	-
Mezhenger	19,708	9,171	1,646	*	*	-	-	51,502	45,262
Itang Special	28,208	4,541	15,627	-	-	-	-	68,087	-
<b>Harari</b>	52,245	5,631	45,256	-	9,679	-	*	53,277	1,043
Hundene	52,245	5,631	45,256	-	9,679	-	*	53,277	1,043
<b>Dire Dawa</b>	43,128	65,678	181,181	-	14,992	-	6,425	80,963	897

**TABLE 3-2: NUMBER OF CATTLE BY AGE AND SEX OF ANIMAL, ZONE, ZONE, 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>	53,382,194	2,348,148	2,176,962	3,606,810	14,884,790	900,637	2,599,782	2,492,152	4,621,923	19,082,651	668,339
<b>Tigray</b>	3,630,957	163,616	123,275	243,496	1,127,782	87,741	187,226	158,579	293,070	1,188,850	57,320
North West Tigray	975,646	42,673	39,025	69,366	266,685	17,555	51,804	45,709	87,744	336,873	18,213
Central Tigray	732,701	25,846	15,167	45,782	290,600	30,309	22,907	24,767	50,320	217,576	9,428
Eastern Tigray	405,097	18,751	10,832	30,737	136,294	9,250	21,161	13,973	35,972	126,184	1,945
Southern Tigray	699,559	28,576	21,859	44,705	258,561	15,514	32,012	28,802	50,138	214,641	4,753
Western Tigray	817,952	47,770	36,393	52,906	175,643	15,114	59,342	45,329	68,895	293,578	22,982
<b>Afar</b>	899,078	41,740	32,563	32,541	76,552	1,769	72,789	62,235	106,830	453,549	*
Zone 1	579,865	25,528	21,806	20,765	49,869	*	44,871	39,270	65,755	297,397	*
Zone 3	319,213	16,212	10,757	11,775	26,683	*	27,918	22,964	41,075	156,152	*
<b>Amhara</b>	13,371,486	532,240	378,167	926,626	4,605,562	491,780	568,798	410,335	1,024,981	4,210,501	222,494
North Gonder	2,446,359	116,111	78,700	177,795	712,248	45,994	142,030	93,134	230,678	825,553	24,115
South Gonder	1,754,214	71,937	55,347	115,568	556,925	121,365	68,626	61,576	138,596	524,987	39,287
North Wolo	923,810	39,994	30,576	64,295	290,000	22,114	46,909	38,743	66,640	304,678	19,861
South Wolo	1,673,334	72,933	56,021	129,057	626,235	31,122	78,769	53,760	112,846	492,284	20,307
North Shewa	1,245,842	41,517	35,176	84,359	519,054	56,643	39,455	37,562	73,635	348,025	10,417
East Gojam	1,741,679	58,930	35,522	106,693	649,710	116,545	53,265	42,926	102,025	535,478	40,585
West Gojam	2,044,085	57,388	45,212	134,512	787,634	74,748	58,508	40,926	168,578	630,101	46,478
Waghamera	339,747	18,900	7,836	15,963	109,869	7,323	22,010	11,580	23,717	118,676	3,872
Awi	868,801	35,740	21,172	72,568	258,704	10,090	37,899	19,149	79,656	318,406	15,418
Oromia	305,094	17,448	11,656	23,568	85,940	5,518	19,514	9,721	26,411	103,422	1,897
Argoba S. W.	28,520	1,344	950	2,248	9,243	318	1,815	1,256	2,199	8,891	256
<b>Oromia</b>	22,958,489	968,899	1,017,417	1,610,162	6,592,895	267,405	1,091,334	1,153,884	1,972,856	8,041,662	241,975
West Wellega	918,028	33,299	41,381	69,212	278,507	2,624	35,836	43,181	68,145	341,457	4,385
East Wellega	1,209,379	48,686	51,071	95,924	346,971	17,126	49,333	60,329	104,379	412,887	22,672
Illubabor	1,012,839	37,852	54,456	80,495	287,997	8,967	43,339	52,981	93,774	344,928	8,049
Jimma	2,317,678	94,254	100,786	166,244	714,295	*	99,067	124,769	211,562	791,000	*
West Shewa	2,101,502	76,020	103,837	151,586	649,537	49,898	93,680	95,021	167,935	673,700	40,288
North Shewa	1,405,890	53,394	53,634	103,521	479,406	23,955	63,998	52,737	114,124	446,921	14,201
East Shewa	1,031,652	36,190	40,258	51,037	422,341	25,847	32,319	42,491	63,091	306,527	11,552
Arsi	2,455,313	109,571	96,033	158,538	791,067	41,031	120,225	106,661	185,001	817,596	29,589
West Harerghe	1,179,638	54,459	44,141	103,687	316,834	*	65,126	63,029	124,727	398,520	6,782
East Harerghe	1,395,752	87,100	59,336	142,381	229,855	*	95,368	69,960	162,211	537,833	11,337
Bale	1,506,467	51,773	64,763	92,334	464,316	14,856	55,398	77,555	118,256	548,839	18,379
Borena	1,125,594	61,764	66,533	65,731	194,204	*	74,585	73,469	101,339	481,114	5,830
South West Shewa	1,028,492	29,021	38,095	53,415	396,116	43,345	29,466	39,196	70,314	317,941	11,583
Guji	1,464,565	76,084	67,442	90,492	296,527	*	98,614	95,248	131,453	595,233	11,921
West Arsi	1,697,603	83,783	86,481	105,870	358,002	*	99,842	98,493	164,334	663,705	25,425
Kelem Wellega	410,368	13,553	18,399	30,206	150,383	1,000	13,150	21,723	37,505	122,976	1,472
Horoguduru Wellega	697,729	22,096	30,770	49,490	216,535	14,859	21,988	37,040	54,707	240,486	9,757

TABLE 3-2 CONT'D

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>Somale</b>	610,514	39,236	23,853	34,931	84,732	*	46,164	37,544	66,672	269,038	6,780
Shinele	15,246	653	563	1,184	2,595	-	659	657	2,052	6,813	*
Jijiga	248,435	19,999	9,418	12,978	45,661	-	20,146	12,930	21,994	104,801	*
Liben	346,833	18,584	13,871	20,768	36,476	*	25,359	23,958	42,625	157,424	*
<b>Benshangul-Gumuz</b>	502,857	20,713	24,675	38,312	132,951	9,613	21,174	20,818	48,942	176,511	9,147
Metekel	399,660	17,672	19,413	30,869	101,065	9,293	18,658	15,969	39,078	138,800	8,843
Asosa	61,234	1,416	2,989	4,725	20,711	*	857	2,542	5,828	21,982	*
Kemeshi	27,468	1,132	1,683	1,416	7,597	*	1,186	1,540	1,962	10,536	*
Pawe Special	610,514	39,236	23,853	34,931	84,732	*	46,164	37,544	66,672	269,038	6,780
Mao Komo	14,495	493	591	1,303	3,578	*	474	767	2,074	5,192	-
<b>SNNP</b>	11,060,053	560,557	556,434	694,686	2,227,503	40,411	583,617	618,037	1,069,263	4,602,845	106,699
Gurage	1,184,337	51,892	55,271	70,486	189,170	*	60,402	77,603	109,398	537,964	27,906
Hadiya	761,197	33,855	38,349	48,869	200,982	2,437	36,727	38,473	56,250	299,825	5,429
Kembata Tembaro	317,239	13,652	14,512	22,428	66,598	*	16,262	16,561	27,914	135,409	2,459
Sidama	2,077,636	133,254	125,626	95,486	117,144	*	117,293	141,696	247,293	1,069,191	26,893
Gedio	160,645	5,046	7,119	15,289	45,305	-	6,313	6,543	11,220	63,696	*
Wolayita	767,154	41,036	37,477	62,434	157,788	1,168	43,788	36,148	59,954	318,931	8,429
South Omo	944,434	44,220	41,958	70,272	219,570	*	55,221	47,451	99,055	350,186	*
Shaka	127,811	7,111	9,881	8,995	24,575	*	6,240	7,847	13,570	49,050	426
Kaffa	916,663	54,403	42,104	68,527	233,430	*	51,661	47,904	86,086	328,596	3,333
Gamo Gofa	1,438,752	74,536	74,956	96,378	294,332	*	69,941	84,240	155,633	570,954	*
Bench Maji	478,309	26,788	23,777	25,841	134,568	*	30,276	22,787	33,618	179,750	*
Yem Sp. Wereda	68,449	1,283	3,241	4,014	26,089	-	1,737	2,974	4,894	24,061	*
Amaro Sp. Wereda	132,540	5,793	4,611	5,259	38,898	-	5,733	5,697	10,319	56,021	*
Burji Sp. Wereda	45,011	1,133	1,459	1,928	20,020	*	1,317	1,561	3,210	14,313	*
Konso Sp. Wereda	136,936	4,688	4,416	8,838	44,466	*	5,674	5,320	11,024	50,664	925
Derashe Sp. Wereda	73,434	1,791	2,033	5,284	31,073	*	2,334	2,582	5,228	18,821	*
Dawro	388,164	20,208	20,022	30,638	80,204	*	20,819	20,776	44,981	148,058	2,165
Basketo Sp. Wereda	39,756	1,580	1,996	3,515	11,017	*	1,949	2,024	3,471	13,731	134
Konta Sp. Wereda	106,438	5,641	6,044	8,385	26,203	*	6,058	5,198	13,922	34,359	*
Silte	704,174	24,554	36,357	32,812	202,704	*	31,124	37,043	57,535	269,771	3,788
Alaba Sp. Wereda	190,971	8,092	5,226	9,007	63,369	*	12,747	7,609	14,687	69,494	*
<b>Gambela Region</b>	253,389	16,172	16,653	15,842	21,808	*	22,781	25,809	28,304	101,036	4,668
Angnuwak	13,126	593	636	900	5,565	-	619	530	764	3,518	-
Nuware	192,346	13,289	13,515	11,350	12,798	*	19,095	21,710	20,039	78,656	*
Mezhenger	19,708	1,411	1,557	1,248	1,292	-	1,325	1,816	2,462	8,508	*
Itang Special	28,208	879	945	*	2,152	*	1,741	1,754	*	10,354	*
<b>Harari</b>	52,245	3,189	2,302	5,588	7,470	-	3,482	3,155	5,430	21,345	286
Hundene	52,245	3,189	2,302	5,588	7,470	-	3,482	3,155	5,430	21,345	286
<b>Dire Dawa</b>	43,128	1,786	1,622	4,625	7,534	*	2,416	1,757	5,574	17,314	461

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>	25,509,004	3,270,863	1,099,170	934,179	1,662,047	3,506,824	1,459,251	1,657,483	11,919,187
<b>Tigray</b>	1,255,403	135,201	64,175	39,610	95,457	148,070	88,178	94,415	590,298
North West Tigray	70,710	7,491	3,419	2,904	3,180	5,480	6,242	9,793	32,202
Central Tigray	287,625	29,743	18,286	10,981	18,489	34,614	21,481	15,931	138,100
Eastern Tigray	518,835	63,409	23,278	14,541	34,684	64,489	32,874	36,991	248,568
Southern Tigray	269,098	25,499	14,406	6,268	21,809	33,716	17,819	22,941	126,640
Western Tigray	109,135	9,059	*	*	*	*	9,762	8,759	44,788
<b>Afar</b>	990,378	67,484	45,655	50,899	90,317	97,955	76,890	111,059	450,119
Zone 1	687,551	45,869	33,104	35,546	67,591	64,772	57,188	74,954	308,526
Zone 3	302,827	21,615	12,551	15,353	22,726	33,183	19,702	36,104	141,593
<b>Amhara</b>	8,679,879	1,199,098	325,936	306,355	536,379	1,274,646	381,257	435,997	4,220,210
North Gondar	757,210	122,334	14,910	16,890	31,418	135,223	27,520	31,716	377,199
South Gondar	957,912	134,813	34,948	22,056	41,166	151,126	44,234	42,636	486,933
North Wolo	775,413	101,160	25,688	18,596	71,050	115,039	37,686	47,192	359,002
South Wolo	1,944,501	258,867	83,328	99,416	148,313	274,502	75,345	97,068	907,662
North Shewa	1,536,429	190,672	63,181	69,987	143,005	195,798	82,062	96,636	695,086
East Gojam	1,187,398	167,981	36,605	26,829	43,439	187,671	54,868	43,569	626,437
West Gojam	836,413	126,003	35,200	27,337	28,526	117,918	32,142	48,015	421,272
Waghamera	172,680	17,393	7,961	8,241	14,102	19,873	10,655	10,844	83,610
Awi	418,805	68,521	17,837	10,800	5,716	67,219	13,231	15,100	220,382
Oromia	90,473	11,089	6,020	5,950	9,104	*	3,440	*	41,771
Argoba Special	2,645	264	259	251	542	194	73	206	856
<b>Oromia</b>	8,815,290	1,275,136	374,979	271,584	446,368	1,337,765	507,205	535,958	4,066,295
West Wellega	269,959	40,280	16,669	7,340	11,864	39,857	18,813	21,588	113,547
East Wellega	259,941	38,101	16,839	12,212	11,510	45,471	13,889	15,484	106,436
Illubabor	385,880	58,369	15,079	8,936	12,596	56,997	23,387	24,707	185,809
Jimma	824,485	110,819	33,160	28,596	30,514	114,572	40,970	37,348	428,506
West Shewa	903,165	154,375	31,798	18,704	22,638	155,823	50,926	49,520	419,381
North Shewa	967,798	157,431	26,155	22,757	31,637	168,804	34,942	35,553	490,520
East Shewa	320,326	49,842	15,097	6,048	21,227	44,872	13,578	17,557	152,107
Arsi	1,371,246	203,328	62,949	43,644	86,757	217,755	86,414	84,930	585,469
West Harerghe	181,959	24,887	7,250	7,692	6,754	23,956	13,089	10,344	87,988
East Harerghe	504,906	61,155	21,261	26,505	30,615	77,653	30,728	39,748	217,239
Bale	355,260	46,617	15,635	14,695	28,275	45,923	23,071	28,716	152,328
Borena	290,457	30,396	15,655	8,997	30,827	31,700	20,173	20,126	132,583
South West Shewa	310,180	39,328	15,716	11,566	16,751	42,477	19,950	22,425	141,966
Guji	587,683	59,215	30,585	23,365	59,908	65,560	46,235	42,068	260,747
West Arsi	866,354	132,609	32,955	21,329	30,130	131,762	48,442	61,499	407,628
Kelem Wellega	204,230	34,226	10,239	5,158	8,792	36,104	12,322	11,263	86,127
Horoguduru Wellega	211,461	34,158	7,938	4,041	5,571	38,479	10,276	13,083	97,914

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>	1,054,287	80,457	64,561	79,527	158,784	98,249	88,628	101,128	382,953
Shinele	78,496	9,219	4,063	4,589	6,700	9,964	4,833	8,597	30,532
Jijiga	666,130	44,010	45,514	60,069	117,322	51,550	56,419	67,028	224,218
Liben	309,661	27,228	14,984	14,870	34,761	36,735	27,376	25,503	128,204
<b>Benshangul-Gumuz</b>	105,724	15,499	4,770	5,172	6,330	16,891	7,335	6,808	42,920
Metekel	62,598	9,068	2,947	2,975	3,174	11,008	3,752	3,682	25,991
Asosa	19,729	2,185	581	1,570	2,351	1,874	*	*	7,007
Kemeshi	12,536	2,454	709	*	471	1,720	952	336	5,515
Mao komo	10,862	1,792	533	247	334	2,290	490	771	4,406
<b>SNNP</b>	4,497,169	485,630	213,463	176,188	319,345	520,251	302,353	362,135	2,117,804
Gurage	392,739	40,596	15,973	17,484	23,238	48,180	31,398	27,094	188,774
Hadiya	239,767	20,919	14,593	9,336	14,140	27,158	13,261	21,363	118,997
Kembata Tembaro	106,123	12,310	6,742	5,880	9,654	10,773	6,681	8,959	45,126
Sidama	377,506	47,570	15,143	9,947	17,499	40,807	25,167	30,446	190,927
Gedio	222,220	25,925	12,494	11,593	15,185	23,376	14,367	16,863	102,418
Wolayita	202,876	22,876	11,778	8,439	9,124	25,401	15,428	19,880	89,950
South Omo	546,620	40,219	25,942	27,948	86,517	54,581	34,478	48,404	228,533
Shaka	55,562	8,525	3,295	1,643	1,755	8,662	4,019	2,146	25,516
Kaffa	448,546	66,284	17,636	10,394	10,777	66,874	24,054	22,163	230,363
Gamo Gofa	800,704	71,473	40,722	31,700	40,717	80,133	69,781	83,147	383,030
Bench Maji	226,976	29,319	8,994	6,314	12,816	26,623	10,750	15,573	116,586
Yem Sp. Wereda	28,006	3,278	1,719	729	627	3,057	2,173	1,702	14,721
Amaro Sp. Wereda	55,333	3,986	1,253	2,157	6,697	6,394	2,849	3,214	28,783
Burji Sp. Wereda	2,088	361	65	114	137	200	*	209	923
Konso Sp. Wereda	105,839	6,560	4,230	6,053	24,522	7,090	5,090	7,149	45,144
Derashe Sp. Wereda	30,445	2,996	2,095	1,442	4,183	2,699	1,205	1,445	14,380
Dawro	117,123	16,389	7,455	5,272	7,167	13,090	5,681	10,954	51,114
Basketo Sp. Wereda	19,275	1,826	861	456	705	2,370	1,806	2,561	8,690
Konta Sp. Wereda	26,888	3,926	2,205	2,879	1,512	3,197	1,701	2,409	9,059
Silte	408,837	51,466	16,351	13,215	23,723	59,142	27,194	31,701	186,044
Alaba Sp. Wereda	83,698	8,825	3,916	3,192	8,652	10,442	5,190	4,753	38,728
<b>Gambela Region</b>	39,564	3,869	2,185	1,807	4,165	4,953	3,607	3,752	15,226
Angnuwak	*	-	*	-	*	*	*	*	*
Nuware	24,859	1,972	1,167	1,093	2,425	3,104	2,741	2,866	9,490
Mezhenger	9,171	1,617	679	474	834	1,276	413	*	3,702
Itang Special	4,541	281	*	240	*	*	*	*	1,715
<b>Harari</b>	5,631	909	*	410	280	553	261	357	2,586
Hundene	5,631	909	*	410	280	553	261	357	2,586
<b>Dire Dawa</b>	65,678	7,581	3,171	2,626	4,622	7,491	3,536	5,875	30,776

TABLE 3-4: NUMBER OF GOATS BY AGE AND SEX OF ANIMAL, ZONE, 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>	22,786,946	2,533,036	1,276,786	1,033,521	1,984,080	2,865,173	1,662,469	1,791,990	9,639,892
<b>Tigray</b>	3,049,486	264,449	180,254	137,123	285,816	327,138	274,233	276,164	1,304,310
North West Tigray	907,385	80,468	48,987	40,322	80,344	99,633	85,775	87,422	384,436
Central Tigray	993,935	68,756	72,384	52,746	96,897	84,073	92,483	88,416	438,181
Eastern Tigray	240,341	21,592	14,719	8,773	20,376	25,122	16,221	17,364	116,175
Southern Tigray	398,503	44,589	18,601	16,361	27,352	49,666	29,929	36,425	175,580
Western Tigray	509,322	49,045	25,563	18,922*		68,644	49,825	46,537	189,938
<b>Afar</b>	1,774,875	121,204	77,217	85,858	138,876	190,994	149,926	209,114	801,685
Zone 1	1,083,567	70,570	49,766	60,091	93,312	110,387	88,719	125,223	485,500
Zone 3	691,308	50,634	27,451	25,767	45,564	80,607	61,207	83,892	316,185
<b>Amhara</b>	5,176,309	635,749	272,293	237,254	518,394	697,128	325,963	324,688	2,164,841
North Gonder	1,147,203	146,101	59,699	47,059	71,799	167,445	105,723	73,049	476,327
South Gonder	616,826	67,682	33,995	33,727	77,514	71,655	28,930	44,963	258,359
North Wolo	577,472	69,423	27,941	22,934	55,711	72,353	37,696	41,605	249,807
South Wolo	737,587	87,304	39,715	38,310	89,867	86,690	41,396	46,457	307,848
North Shewa	656,303	74,910	40,998	45,698	108,356	81,286	26,619	39,832	238,604
East Gojam	403,474	58,164	20,977	12,699	37,194	66,240	24,983	18,349	164,867
West Gojam	238,528	34,884	12,760	8,705	18,189	44,788	9,868	5,209	104,125
Waghamera	429,240	37,781	19,029	15,861	38,312	47,349	30,516	35,978	204,413
Awi	132,292	23,807	6,489	4,586	8,886	23,967	7,183	6,679	50,694
Oromia	215,404	32,867	9,371	6,257	10,257	32,146	11,568	10,889	102,050
Argoba Special	21,981	2,824	1,318	1,417	2,308	3,208	1,481	1,677	7,747
<b>Oromia</b>	7,531,445	983,540	441,114	313,118	512,576	1,025,140	523,781	520,146	3,212,031
West Wellega	132,773	24,591	9,731	3,065	6,296	24,526	11,686	7,756	45,123
East Wellega	174,822	30,192	9,511	10,502	11,336	26,620	9,852	9,447	67,364
Illubabor	188,258	32,058	10,597	10,297	9,309	30,100	9,539	16,391	69,967
Jimma	310,642	52,637	17,852	6,910	7,497	39,367	24,228	16,568	145,582
West Shewa	314,629	46,820	22,047	12,124	22,965	46,571	25,279	25,668	113,155
North Shewa	225,381	35,475	12,695	8,002	14,265	44,676	9,776	11,004	89,487
East Shewa	475,393	65,561	22,517	18,770	31,413	73,499	25,101	28,447	210,086
Arsi	696,053	94,899	39,265	29,889	37,986	90,540	44,171	42,828	316,475
West Harerghe	952,611	109,861	64,072	41,008	59,499	120,482	82,647	77,522	397,521
East Harerghe	1,203,562	151,556	79,992	70,677	90,561	145,065	76,731	83,443	505,537
Bale	723,055	81,120	37,338	24,487	60,201	92,966	51,597	37,738	337,607
Borena	770,739	81,374	41,171	29,863	67,043	92,228	66,523	53,951	338,586
South West Shewa	267,108	33,972	19,027	10,441	28,527	37,823	14,826	18,559	103,934
Guji	517,862	52,982	25,109	22,380	40,050	60,673	34,799	53,041	228,827
West Arsi	347,043	46,671	19,843	7,417	16,738	57,399	20,427	21,619	156,930
Kelem Wellega	86,378	16,458	3,988	3,217	2,822	15,365	6,938	6,933	30,657
Horoguduru Wellega	145,137	27,313	6,358	4,071	6,069	27,240	9,662	9,231	55,194

TABLE 3-4 CONT'D

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>Somale</b>	1,411,481	122,868	79,135	70,502	155,597	170,067	116,875	136,088	560,348
Shinele	245,204	27,201	12,725	11,477	17,162	35,043	16,012	27,326	98,258
Jijiga	503,881	46,866	37,495	29,747	80,937	52,715	38,099	43,195	174,829
Liben	662,395	48,802	28,915	29,279	57,499	82,308	62,765	65,567	287,261
<b>Benshangul-Gumuz</b>	446,484	61,527	24,151	16,199	26,271	67,201	38,005	42,895	170,235
Metekel	176,207	27,235	11,823	6,330	8,440	30,431	15,467	15,199	61,282
Asosa	191,383	21,683	7,879	7,771	12,994	23,888	15,781	21,610	79,778
Kemeshi	59,206	9,125	3,645	1,445	3,992	9,784	5,573	4,678	20,965
Mao Komo	19,688	3,484	805	653	845	3,098	1,184	1,408	8,210
<b>SNNP</b>	3,086,531	309,519	183,957	157,694	327,856	347,870	210,198	253,616	1,295,823
Gurage	156,696	16,534	8,389	9,519	11,576	20,149	9,088	13,403	68,039
Hadiya	107,524	9,562	8,352	5,067	7,206	10,280	9,883	5,749	51,424
Kembata Tembaro	41,110	6,145	2,381	1,290	1,452	5,099	2,931	3,441	18,372
Sidama	298,866	32,681	21,706	17,099	19,789	39,031	21,200	24,957	122,403
Gedio	13,860	1,537*		777*		1,528*		*	7,561
Wolayita	104,425	13,427	7,872	4,236	5,427	9,474	9,514	10,944	43,531
South Omo	968,531	74,543	50,748	57,309	169,359	87,500	65,453	84,817	378,802
Shaka	14,371	2,072	881*		530	2,032	792	1,079	6,242
Kaffa	216,243	32,118	12,977	5,509	4,438	36,571	13,734	12,217	98,679
Gamo Gofa	336,941	36,176	20,752	23,149	24,767	40,735	25,172	33,353	132,837
Bench Maji	98,243	11,462	5,566	3,052	6,724	12,090	4,157	4,518	50,673
Yem Sp. Wereda	23,503	2,480	1,557	403	586	2,748	1,590	2,140	12,000
Amaro Sp. Wereda	67,547	5,190	3,050	3,369	7,445	8,785	3,499	4,268	31,940
Burji Sp. Wereda	25,775	2,555	1,261	931	3,231	2,387	1,391	1,529	12,490
Konso Sp. Wereda	193,356	12,818	12,775	9,854	36,918	15,080	11,943	13,034	80,933
Derashe Sp. Wereda	63,953	5,906	3,199	3,349	7,361	5,753	4,505	5,872	28,009
Dawro	63,468	9,228	5,236	3,693	2,537	8,328	4,466	7,591	22,388
Basketo Sp. Wereda	10,932	1,475	404	372	1,003	1,142	459	1,004	5,072
Konta Sp. Wereda	17,919	3,067	936	712	709	2,073	1,315	3,782	5,325
Silte	193,590	23,074	10,784	5,002	11,099	26,850	13,688	16,806	86,287
Alaba Sp. Wereda	69,680	7,469	4,687	2,260	4,794	10,235	4,749	2,669	32,816
<b>Gambela Region</b>	83,897	8,504	6,081	3,850	5,010	11,635	8,341	8,917	31,559
Angnuwak	6,826	876	488	347	321	910	737	548	2,600
Nuware	59,798	6,294	4,394	2,014	3,148	9,090	6,262	4,939	23,657
Mezhenger	1,646	187	189	194	95	166	117	152	546
Itang Special	15,627	1,148	1,010	1,295	1,446	1,470	1,225	3,277	4,756
<b>Harari</b>	45,256	5,187	2,581	2,729	3,733	5,015	3,035	3,400	19,576
Hundene	45,256	5,187	2,581	2,729	3,733	5,015	3,035	3,400	19,576
<b>Dire Dawa</b>	181,181	20,489	10,002	9,194	9,952	22,987	12,112	16,962	79,484

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

Geographic Area	HORSES AND DONKEYS									
	ALL HORSES	HORSES				ALL 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	2,028,233	177,439	827,719	184,440	838,634	6,209,665	664,381	2,257,591	660,993	2,626,700
Tigray	2,108	-	1,448	*	*	568,121	57,285	248,432	51,182	211,222
North West Tigray	*	-	-	-	*	99,275	9,575	41,126	8,286	40,288
Central Tigray	-	-	-	-	-	151,308	14,453	57,704	13,959	65,192
Eastern Tigray	*	-	-	*	-	97,376	11,439	44,420	7,667	33,851
Southern Tigray	950	-	950	-	-	160,761	16,119	70,767	17,221	56,654
Western Tigray	*	-	*	-	*	59,401	5,698	34,416	4,049	15,238
Afar	-	-	-	-	-	65,951	5,744	19,791	6,300	34,116
Zone 1	-	-	-	-	-	43,688	3,702	14,340	3,967	21,679
Zone 3	-	-	-	-	-	22,264	2,042	5,451	2,333	12,438
Amhara	396,231	34,316	135,712	31,738	194,465	2,241,741	285,375	685,555	281,117	989,694
North Gonder	20,669	*	5,274	*	11,751	299,598	32,281	130,577	27,140	109,600
South Gonder	30,120	*	*	*	16,313	289,085	39,168	58,841	37,987	153,089
North Wolo	35,247	4,195	11,939	3,448	15,665	189,149	20,093	49,034	28,036	91,987
South Wolo	83,301	10,070	17,265	7,839	48,128	380,298	47,236	101,925	58,743	172,393
North Shewa	41,030	*	6,437	7,590	22,595	341,720	46,629	130,842	38,849	125,401
East Gojam	88,984	8,095	42,436	6,007	32,446	342,470	49,187	84,874	45,632	162,777
West Gojam	*	2,234	5,656	*	*	221,158	27,318	69,298	26,321	98,221
Waghamera	*	-	-	-	*	73,068	7,170	30,230	6,228	29,441
Awi	67,010	2,450	35,813	2,410	26,337	62,762	10,594	19,550	6,469	26,149
Oromia	-	-	-	-	-	38,524	5,267	8,792	5,322	19,142
Argoba Special	-	-	-	-	-	3,908	431	1,594	389	1,494
Oromia	1,176,301	108,355	503,296	109,399	455,252	2,617,107	262,904	988,143	268,650	1,097,410
West Wellega	*	*	*	*	*	93,673	11,362	24,589	11,057	46,666
East Wellega	*	-	*	-	*	95,178	10,624	38,410	8,495	37,649
Illubabor	39,890	3,886	14,149	4,743	17,112	27,270	5,438	11,523	2,366	7,943
Jimma	97,716	6,600	37,907	7,393	45,815	72,667	6,522	31,267	6,376	28,503
West Shewa	163,650	16,194	67,570	22,771	57,115	175,126	18,078	56,846	24,329	75,873
North Shewa	94,775	13,812	25,062	12,032	43,869	211,537	27,802	55,712	32,246	95,777
East Shewa	14,861	*	9,340	*	*	255,548	21,798	115,197	22,960	95,594
Arsi	225,664	17,497	85,030	20,207	102,931	356,047	34,756	129,899	32,268	159,124
West Harerghe	-	-	-	-	-	217,267	17,312	87,417	19,457	93,081
East Harerghe	*	-	-	-	*	294,703	29,510	120,460	28,516	116,217
Bale	76,976	4,062	42,922	6,237	23,754	214,437	20,196	96,692	15,211	82,338
Borena	*	-	*	-	*	71,968	5,843	32,043	5,587	28,495
South West Shewa	52,372	3,205	40,011	1,876	7,280	175,142	17,363	59,205	20,605	77,969
Guji	180,248	17,744	78,086	12,679	71,739	68,312	8,096	26,362	5,753	28,100
West Arsi	174,132	17,209	84,914	13,760	58,249	191,312	16,198	72,739	20,328	82,047
Kelem Wellega	8,124	*	2,397	*	*	30,142	1,865	13,144	3,937	11,196
Horoguduru Wellega	37,635	5,884	12,614	4,599	14,537	66,779	10,144	16,637	9,159	30,839

TABLE 3-5 CONT'D

Geographic Area	HORSES AND DONKEYS									
	ALL HORSES	HORSES				ALL 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
<b>Somale</b>	-	-	-	-	-	100,367	7,195	49,854	6,100	37,218
Shinele	-	-	-	-	-	8,225	548	3,922	634	3,120
Jijiga	-	-	-	-	-	39,290	4,510	15,907	3,312	15,561
Liben	-	-	-	-	-	52,852	2,136	30,026	2,154	18,537
<b>Benshangul-Gumuz</b>	*	*	*	*	*	64,639	6,204	32,858	5,866	19,710
Metekel	*	*	*	*	*	30,557	1,293	20,320	1,818	7,126
Asosa	-	-	-	-	-	25,137	4,209	6,905	3,521	10,503
Kemeshi	-	-	-	-	-	5,603	240	4,466	180	716
Mao Komo	-	-	-	-	-	3,341	462	1,167	347	1,365
<b>SNNP</b>	451,799	34,683	186,34	42,932	187,83	526,621	37,55	224,01	39,305	225,74
Gurage	66,032	*	26,253	7,677	27,909	87,555	7,512	35,901	6,357	37,785
Hadiya	27,426	1,659	9,586	3,021	13,160	76,279	5,653	23,773	7,949	38,904
Kembata Tembaro	7,690	1,278	3,336	534	2,542	19,725	1,446	13,743	697	3,839
Sidama	66,273	*	32,529	3,791	27,771	70,059	4,095	44,248	5,793	15,923
Gedio	28,079	2,145	14,587	1,805	9,542	7,698	-	6,799	*	*
Wolayita	-	-	-	-	-	29,290	*	24,244	*	*
South Omo	17,894	1,519	6,606	1,100	8,670	*	*	*	*	12,455
Shaka	6,007	*	3,532	708	1,356	1,764	-	1,764	-	-
Kaffa	81,050	7,897	41,301	8,130	23,721	*	*	*	*	*
Gamo Gofa	76,664	7,402	*	12,143	34,395	40,028	*	20,787	*	16,547
Bench Maji	12,648	1,524	4,450	996	5,678	*	-	*	-	-
Yem Sp. Wereda	1,112	*	187	*	802	3,633	404	1,462	280	1,488
Amaro Sp. Wereda	3,291	*	1,257	*	1,728	*	*	*	*	*
Burji Sp. Wereda	-	-	-	-	-	4,588	414	2,091	461	1,622
Konso Sp. Wereda	-	-	-	-	-	6,833	967	3,109	536	2,221
Derashe Sp. Wereda	*	-	*	*	*	11,917	*	9,805	279	1,691
Dawro	6,312	*	2,360	*	3,056	2,965	*	2,112	*	*
Basketo Sp. Wereda	422	*	340	-	*	349	*	*	*	*
Konta Sp. Wereda	1,695	*	1,258	*	*	*	*	*	-	-
Silte	43,575	3,297	12,477	2,149	25,653	90,155	6,974	14,864	6,905	61,412
Alaba Sp. Wereda	4,607	*	2,787	*	1,439	40,038	4,524	6,189	4,221	25,104
<b>Gambela Region</b>	*	-	*	-	-	*	-	*	-	-
Angnuwak	-	-	-	-	-	*	-	*	-	-
Nuware	-	-	-	-	-	-	-	-	-	-
Mezhenger	*	-	*	-	-	*	-	*	-	-
Itang Special	-	-	-	-	-	-	-	-	-	-
<b>Harari</b>	-	-	-	-	-	-	-	-	-	-
Hundene	-	-	-	-	-	9,679	567	4,942	637	3,532
<b>Dire Dawa</b>	-	-	-	-	-	14,992	1,554	3,553	1,837	8,047

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>	385,374	24,412	168,892	24,456	167,615	1,102,119	121,911	235,387	151,260	593,561
<b>Tigray</b>	4,229	-	2,401	-	1,828	34,205	6,567	26,667	-	*
North West Tigray	*	-	-	-	*	5,663	*	5,319	-	*
Central Tigray	*	-	-	-	*	3,511	*	3,264	-	-
Eastern Tigray	*	-	*	-	-	*	-	*	-	-
Southern Tigray	2,154	-	1,713	-	*	13,030	*	8,146	-	-
Western Tigray	*	-	*	-	*	*	*	*	-	*
<b>Afar</b>	*	-	*	-	-	379,228	30,731	59,125	50,622	238,750
Zone 1	-	-	-	-	-	165,776	15,405	41,662	22,745	85,964
Zone 3	*	-	*	-	-	213,452	15,325	17,463	27,878	152,786
<b>Amhara</b>	120,459	14,135	41,445	13,354	51,525	51,472	5,984	41,372	*	*
North Gonder	7,183	*	2,844	*	2,778	*	-	*	-	*
South Gonder	15,378	*	5,954	*	7,786	-	-	-	-	-
North Wolo	7,916	*	2,318	*	4,624	10,918	*	10,542	-	-
South Wolo	22,702	5,147	6,230	3,318	8,006	9,761	*	9,060	-	-
North Shewa	11,984	*	5,853	*	4,405	9,526	*	7,734	-	*
East Gojam	13,874	*	*	*	5,234	-	-	-	-	-
West Gojam	29,265	*	6,791	4,522	15,717	-	-	-	-	-
Waghamera	2,903	-	1,045	-	1,858	-	-	-	-	-
Awi	9,077	1,132	5,742	1,112	*	-	-	-	-	-
Oromia	*	-	*	-	-	*	*	11,637	*	*
Argoba Special	*	*	-	*	*	971	73	898	-	-
<b>Oromia</b>	181,381	8,080	82,355	8,967	81,980	326,069	45,241	44,174	54,235	182,420
West Wellega	4,026	*	1,989	*	1,339	-	-	-	-	-
East Wellega	5,162	-	1,975	*	2,987	-	-	-	-	-
Illubabor	10,373	*	3,540	*	5,917	-	-	-	-	-
Jimma	23,638	*	5,496	*	14,350	-	-	-	-	-
West Shewa	9,454	*	4,270	*	3,994	-	-	-	-	-
North Shewa	11,028	*	2,692	1,986	4,889	*	-	*	-	*
East Shewa	5,338	*	4,933	-	-	*	*	*	*	*
Arsi	22,936	2,015	11,904	*	8,713	*	*	*	*	*
West Harerghe	*	-	*	-	*	*	8,909	*	*	*
East Harerghe	*	-	*	-	*	29,170	*	2,330	4,606	17,881
Bale	29,524	*	17,492	*	11,066	*	8,372	*	*	*
Borena	*	*	3,038	-	*	99,865	12,440	16,839	15,453	55,133
South West Shewa	7,810	-	3,496	*	4,113	-	-	-	-	-
Guji	29,203	*	13,009	*	14,198	*	*	*	*	*
West Arsi	3,899	-	*	*	*	-	-	-	-	-
Kelem Wellega	4,679	*	1,712	-	2,825	-	-	-	-	-
Horoguduru Wellega	4,328	*	2,655	*	1,474	-	-	-	-	-

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>	*	-	*	-	*	301,323	32,052	60,049	44,053	165,169
Shinele	*	-	*	-	-	16,951	1,996	3,936	2,163	8,857
Jijiga	-	-	-	-	-	72,390	9,655	17,275	11,358	34,102
Liben	*	-	*	-	*	211,982	20,401	38,838	30,532	122,211
<b>Benshangul-Gumuz</b>	2,624	-	1,499	*	1,036	-	-	-	-	-
Metekel	2,158	-	1,352	*	717	-	-	-	-	-
Asosa	*	-	*	-	*	-	-	-	-	-
Kemeshi	*	-	*	-	-	-	-	-	-	-
Pawe Special	*	-	*	-	*	-	-	-	-	-
Mao komo	75,331	2,197	39,919	2,046	31,169	*	*	*	-	*
<b>SNNP</b>	5,373	-	2,879	-	2,495	-	-	-	-	-
Gurage	8,367	*	3,672	*	3,759	*	*	*	-	-
Hadiya	1,812	-	602	*	891	-	-	-	-	-
Kembata Tembaro	7,397	*	*	-	*	-	-	-	-	-
Sidama	5,628	-	3,484	*	1,923	-	-	-	-	-
Gedio	1,216	-	1,216	-	-	-	-	-	-	-
Wolayita	4,484	*	1,409	*	2,033	*	-	*	-	*
South Omo	450	-	*	-	*	-	-	-	-	-
Shaka	12,646	*	7,662	-	4,638	-	-	-	-	-
Kaffa	11,362	-	6,576	-	4,786	-	-	-	-	-
Gamo Gofa	2,887	-	*	-	1,468	-	-	-	-	-
Bench Maji	154	-	*	-	*	-	-	-	-	-
Yem Sp. Wereda	1,469	-	989	*	359	-	-	-	-	-
Amaro Sp. Wereda	99	-	*	-	*	-	-	-	-	-
Burji Sp. Wereda	-	-	-	-	-	-	-	-	-	-
Konso Sp. Wereda	414	-	*	-	*	-	-	-	-	-
Derashe Sp. Wereda	7,444	370	4,299	*	2,465	-	-	-	-	-
Dawro	608	-	430	-	178	-	-	-	-	-
Basketo Sp. Wereda	826	*	542	-	237	-	-	-	-	-
Konta Sp. Wereda	2,319	-	*	-	*	-	-	-	-	-
Silte	378	-	*	-	*	-	-	-	-	-
Alaba Sp. Wereda	-	-	-	-	-	-	-	-	-	-
<b>Gambela Region</b>	-	-	-	-	-	-	-	-	-	-
Angnuwak	-	-	-	-	-	-	-	-	-	-
Nuware	-	-	-	-	-	-	-	-	-	-
Mezhenger	-	-	-	-	-	-	-	-	-	-
Itang Special	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	*	*	*	*	*
<b>Harari</b>	-	-	-	-	-	*	*	*	*	*
Hundene	*	-	*	-	*	301,323	32,052	60,049	44,053	165,169
<b>Dire Dawa</b>	-	-	-	-	-	6,425	887	2,294	949	2,296

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>	33,967,441	13,346,297	390,655	635,968	511,870	7,447,238	155,120	73,263	10,263,357	1,143,673
<b>Tigray</b>	2,316,633	1,079,590	6,572	29,395	12,225	32,241	15,653	7,961	1,117,730	15,265
North West Tigray	603,557	242,031	4,486	14,683	5,485	5,456	5,500	5,138	316,267	4,512
Central Tigray	508,176	284,577	*	4,045	*	5,010	4,249	-	207,117	*
Eastern Tigray	262,478	131,394	-	*	*	3,897	2,287	-	116,203	3,797
Southern Tigray	473,202	253,735	*	1,382	*	16,755	*	*	191,123	4,731
Western Tigray	469,220	167,853	*	6,517	*	1,123	2,509	*	287,020	*
<b>Afar</b>	530,101	32,308	3,027	41,124	*	142,178	1,840	2,477	305,064	*
Zone 1	347,265	25,583	*	23,282	-	109,992	1,840	*	182,658	*
Zone 3	182,836	*	*	17,843	*	32,186	-	*	122,406	*
<b>Amhara</b>	8,816,063	4,381,099	47,211	68,453	108,799	607,209	84,250	17,966	3,274,864	226,212
North Gondar	1,537,801	673,461	*	18,450	17,921	229,187	9,225	*	555,845	29,640
South Gondar	1,081,912	543,149	1,914	6,368	*	59,528	29,755	*	426,894	8,393
North Wolo	594,677	283,103	*	4,166	1,985	22,217	7,915	*	261,646	12,662
South Wolo	1,118,519	614,269	*	5,458	*	61,533	9,782	*	408,592	11,539
North Shewa	867,079	485,631	6,996	10,194	16,233	54,733	*	*	265,392	21,503
East Gojam	1,185,189	610,283	15,990	5,090	18,347	65,878	6,766	4,163	414,623	44,049
West Gojam	1,417,735	737,894	16,122	*	23,258	40,726	8,629	3,091	510,097	67,557
Waghamera	228,545	105,737	*	1,561	2,151	24,887	2,019	*	85,734	5,721
Awı	577,109	235,581	*	5,310	16,788	30,563	5,311	4,763	255,026	22,742
Oromia	189,362	83,261	*	1,290	*	16,139	*	-	84,222	2,210
Argoba Special	18,135	8,731	*	205	233	1,818	*	*	6,795	196
<b>Oromia</b>	14,634,557	5,882,738	231,760	265,189	213,207	3,279,189	35,408	21,988	4,306,340	398,737
West Wellega	619,964	240,454	3,370	6,433	28,250	60,408	5,138	*	231,736	42,475
East Wellega	759,858	328,112	*	5,891	8,821	43,773	2,119	*	341,739	24,917
Illubabor	632,925	272,044	*	3,363	8,550	122,131	878	*	207,431	13,887
Jimma	1,505,295	677,030	*	3,059	13,248	456,893	2,487	*	286,071	45,142
West Shewa	1,323,237	608,824	14,101	6,170	20,442	267,727	*	2,768	365,596	33,640
North Shewa	926,327	445,292	9,606	*	17,419	207,185	*	*	221,268	16,429
East Shewa	728,868	397,459	4,062	5,898	14,922	133,966	2,126	*	146,778	22,511
Arsi	1,608,663	713,411	21,289	18,169	38,198	368,567	3,365	*	389,757	52,249
West Harerghe	715,354	279,601	25,546	4,744	6,944	156,269	*	*	221,433	19,915
East Harerghe	767,688	176,368	47,432	2,615	3,440	163,624	*	*	362,372	9,852
Bale	1,013,155	418,580	17,480	7,388	20,869	353,596	2,720	*	140,839	51,013
Borena	675,318	92,533	8,894	91,404	*	132,813	*	1,951	336,572	*
South West Shewa	714,057	376,656	5,357	6,285	7,819	116,826	*	*	194,235	5,290
Guji	891,760	200,296	25,520	70,242	*	245,158	*	4,028	331,690	*
West Arsi	1,021,707	313,985	15,827	14,987	13,201	418,924	1,550	*	218,182	23,787
Kelem Wellega	273,359	143,594	2,439	*	2,761	14,110	*	*	103,446	4,309
Horoguduru Wellega	457,020	198,498	1,694	9,862	6,480	17,217	*	*	207,195	14,981

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>	353,771	46,617	4,837	31,440	1,838	78,700	*	2,212	184,115	3,153
Shinele	9,408	2,118	252	225	-	2,233	*	-	4,167	396
Jijiga	150,462	38,399	1,092	5,881	*	35,094	*	*	68,907	*
Liben	193,900	6,100	3,494	25,335	1,548	41,374	*	*	111,041	2,612
<b>Benshangul-Gumuz</b>	309,462	117,652	*	3,599	10,455	8,045	2,546	*	150,286	15,548
Metekel	239,866	88,287	*	2,624	10,051	3,048	*	*	120,090	14,040
Asosa	42,693	19,139	*	*	*	2,127	*	-	18,006	*
Kemeshi	18,133	6,935	*	*	*	*	-	-	7,823	584
Mao Komo	8,770	3,290	-	288	-	739	85	-	4,368	-
<b>SNNP</b>	6,830,348	1,789,866	89,176	183,646	164,815	3,268,266	14,493	20,275	820,334	479,476
Gurage	727,134	142,659	6,350	13,055	27,107	382,958	*	*	66,130	83,895
Hadiya	500,807	177,552	*	4,152	18,581	230,558	*	*	21,559	46,986
Kembata Tembaro	202,007	56,405	1,286	*	8,585	102,109	*	*	*	30,702
Sidama	1,186,334	63,149	10,686	30,299	13,010	827,205	*	*	149,680	83,561
Gedio	109,001	*	31,881	4,436	*	33,551	-	5,913	22,684	*
Wolayita	476,719	125,946	*	*	27,338	238,222	*	*	7,733	70,660
South Omo	569,756	94,814	*	*	15,867	125,322	*	*	197,684	23,348
Shaka	73,625	22,717	1,026	*	*	36,268	*	*	11,114	*
Kaffa	562,026	223,763	6,090	*	2,352	226,057	*	*	96,652	3,590
Gamo Gofa	865,286	261,260	*	9,809	18,767	426,483	*	-	88,144	55,522
Bench Maji	314,318	130,376	1,527	*	*	119,607	*	-	54,761	*
Yem Sp. Wereda	50,150	24,290	*	-	1,548	12,205	-	-	7,369	4,487
Amaro Sp. Wereda	94,919	31,787	1,369	4,245	*	18,930	*	*	31,903	4,707
Burji Sp. Wereda	34,333	18,751	159	684	425	7,908	*	-	5,915	398
Konso Sp. Wereda	95,131	31,293	5,655	5,210	2,308	27,792	*	-	18,557	4,239
Derashe Sp. Wereda	49,893	28,765	982	*	*	10,607	-	*	7,317	*
Dawro	228,262	69,407	1,467	812	8,517	129,386	*	*	1,223	16,579
Basketo Sp. Wereda	24,749	9,853	348	587	*	11,046	*	-	2,244	390
Konta Sp. Wereda	60,561	24,612	*	*	1,164	31,330	-	*	*	1,889
Silte	472,474	184,327	*	2,619	14,406	213,646	1,432	*	19,761	33,901
Alaba Sp. Wereda	132,863	59,825	368	*	1,515	57,075	-	*	6,662	5,666
<b>Gambela Region</b>	122,843	6,172	*	12,652	*	23,346	*	*	77,307	*
Angnuwak	9,083	5,038	*	*	*	2,017	*	*	*	-
Nuware	91,454	-	*	10,461	-	14,786	-	*	63,767	-
Mezhenger	9,800	1,134	*	*	*	5,118	-	*	3,188	*
Itang Special	12,506	-	326	1,826	-	1,425	-	*	8,905	-
<b>Harari</b>	28,815	4,468	2,355	*	270	4,910	*	*	14,970	1,341
Hundene	28,815	4,468	2,355	*	270	4,910	*	*	14,970	1,341
<b>Dire Dawa</b>	24,849	5,788	1,558	*	*	3,154	-	-	12,346	1,814

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>	13,581,234	614,092	19,306	963,180	65,469	92,653	69,136	11,685,43	71,960
<b>Tigray</b>	685,754	16,682	-	76,912	*	778	218	587,594	1,708
North West Tigray	35,381	*	-	1,450	*	-	-	32,202	-
Central Tigray	156,589	*	-	16,297	*	-	-	137,676	424
Eastern Tigray	283,253	5,569	-	29,115	-	778	-	246,507	1,284
Southern Tigray	148,449	*	-	13,548	*	-	218	126,422	-
Western Tigray	*	*	-	*	-	-	-	44,788	-
<b>Afar</b>	540,437	10,718	*	77,545	*	8,606	3,632	436,121	1,761
Zone 1	376,118	6,908	*	59,419	416	6,059	2,620	298,180	1,667
Zone 3	164,319	*	-	18,126	*	2,548	1,011	137,941	93
<b>Amhara</b>	4,756,590	258,812	*	234,141	34,466	26,979	26,471	4,139,165	27,596
North Gonder	408,617	4,086	-	24,103	*	1,634	-	373,536	2,029
South Gonder	528,099	25,443	-	*	*	3,590	-	480,797	2,546
North Wolo	430,052	16,824	*	45,021	6,902	237	8,408	345,250	5,108
South Wolo	1,055,975	55,171	*	82,928	8,551	5,421	-	895,103	7,138
North Shewa	838,091	87,826	*	38,325	*	5,195	12,491	669,595	7,805
East Gojam	669,875	35,723	-	7,305	*	8,181	2,415	614,283	1,558
West Gojam	449,797	21,116	-	7,410	-	1,166	1,093	418,262	750
Waghamera	97,712	5,502	-	8,495	*	575	-	82,801	234
Awı	226,098	2,557	-	3,159	-	979	2,065	216,909	428
Oromia	50,876	4,418	*	2,214	2,041	-	-	41,771	-
Argoba Special	1,398	147	-	272	123	-	-	856	-
<b>Oromia</b>	4,512,663	182,547	6,587	233,799	23,434	36,678	32,006	3,969,563	28,047
West Wellega	125,411	2,717	*	8,828	*	645	716	111,634	551
East Wellega	117,946	878	*	9,632	*	735	1,880	102,853	967
Illubabor	198,404	7,786	-	4,072	737	191	1,525	182,508	1,584
Jimma	459,020	20,661	*	6,856	*	1,918	757	424,554	1,279
West Shewa	442,019	14,382	-	8,256	-	2,370	7,012	407,097	2,902
North Shewa	522,157	15,577	*	12,708	*	2,357	7,769	475,389	5,004
East Shewa	173,334	6,993	*	9,608	*	678	618	149,133	1,677
Arsi	672,226	29,082	*	50,029	*	10,433	2,840	564,229	7,968
West Harerghe	94,742	5,135	-	1,619	-	-	574	87,414	-
East Harerghe	247,854	23,423	-	*	*	5,629	460	210,692	460
Bale	180,603	12,850	-	*	*	3,320	177	148,143	689
Borena	163,411	7,414	-	23,110	*	1,078	-	131,213	293
South West Shewa	158,717	9,603	-	5,743	1,406	618	3,087	138,036	225
Guji	320,655	10,672	*	48,515	*	5,426	2,048	252,606	667
West Arsi	437,758	10,573	*	18,593	*	1,183	2,445	401,974	2,027
Kelem Wellega	94,918	2,724	*	4,374	*	-	-	85,017	1,110
Horoguduru Wellega	103,485	*	*	3,289	*	98	98	97,073	645

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>	541,737	22,935	*	132,540	*	4,061	1,086	377,661	145
Shinele	37,232	2,368	-	4,332	-	35	-	30,497	-
Jijiga	341,540	15,222	*	99,343	*	1,097	73	222,903	145
Liben	162,965	5,345	*	28,864	-	2,929	1,013	124,262	-
<b>Benshangul-Gumuz</b>	49,250	1,628	-	4,682	*	183	170	42,438	128
Metekel	29,166	770	-	2,405	-	-	170	25,733	89
Asosa	9,358	680	-	1,671	-	-	-	7,007	-
Kemeshi	5,986	*	-	312	-	163	-	5,352	-
Mao Komo	4,740	*	-	294	*	20	-	4,347	40
<b>SNNP</b>	2,437,149	115,911	1,270	199,449	2,716	15,178	5,350	2,084,732	12,543
Gurage	212,012	3,774	*	19,213	-	240	1,345	186,466	722
Hadiya	133,137	8,092	-	5,576	*	-	-	117,860	1,137
Kembata Tembaro	54,779	8,318	*	1,227	-	1,065	330	43,186	544
Sidama	208,425	*	-	12,500	-	613	1,106	186,532	2,676
Gedio	117,603	5,963	*	8,887	*	957	221	100,345	895
Wolayita	99,073	5,115	-	3,483	*	-	242	89,183	525
South Omo	315,049	14,288	-	72,105	*	2,438	531	225,563	-
Shaka	27,270	1,632	-	*	-	57	56	24,941	462
Kaffa	241,140	6,915	-	3,727	*	2,851	200	225,383	1,928
Gamo Gofa	423,747	16,897	-	23,539	*	4,091	267	377,740	932
Bench Maji	129,403	7,167	*	5,272	-	126	-	116,332	129
Yem Sp. Wereda	15,348	*	-	279	*	-	-	14,721	-
Amaro Sp. Wereda	35,480	2,738	-	3,959	-	60	60	28,662	-
Burji Sp. Wereda	1,059	*	-	99	*	-	-	923	-
Konso Sp. Wereda	69,666	15,452	*	8,906	*	170	178	44,712	84
Derashe Sp. Wereda	18,563	*	-	2,661	-	-	-	14,320	59
Dawro	58,281	3,106	-	3,853	*	686	192	49,018	1,219
Basketo Sp. Wereda	9,395	157	-	464	*	30	76	8,559	25
Konta Sp. Wereda	10,570	1,089	-	*	-	269	45	8,744	-
Silte	209,767	6,676	*	16,343	*	1,155	233	183,723	933
Alaba Sp. Wereda	47,380	*	-	6,809	*	370	268	37,818	272
<b>Gambela Region</b>	19,391	891	-	3,227	*	89	112	14,994	32
Angnuwak	*	*	-	*	-	23	-	296	-
Nuware	11,915	*	-	2,271	-	-	62	9,428	-
Mezhenger	4,536	645	-	143	*	47	50	3,605	-
Itang Special	2,085	-	-	*	-	19	-	1,664	32
<b>Harari</b>	2,866	143	-	*	*	20	55	2,510	-
Hundene	2,866	143	-	*	*	20	55	2,510	-
<b>Dire Dawa</b>	35,398	3,824	-	798	-	81	36	30,659	-

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	Meat	Milk	Breeding	Other
<b>Ethiopia</b>	11,623,972	719,630	1,186,270	78,180	61,740	704,559	8,836,601	36,992
<b>Tigray</b>	1,590,126	62,043	206,723	17,051	13,012	5,473	1,280,454	5,371
North West Tigray	464,779	25,342	44,158	*	10,675	*	372,089	*
Central Tigray	535,078	15,555	78,142	*	*	*	433,037	*
Eastern Tigray	136,551	*	9,010	*	-	*	113,609	*
Southern Tigray	202,932	7,514	18,385	1,453	*	*	173,581	*
Western Tigray	250,785	*	*	*	*	*	188,139	*
<b>Afar</b>	940,561	19,894	117,806	*	5,673	150,696	643,711	*
Zone 1	578,812	11,368	81,266	*	5,360	110,079	369,724	*
Zone 3	361,749	8,525	36,540	499	*	40,617	273,987	*
<b>Amhara</b>	2,683,235	287,846	195,839	34,709	11,113	6,580	2,137,759	9,389
North Gondar	548,126	22,815	47,372	*	*	-	473,071	*
South Gondar	335,874	41,969	*	*	*	-	257,500	-
North Wolo	305,518	26,543	23,767	5,401	*	-	247,413	*
South Wolo	397,715	48,158	33,055	8,655	1,716	-	304,010	*
North Shewa	346,960	75,445	17,553	*	*	2,498	232,104	2,532
East Gojam	202,061	30,543	5,879	*	*	-	164,110	-
West Gojam	122,313	12,834	*	-	3,391	-	100,734	-
Waghamera	242,726	17,747	20,448	*	685	*	200,373	-
Awi	59,580	5,923	2,108	*	*	-	49,874	*
Oromia	112,307	4,989	4,752	*	*	*	101,068	*
Argoba Special	10,055	879	1,125	*	111	*	7,503	*
<b>Oromia</b>	3,724,606	212,541	278,793	21,243	14,014	357,974	2,824,925	15,116
West Wellega	51,419	*	4,764	*	*	*	43,305	*
East Wellega	78,699	5,343	5,187	*	1,011	*	64,890	*
Illubabor	79,276	5,992	2,628	*	1,174	-	67,762	*
Jimma	153,079	4,066	*	*	*	-	144,203	*
West Shewa	136,120	14,736	8,229	-	*	*	111,042	*
North Shewa	103,753	7,883	5,344	*	*	*	86,716	*
East Shewa	241,498	6,857	21,416	*	*	11,339	195,755	*
Arsi	354,461	16,857	18,514	*	*	21,900	290,518	*
West Harerghe	457,020	24,343	34,340	*	*	*	309,049	*
East Harerghe	596,098	73,135	14,666	*	*	*	454,637	*
Bale	397,809	15,997	39,802	4,402	-	55,441	278,801	*
Borena	405,628	9,883	56,319	*	*	53,069	284,860	-
South West Shewa	132,461	14,016	14,054	*	*	*	101,175	*
Guji	268,877	4,323	35,728	-	*	26,377	202,212	-
West Arsi	173,668	4,179	11,897	*	*	49,615	105,502	*
Kelem Wellega	33,479	*	1,573	-	*	*	29,494	*
Horoguduru Wellega	61,262	3,404	2,563	*	*	-	55,005	-

TABLE 3-9 CONT'D

Geographic Area	GOATS AGED 2 YEARS AND OLDER							
	Total	MALE			FEMALE			
		Meat	Breeding	Other	Meat	Milk	Breeding	Other
<b>Somale</b>	715,945	25,440	129,773	384	*	48,938	504,364	*
Shinele	115,420	5,527	11,565	*	*	4,884	93,294	-
Jijiga	255,766	10,856	70,008	*	509	11,791	162,164	*
Liben	344,760	9,056	48,201	*	*	32,262	248,907	*
<b>Benshangul-Gumuz</b>	196,506	5,296	20,326	*	*	*	166,732	*
Metekel	69,722	2,911	5,257	*	-	*	60,700	*
Asosa	92,771	1,465	11,246	*	-	*	77,254	*
Kemeshi	24,957	*	3,058	*	*	-	20,647	-
Mao Komo	9,055	*	766	*	-	*	8,130	-
<b>SNNP</b>	1,623,679	95,227	229,748	2,881	11,147	128,244	1,152,646	3,786
Gurage	79,615	3,507	7,335	*	*	*	65,814	*
Hadiya	58,630	*	3,760	-	*	2,304	48,894	-
Kembata Tembaro	19,824	863	449	*	*	*	17,715	-
Sidama	142,192	9,631	10,158	-	*	47,089	73,021	*
Gedio	8,465	*	-	-	-	-	7,561	-
Wolayita	48,958	2,395	3,032	-	-	*	42,814	-
South Omo	548,161	23,950	145,409	-	*	43,916	329,041	-
Shaka	6,772	413	*	*	-	*	6,069	*
Kaffa	103,117	1,660	1,845	*	*	*	96,800	*
Gamo Gofa	157,604	7,619	16,612	*	*	*	123,799	-
Bench Maji	57,397	5,134	1,590	-	*	*	49,429	*
Yem Sp. Wereda	12,586	*	401	*	-	*	11,843	*
Amaro Sp. Wereda	39,385	3,325	4,120	-	*	*	31,270	*
Burji Sp. Wereda	15,721	606	2,607	*	-	*	12,239	*
Konso Sp. Wereda	117,851	23,796	12,934	*	*	*	80,422	*
Derashe Sp. Wereda	35,370	1,876	5,485	-	*	986	26,412	*
Dawro	24,926	*	1,899	-	*	*	21,594	*
Basketo Sp. Wereda	6,075	*	513	-	-	*	5,012	-
Konta Sp. Wereda	6,033	*	*	*	*	-	4,876	*
Silte	97,386	4,133	6,965	-	*	13,585	72,017	-
Alaba Sp. Wereda	37,610	*	4,144	-	*	6,082	26,004	*
<b>Gambela Region</b>	36,569	*	4,074	*	*	314	31,154	*
Angnuwak	2,921	*	298	-	*	*	2,561	-
Nuware	26,806	*	2,486	-	-	*	23,480	-
Mezhenger	641	*	-	*	-	-	546	-
Itang Special	6,202	*	*	*	*	*	4,568	*
<b>Harari</b>	23,310	2,533	1,155	*	*	212	19,237	*
Hundene	23,310	2,533	1,155	*	*	212	19,237	*
<b>Dire Dawa</b>	89,436	7,919	2,033	-	*	3,779	75,619	*

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>	1,666,353	705,016	105,176	17,527	538,727	110,202	189,706
<b>Tigray</b>	1,914	1,448	-	-	*	-	-
North West Tigray	*	-	-	-	*	-	-
Central Tigray	-	-	-	-	-	-	-
Eastern Tigray	-	-	-	-	-	-	-
Southern Tigray	950	950	-	-	-	-	-
Western Tigray	*	*	-	-	*	-	-
<b>Afar</b>	-	-	-	-	-	-	-
Zone 1	-	-	-	-	-	-	-
Zone 3	-	-	-	-	-	-	-
<b>Amhara</b>	330,178	56,187	77,475	2,051	47,899	88,321	58,246
North Gondar	17,026	3,244	*	-	*	*	*
South Gondar	27,205	*	*	*	5,538	*	*
North Wolo	27,604	2,927	*	*	*	10,513	*
South Wolo	65,393	10,297	*	-	8,069	27,886	*
North Shewa	29,032	4,989	1,163	*	14,710	*	*
East Gojam	74,882	22,640	19,425	*	10,747	*	16,411
West Gojam	*	1,461	*	*	*	5,529	*
Waghamera	*	-	-	-	*	-	-
Awi	62,150	6,010	29,803	-	*	24,841	*
Oromia	-	-	-	-	-	-	-
Argoba special	-	-	-	-	-	-	-
<b>Oromia</b>	958,548	479,796	12,114	11,386	348,112	*	95,221
West Wellega	*	*	-	-	*	-	*
East Wellega	*	*	-	-	*	-	*
Illubabor	31,261	14,149	-	-	11,899	*	*
Jimma	83,722	35,304	*	*	17,469	*	27,893
West Shewa	124,685	61,592	*	*	35,138	*	19,168
North Shewa	68,931	25,062	-	-	41,942	*	*
East Shewa	12,422	9,340	-	-	*	-	-
Arsi	187,960	83,836	*	*	101,159	-	*
West Harerghe	-	-	-	-	-	-	-
East Harerghe	*	-	-	-	*	*	-
Bale	66,676	42,922	-	-	19,236	-	*
Borena	*	*	-	-	*	-	-
South West Shewa	47,291	37,881	1,095	*	6,246	*	-
Guji	149,825	67,778	*	7,555	45,736	*	20,171
West Arsi	143,163	84,608	-	*	52,453	-	5,796
Kelem Wellega	5,869	2,397	-	-	1,741	-	*
Horoguduru Wellega	27,152	11,632	*	-	7,635	*	6,803

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	-	-	-	-	-	-	-
Mao Komo	-	-	-	-	-	-	-
<b>SNNP</b>	374,183	166,667	*	4,090	142,250	9,962	35,626
Gurage	54,162	25,673	*	*	21,754	-	6,155
Hadiya	22,746	8,898	-	*	7,404	*	4,357
Kembata Tembaro	5,878	3,336	-	-	2,022	*	*
Sidama	60,300	31,453	-	*	27,233	-	*
Gedio	24,129	13,240	*	*	*	*	*
Wolayita	-	-	-	-	-	-	-
South Omo	15,275	3,239	*	*	6,170	*	*
Shaka	4,888	3,471	*	-	*	-	*
Kaffa	65,023	40,682	*	*	10,397	-	13,324
Gamo Gofa	57,119	11,185	*	-	27,908	*	*
Bench Maji	10,128	4,450	-	-	5,545	*	-
Yem Sp. Wereda	989	157	*	-	464	*	-
Amaro Sp. Wereda	2,985	1,257	-	-	1,271	*	*
Burji Sp. Wereda	-	-	-	-	-	-	-
Konso Sp. Wereda	-	-	-	-	-	-	-
Derashe Sp. Wereda	*	*	-	-	*	*	-
Dawro	5,416	2,256	-	*	1,673	-	*
Basketo Sp. Wereda	365	314	-	*	*	-	-
Konta Sp. Wereda	1,454	1,258	-	-	*	-	-
Silte	38,130	12,236	-	*	21,319	-	*
Alaba Sp. Wereda	4,226	2,787	-	-	1,439	-	-
<b>Gambela Region</b>	*	*	-	-	-	-	-
Angnuwak	-	-	-	-	-	-	-
Nuware	-	-	-	-	-	-	-
Mezhenger	*	*	-	-	-	-	-
Itang Special	-	-	-	-	-	-	-
<b>Harari</b>	-	-	-	-	-	-	-
Hundene	-	-	-	-	-	-	-
<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>	4,884,291	1,842,164	345,381	70,046	1,974,071	488,038	164,590
<b>Tigray</b>	459,654	192,920	54,701	*	157,268	52,651	*
North West Tigray	81,414	34,308	6,818	-	32,613	7,675	-
Central Tigray	122,895	41,117	16,360	*	43,219	21,973	-
Eastern Tigray	78,270	37,551	6,286	*	27,131	*	*
Southern Tigray	127,421	46,729	24,038	-	40,099	16,337	*
Western Tigray	49,654	33,215	*	-	14,206	*	*
<b>Afar</b>	53,908	18,064	*	*	30,973	*	2,555
Zone 1	36,018	13,700	*	*	19,512	*	*
Zone 3	17,889	4,364	*	*	11,460	*	*
<b>Amhara</b>	1,675,249	512,739	150,159	22,656	610,756	284,576	94,362
North Gondar	240,177	120,065	8,578	*	88,804	3,284	17,512
South Gondar	211,930	48,605	10,236	-	115,736	*	9,102
North Wolo	141,021	37,049	11,516	*	65,930	20,265	*
South Wolo	274,318	88,491	13,027	*	113,391	39,750	19,252
North Shewa	256,242	121,781	8,176	*	96,340	26,853	2,207
East Gojam	247,651	33,263	43,579	*	49,079	89,240	24,458
West Gojam	167,519	22,309	36,881	10,108	41,423	45,730	11,068
Waghamera	59,670	22,905	7,325	-	13,672	14,079	1,690
Awi	45,699	8,317	10,621	*	7,100	16,189	*
Oromia	27,934	8,362	*	*	17,822	*	*
Argoba Special	3,088	1,594	-	-	1,457	*	-
<b>Oromia</b>	2,085,553	856,482	106,953	24,708	913,694	129,179	54,538
West Wellega	71,254	23,058	*	*	40,403	3,294	2,969
East Wellega	76,059	30,985	*	-	31,702	*	5,469
Illubabor	19,466	10,547	-	*	5,351	*	2,416
Jimma	59,770	26,017	*	*	14,846	*	11,622
West Shewa	132,720	49,987	6,230	*	57,622	13,681	4,569
North Shewa	151,490	39,941	12,251	*	58,384	34,108	*
East Shewa	210,790	88,552	22,389	*	79,911	14,092	*
Arsi	289,023	120,181	*	*	139,504	*	*
West Harerghe	180,498	81,242	*	*	88,292	*	*
East Harerghe	236,677	89,995	29,386	*	97,170	17,766	*
Bale	179,031	93,993	*	*	75,127	*	*
Borena	60,538	29,365	*	*	24,525	*	-
South West Shewa	137,174	51,803	6,548	*	58,030	18,577	*
Guji	54,462	24,767	*	*	24,618	*	*
West Arsi	154,786	70,879	1,231	*	79,912	*	1,224
Kelem Wellega	24,341	12,384	*	*	10,461	*	*
Horoguduru Wellega	47,475	12,784	*	-	27,836	*	2,708

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>	87,073	47,066	783	*	34,318	*	2,529
Shinele	7,043	3,844	*	*	3,034	-	87
Jijiga	31,468	15,614	*	*	15,052	*	*
Liben	48,562	27,608	*	*	16,232	*	2,151
<b>Benshangul-Gumuz</b>	52,568	15,818	16,327	713	14,030	4,131	*
Metekel	27,446	5,024	14,938	*	*	2,446	*
Asosa	17,407	6,705	*	*	8,188	1,665	*
Kemeshi	5,183	2,984	1,282	*	716	-	-
Mao Komo	2,532	1,104	-	*	1,186	*	*
<b>SNNP</b>	449,762	191,252	15,157	17,605	202,355	15,933	7,461
Gurage	73,686	35,616	-	*	36,450	*	*
Hadiya	62,677	23,546	-	*	38,224	-	*
Kembata Tembaro	17,582	13,640	-	*	3,839	-	-
Sidama	60,171	42,077	*	*	14,829	*	*
Gedio	7,472	5,802	*	-	*	-	-
Wolayita	28,135	20,222	*	*	*	-	*
South Omo	21,023	*	475	*	*	*	*
Shaka	1,764	1,642	*	-	-	-	-
Kaffa	*	*	-	*	*	-	-
Gamo Gofa	37,334	11,677	*	*	4,314	12,233	-
Bench Maji	*	*	*	-	-	-	-
Yem Sp. Wereda	2,950	1,279	*	-	1,336	152	-
Amaro Sp. Wereda	*	*	-	-	*	-	*
Burji Sp. Wereda	3,713	1,257	834	-	1,400	222	-
Konso Sp. Wereda	5,330	*	*	-	1,600	*	-
Derashe Sp. Wereda	11,497	*	7,606	-	710	982	-
Dawro	2,586	2,018	-	*	*	-	-
Basketo Sp. Wereda	295	*	-	*	*	-	-
Konta Sp. Wereda	*	*	-	*	-	-	-
Silte	76,276	13,433	-	*	61,168	-	*
Alaba Sp. Wereda	31,293	6,189	-	-	25,009	*	-
<b>Gambela Region</b>	*	*	*	*	-	-	-
Angnuwak	*	*	*	*	-	-	-
Nuware	-	-	-	-	-	-	-
Mezhenger	*	*	-	-	-	-	-
Itang Special	-	-	-	-	-	-	-
<b>Harari</b>	8,474	4,325	562	*	3,110	241	*
Hundene	8,474	4,325	562	*	3,110	241	*
<b>Dire Dawa</b>	11,600	3,088	465	-	7,568	367	*

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>	336,507	153,743	10,877	4,272	152,838	10,030	4,747
<b>Tigray</b>	4,229	2,401	-	-	1,828	-	-
North West Tigray	*	-	-	-	*	-	-
Central Tigray	*	-	-	-	*	-	-
Eastern Tigray	*	*	-	-	-	-	-
Southern Tigray	2,154	1,713	-	-	*	-	-
Western Tigray	*	*	-	-	*	-	-
<b>Afar</b>	*	*	-	-	-	-	-
Zone 1	-	-	-	-	-	-	-
Zone 3	*	*	-	-	-	-	-
<b>Amhara</b>	92,970	29,900	9,092	*	42,436	6,552	2,538
North Gonder	5,622	2,844	-	-	2,778	-	-
South Gonder	13,740	3,440	*	-	6,908	*	*
North Wolo	6,943	2,318	-	-	4,096	*	-
South Wolo	14,236	5,824	*	-	7,177	*	*
North Shewa	10,258	5,559	*	-	4,115	-	*
East Gojam	9,796	*	-	*	4,080	-	*
West Gojam	22,508	*	*	*	10,752	4,965	-
Waghamera	2,903	1,045	-	-	1,640	*	-
Awi	6,834	2,726	2,788	*	*	-	*
Oromia	*	*	-	-	-	-	-
Argoba Special	*	-	-	-	*	-	-
<b>Oromia</b>	164,334	81,520	*	*	79,241	1,847	*
West Wellega	3,328	1,989	-	-	1,130	*	-
East Wellega	4,962	1,975	-	-	2,987	-	-
Illubabor	9,457	3,325	-	*	5,917	-	-
Jimma	19,846	5,496	-	-	13,978	*	-
West Shewa	8,265	4,270	-	-	3,380	*	*
North Shewa	7,580	2,692	-	-	4,355	*	-
East Shewa	4,933	4,730	*	-	-	-	-
Arsi	20,617	11,904	-	-	8,713	-	-
West Harerghe	*	*	-	-	*	-	-
East Harerghe	*	*	-	-	-	*	-
Bale	28,558	17,492	-	-	10,861	-	*
Borena	*	3,038	-	-	*	-	*
South West Shewa	7,609	3,496	-	-	3,913	-	*
Guji	27,207	12,592	*	-	14,198	-	-
West Arsi	3,506	*	-	-	*	-	-
Kelem Wellega	4,537	1,712	-	-	2,825	-	-
Horoguduru Wellega	4,130	2,655	-	-	1,474	-	-

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							
	2,535	1,499			1,036		
<b>Benshangul-Gumuz</b>	2,069	1,352			717		
Metekel	*	*			*		
Asosa	*	*			-		
Kemeshi	*	*			*		
Mao Komo	*	*			-		
<b>SNNP</b>	71,088	37,148	1,166	1,605	28,221	*	1,317
Gurage	5,373	2,879			2,495		
Hadiya	7,431	3,672			3,528		*
Kembata Tembaro	1,493	602			891		
Sidama	*	*			*		
Gedio	5,407	2,358	*	*	1,702		*
Wolayita	1,216	1,216			-		
South Omo	3,442	1,409			1,867		*
Shaka	450	*			*		
Kaffa	12,300	7,013	*	*	4,325		*
Gamo Gofa	11,362	6,285	*		3,138	*	*
Bench Maji	2,887	*	*	*	1,330	*	
Yem Sp. Wereda	154	*			*		
Amaro Sp. Wereda	1,348	989			359		
Burji Sp. Wereda	99	*			*		
Konso Sp. Wereda	-	-			-		
Derashe Sp. Wereda	414	*	*		*		
Dawro	6,764	4,038	*	*	2,283	*	*
Basketo Sp. Wereda	608	293	*		127	*	*
Konta Sp. Wereda	779	542			237		
Silte	2,319	*			*		
Alaba Sp. Wereda	378	*			*		
<b>Gambela Region</b>	-	-			-		
Angnuwak	-	-			-		
Nuware	-	-			-		
Mezhenger	-	-			-		
Itang Special	-	-			-		
<b>Harari</b>	-	-			-		
Hundene	-	-			-		
<b>Dire Dawa</b>	-	-			-		

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

[illegible]

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>	225,218	32,738	8,622	1,754	16,935	*	13,863	*	102,735	45,573
Shinele	12,792	3,776	*	-	*	-	1,114	-	4,980	2,762
Jijiga	51,376	11,497	3,358	*	*	*	6,276	*	16,915	10,691
Liben	161,049	17,465	5,191	*	14,793	*	6,473	*	80,839	32,119
<b>Benshangul-Gumuz</b>	-	-	-	-	-	-	-	-	-	-
Metekel	-	-	-	-	-	-	-	-	-	-
Asosa	-	-	-	-	-	-	-	-	-	-
Kemeshi	-	-	-	-	-	-	-	-	-	-
Mao Komo	-	-	-	-	-	-	-	-	-	-
<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>Gambela Region</b>	-	-	-	-	-	-	-	-	-	-
Angnuwak	-	-	-	-	-	-	-	-	-	-
Nuware	-	-	-	-	-	-	-	-	-	-
Mezhenger	-	-	-	-	-	-	-	-	-	-
Itang Special	-	-	-	-	-	-	-	-	-	-
<b>Harari</b>	*	*	*	-	-	-	*	-	*	*
Hundene	*	*	*	-	-	-	*	-	*	*
<b>Dire Dawa</b>	4,589	1,911	284	-	*	-	*	-	1,454	766

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>	53,382,194	23,775,083	125,245	17,019	29,214,454	214,401	35,991
<b>Tigray</b>	3,630,957	1,735,415	7,333	3,163	1,873,557	8,601	2,887
North West Tigray	975,646	434,064	*	*	538,383	*	*
Central Tigray	732,701	404,823	*	*	323,083	*	*
Eastern Tigray	405,097	201,864	3,805	*	194,815	3,057	1,361
Southern Tigray	699,559	366,837	*	*	327,149	*	*
Western Tigray	817,952	327,826	-	-	490,126	-	-
<b>Afar</b>	899,078	185,084	*	-	713,912	-	-
Zone 1	579,865	119,527	-	-	460,338	-	-
Zone 3	319,213	65,557	*	-	253,574	-	-
<b>Amhara</b>	13,371,486	6,899,348	32,295	2,733	6,397,684	37,555	1,870
North Gonder	2,446,359	1,128,002	*	-	1,312,275	*	*
South Gonder	1,754,214	918,675	*	*	831,423	*	*
North Wolo	923,810	446,023	*	-	475,321	*	-
South Wolo	1,673,334	906,837	6,790	*	745,332	12,634	-
North Shewa	1,245,842	723,256	13,492	-	496,759	12,049	*
East Gojam	1,741,679	963,341	*	*	770,649	*	*
West Gojam	2,044,085	1,097,940	*	-	943,785	*	-
Waghamera	339,747	159,681	-	*	179,856	-	-
Awi	868,801	397,362	*	-	467,132	*	-
Oromia	305,094	144,129	-	-	160,734	*	-
Argoba Special	28,520	14,102	-	-	14,417	-	-
<b>Oromia</b>	22,958,489	10,371,287	75,859	9,633	12,346,800	128,511	26,400
West Wellega	918,028	425,022	-	-	493,005	-	-
East Wellega	1,209,379	559,779	-	-	649,600	-	-
Illubabor	1,012,839	469,584	*	-	542,702	*	*
Jimma	2,317,678	1,081,795	*	-	1,235,150	-	-
West Shewa	2,101,502	1,029,789	*	*	1,066,007	*	*
North Shewa	1,405,890	679,176	32,109	*	639,568	49,738	*
East Shewa	1,031,652	573,670	*	*	454,322	*	*
Arsi	2,455,313	1,174,756	19,965	*	1,224,844	31,428	*
West Harerghe	1,179,638	520,881	*	-	657,469	*	-
East Harerghe	1,395,752	515,175	*	*	858,772	*	*
Bale	1,506,467	684,903	*	-	815,557	2,673	*
Borena	1,125,594	387,036	-	*	731,210	-	*
South West Shewa	1,028,492	559,767	*	-	465,555	*	*
Guji	1,464,565	532,097	-	-	932,468	-	-
West Arsi	1,697,603	630,565	14,215	*	1,019,895	29,697	2,206
Kelem Wellega	410,368	213,542	-	-	196,826	-	-
Horoguduru Wellega	697,729	333,751	-	-	363,851	*	-

TABLE 3-14 CONT'D

Geographic Area	Total	MALE			FEMALE		
		Indigenous	Hybrid	Exotic	Indigenous	Hybrid	Exotic
<b>Somale</b>	610,514	184,316	-	-	426,199	-	-
Shinele	15,246	4,996	-	-	10,250	-	-
Jijiga	248,435	88,056	-	-	160,379	-	-
Liben	346,833	91,264	-	-	255,570	-	-
<b>Benshangul-Gumuz</b>	502,857	226,265	-	-	276,592	-	-
Metekel	399,660	178,311	-	-	221,349	-	-
Asosa	61,234	29,933	-	-	31,301	-	-
Kemeshi	27,468	12,032	-	-	15,436	-	-
Mao Komo	14,495	5,988	-	-	8,507	-	-
<b>SNNP</b>	11,060,053	4,068,590	9,593	1,408	6,936,805	39,235	4,422
Gurage	1,184,337	370,587	*	-	811,976	*	-
Hadiya	761,197	322,114	*	-	430,951	5,753	-
Kembata Tembaro	317,239	113,006	4,869	759	174,462	20,561	*
Sidama	2,077,636	474,183	*	-	1,592,653	*	-
Gedio	160,645	72,759	-	-	87,886	-	-
Wolayita	767,154	299,427	-	*	466,482	*	-
South Omo	944,434	381,886	*	-	561,347	*	-
Shaka	127,811	50,679	-	-	77,132	-	-
Kaffa	916,663	398,910	-	*	517,237	-	*
Gamo Gofa	1,438,752	546,484	-	-	892,268	-	-
Bench Maji	478,309	211,392	-	-	266,917	-	-
Yem Sp. Wereda	68,449	34,626	-	-	33,823	-	-
Amaro Sp. Wereda	132,540	54,561	-	-	77,979	-	-
Burji Sp. Wereda	45,011	24,592	-	-	20,419	-	-
Konso Sp. Wereda	136,936	63,329	-	-	73,607	-	-
Derashe Sp. Wereda	73,434	43,056	-	-	30,378	-	-
Dawro	388,164	151,279	*	-	236,714	*	-
Basketo Sp. Wereda	39,756	18,446	-	-	21,284	-	*
Konta Sp. Wereda	106,438	46,562	-	-	59,779	*	-
Silte	704,174	304,459	*	-	398,791	-	*
Alaba Sp. Wereda	190,971	86,252	-	-	104,719	-	-
<b>Gambela Region</b>	253,389	70,791	-	-	182,598	-	-
Angnuwak	13,126	7,694	-	-	5,431	-	-
Nuware	192,346	50,998	-	-	141,349	-	-
Mezhenger	19,708	5,509	-	-	14,199	-	-
Itang Special	28,208	6,590	-	-	21,618	-	-
<b>Harari</b>	52,245	18,382	*	*	32,816	*	413
Hundene	52,245	18,382	*	*	32,816	*	413
<b>Dire Dawa</b>	43,128	15,606	-	-	27,491	*	-

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>	25,509,004	6,955,754	8,070	2,435	18,532,981	9,218	*
<b>Tigray</b>	1,255,403	334,443	-	-	920,961	-	-
North West Tigray	70,710	16,993	-	-	53,717	-	-
Central Tigray	287,625	77,499	-	-	210,126	-	-
Eastern Tigray	518,835	135,913	-	-	382,922	-	-
Southern Tigray	269,098	67,982	-	-	201,116	-	-
Western Tigray	109,135	*	-	-	73,079	-	-
<b>Afar</b>	990,378	254,081	*	*	735,749	*	*
Zone 1	687,551	181,837	*	*	505,166	*	*
Zone 3	302,827	72,244	-	-	230,583	-	-
<b>Amhara</b>	8,679,879	2,357,881	7,736	*	6,303,365	8,492	*
North Gondar	757,210	185,552	-	-	571,658	-	-
South Gondar	957,912	232,144	*	-	724,930	-	-
North Wolo	775,413	215,298	*	*	557,287	*	*
South Wolo	1,944,501	587,462	*	*	1,350,462	*	-
North Shewa	1,536,429	461,453	*	*	1,066,586	*	-
East Gojam	1,187,398	274,853	-	-	912,545	-	-
West Gojam	836,413	217,066	-	-	619,346	-	-
Waghamera	172,680	47,698	-	-	124,982	-	-
Awi	418,805	102,874	-	-	315,931	-	-
Oromia	90,473	32,164	-	-	58,309	-	-
Argoba Special	2,645	1,316	-	-	1,329	-	-
<b>Oromia</b>	8,815,290	2,367,825	*	-	6,446,679	*	-
West Wellega	269,959	76,154	-	-	193,805	-	-
East Wellega	259,941	78,662	-	-	181,280	-	-
Illubabor	385,880	94,981	-	-	290,899	-	-
Jimma	824,485	203,089	-	-	621,396	-	-
West Shewa	903,165	227,515	-	-	675,650	-	-
North Shewa	967,798	237,738	*	-	729,576	*	-
East Shewa	320,326	92,213	-	-	228,113	-	-
Arsi	1,371,246	396,678	-	-	974,267	*	-
West Harerghe	181,959	46,582	-	-	135,377	-	-
East Harerghe	504,906	139,536	-	-	365,369	-	-
Bale	355,260	105,222	-	-	250,038	-	-
Borena	290,457	85,875	-	-	204,583	-	-
South West Shewa	310,180	83,362	-	-	226,818	-	-
Guji	587,683	173,073	-	-	414,609	-	-
West Arsi	866,354	217,023	-	-	649,331	-	-
Kelem Wellega	204,230	58,414	-	-	145,816	-	-
Hogodudu Wellega	211,461	51,709	-	-	159,752	-	-

TABLE 3-15 CONT'D

Geographic Area	Total	MALE			FEMALE		
		Indigenous	Hybrid	Exotic	Indigenous	Hybrid	Exotic
<b>Somale</b>	1,054,287	383,329	-	-	670,958	-	-
Shinele	78,496	24,571	-	-	53,925	-	-
Jijiga	666,130	266,915	-	-	399,215	-	-
Liben	309,661	91,843	-	-	217,818	-	-
<b>Benshangul-Gumuz</b>	105,724	31,670	-	*	73,752	-	*
Metekel	62,598	18,064	-	*	44,231	-	*
Asosa	19,729	6,687	-	-	13,041	-	-
Kemeshi	12,536	4,013	-	-	8,522	-	-
Mao Komo	10,862	2,906	-	-	7,957	-	-
<b>SNNP</b>	4,497,169	1,194,626	-	-	3,302,543	-	-
Gurage	392,739	97,292	-	-	295,446	-	-
Hadiya	239,767	58,988	-	-	180,779	-	-
Kembata Tembaro	106,123	34,585	-	-	71,539	-	-
Sidama	377,506	90,159	-	-	287,347	-	-
Gedio	222,220	65,196	-	-	157,024	-	-
Wolayita	202,876	52,217	-	-	150,659	-	-
South Omo	546,620	180,625	-	-	365,996	-	-
Shaka	55,562	15,218	-	-	40,343	-	-
Kaffa	448,546	105,091	-	-	343,454	-	-
Gamo Gofa	800,704	184,613	-	-	616,091	-	-
Bench Maji	226,976	57,443	-	-	169,532	-	-
Yem Sp. Wereda	28,006	6,353	-	-	21,653	-	-
Amaro Sp. Wereda	55,333	14,092	-	-	41,240	-	-
Burji Sp. Wereda	2,088	677	-	-	1,411	-	-
Konso Sp. Wereda	105,839	41,366	-	-	64,472	-	-
Derashe Sp. Wereda	30,445	10,717	-	-	19,729	-	-
Dawro	117,123	36,283	-	-	80,839	-	-
Basketo Sp. Wereda	19,275	3,848	-	-	15,427	-	-
Konta Sp. Wereda	26,888	10,522	-	-	16,366	-	-
Silte	408,837	104,756	-	-	304,081	-	-
Alaba Sp. Wereda	83,698	24,586	-	-	59,112	-	-
<b>Gambela Region</b>	39,564	12,026	-	-	27,538	-	-
Angnuwak	*	*	-	-	*	-	-
Nuware	24,859	6,657	-	-	18,202	-	-
Mezhenger	9,171	3,604	-	-	5,568	-	-
Itang Special	4,541	1,160	-	-	*	-	-
<b>Harari</b>	5,631	1,874	-	-	3,757	-	-
Hundene	5,631	1,874	-	-	3,757	-	-
<b>Dire Dawa</b>	65,678	17,999	-	-	47,678	-	-

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>	22,786,946	6,826,725	*	-	15,956,652	*	*
<b>Tigray</b>	3,049,486	867,468	*	-	2,180,797	*	-
North West Tigray	907,385	249,945	*	-	656,219	*	-
Central Tigray	993,935	290,782	-	-	703,153	-	-
Eastern Tigray	240,341	65,460	-	-	174,881	-	-
Southern Tigray	398,503	106,903	-	-	291,601	-	-
Western Tigray	509,322	154,378	-	-	354,944	-	-
<b>Afar</b>	1,774,875	423,155	-	-	1,351,720	-	-
Zone 1	1,083,567	273,739	-	-	809,828	-	-
Zone 3	691,308	149,416	-	-	541,892	-	-
<b>Amhara</b>	5,176,309	1,663,689	-	-	3,512,619	-	-
North Gonder	1,147,203	324,658	-	-	822,545	-	-
South Gonder	616,826	212,919	-	-	403,907	-	-
North Wolo	577,472	176,010	-	-	401,462	-	-
South Wolo	737,587	255,197	-	-	482,390	-	-
North Shewa	656,303	269,962	-	-	386,341	-	-
East Gojam	403,474	129,035	-	-	274,439	-	-
West Gojam	238,528	74,538	-	-	163,990	-	-
Waghamera	429,240	110,984	-	-	318,256	-	-
Awi	132,292	43,768	-	-	88,523	-	-
Oromia	215,404	58,751	-	-	156,653	-	-
Argoba Special	21,981	7,868	-	-	14,113	-	-
<b>Oromia</b>	7,531,445	2,250,048	*	-	5,280,307	*	*
West Wellega	132,773	43,683	-	-	89,090	-	-
East Wellega	174,822	61,540	-	-	113,282	-	-
Illubabor	188,258	62,261	-	-	125,997	-	-
Jimma	310,642	84,897	-	-	225,745	-	-
West Shewa	314,629	103,955	-	-	210,673	-	-
North Shewa	225,381	70,437	-	-	154,944	-	-
East Shewa	475,393	138,260	-	-	337,133	-	-
Arsi	696,053	202,039	-	-	494,014	-	-
West Harerghe	952,611	274,141	*	-	677,723	*	-
East Harerghe	1,203,562	392,786	-	-	810,775	-	-
Bale	723,055	203,147	-	-	519,908	-	-
Borena	770,739	219,451	-	-	550,946	-	*
South West Shewa	267,108	91,967	-	-	175,141	-	-
Guji	517,862	140,521	-	-	377,340	-	-
West Arsi	347,043	90,668	-	-	256,375	-	-
Kelem Wellega	86,378	26,484	-	-	59,894	-	-
Hogoduru Wellega	145,137	43,811	-	-	101,326	-	-

TABLE 3-16 CONT'D

Geographic Area	Total	MALE			FEMALE		
		Indigenous	Hybrid	Exotic	Indigenous	Hybrid	Exotic
<b>Somale</b>	1,411,481	428,103	-	-	983,378	-	-
Shinele	245,204	68,565	-	-	176,639	-	-
Jijiga	503,881	195,044	-	-	308,837	-	-
Liben	662,395	164,494	-	-	497,901	-	-
<b>Benshangul-Gumuz</b>	446,484	128,148	-	-	318,336	-	-
Metekel	176,207	53,828	-	-	122,379	-	-
Asosa	191,383	50,326	-	-	141,057	-	-
Kemeshi	59,206	18,206	-	-	40,999	-	-
Mao Komo	19,688	5,788	-	-	13,901	-	-
<b>SNNP</b>	3,086,531	978,801	*	-	2,106,471	*	-
Gurage	156,696	46,018	-	-	110,679	-	-
Hadiya	107,524	30,188	-	-	76,871	*	-
Kembata Tembaro	41,110	11,043	*	-	29,273	*	-
Sidama	298,866	91,275	-	-	207,591	-	-
Gedio	13,860	3,661	-	-	10,199	-	-
Wolayita	104,425	30,961	-	-	73,463	-	-
South Omo	968,531	351,959	-	-	616,571	-	-
Shaka	14,371	4,226	-	-	10,144	-	-
Kaffa	216,243	55,041	-	-	161,202	-	-
Gamo Gofa	336,941	104,844	-	-	232,097	-	-
Bench Maji	98,243	26,804	-	-	71,439	-	-
Yem Sp. Wereda	23,503	5,025	-	-	18,478	-	-
Amaro Sp. Wereda	67,547	19,055	-	-	48,492	-	-
Burji Sp. Wereda	25,775	7,978	-	-	17,797	-	-
Konso Sp. Wereda	193,356	72,365	-	-	120,990	-	-
Derashe Sp. Wereda	63,953	19,815	-	-	44,138	-	-
Dawro	63,468	20,694	-	-	42,774	-	-
Basketo Sp. Wereda	10,932	3,254	-	-	7,677	-	-
Konta Sp. Wereda	17,919	5,424	-	-	12,495	-	-
Silte	193,590	49,960	-	-	143,630	-	-
Alaba Sp. Wereda	69,680	19,210	-	-	50,469	-	-
<b>Gambela Region</b>	83,897	23,446	-	-	60,452	-	-
Angnuwak	6,826	2,031	-	-	4,795	-	-
Nuware	59,798	15,851	-	-	43,948	-	-
Mezhenger	1,646	665	-	-	981	-	-
Itang Special	15,627	4,898	-	-	10,728	-	-
<b>Harari</b>	45,256	14,230	-	-	31,026	-	-
Hundene	45,256	14,230	-	-	31,026	-	-
<b>Dire Dawa</b>	181,181	49,637	-	-	131,544	-	-

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>	49,286,932	5,614,700	2,771,221	4,878,184	1,834,686	18,294,799	15,893,342
<b>Tigray</b>	4,308,595	434,837	295,208	465,162	234,683	1,666,593	1,212,112
North West Tigray	994,147	85,649	85,611	109,388	38,218	458,647	216,633
Central Tigray	1,117,881	121,365	72,790	126,659	47,134	409,502	340,430
Eastern Tigray	690,006	82,832	34,410	75,415	45,930	184,327	267,092
Southern Tigray	845,548	93,310	39,661	85,737	63,639	313,482	249,719
Western Tigray	661,014	51,681	62,737	67,964	39,762	300,634	138,237
<b>Afar</b>	67,319	6,961	3,584	7,568	7,084	27,007	15,115
Zone 1	*	*	-	-	*	*	-
Zone 3	66,874	6,813	3,584	7,568	7,010	26,784	15,115
<b>Amhara</b>	14,048,486	1,454,716	697,807	1,403,711	475,076	5,495,468	4,521,710
North Gonder	3,205,149	230,199	235,600	387,799	58,001	1,530,843	762,706
South Gonder	1,608,728	111,316	64,695	188,307	52,523	710,020	481,868
North Wolo	1,132,383	238,223	51,340	123,142	50,302	326,135	343,241
South Wolo	2,007,699	358,776	79,095	164,301	87,926	544,476	773,126
North Shewa	1,442,626	166,684	57,512	137,288	54,246	414,018	612,879
East Gojam	1,135,761	97,951	35,695	79,352	57,246	321,805	543,712
West Gojam	2,042,455	125,712	107,977	200,413	58,261	970,591	579,500
Waghamera	346,745	38,837	18,397	38,320	23,636	116,376	111,179
Awı	786,644	47,852	34,771	59,210	22,599	394,106	228,106
Oromia	304,642	33,022	10,923	21,812	8,734	152,048	78,103
Argoba Special	35,654	6,145	1,803	3,767	1,601	15,049	7,289
<b>Oromia</b>	18,762,281	2,317,365	1,035,228	1,689,820	712,261	6,616,582	6,391,025
West Wellega	1,238,111	149,364	91,976	135,850	39,159	485,303	336,460
East Wellega	1,017,752	116,425	50,956	83,826	26,470	465,860	274,214
Illubabor	1,083,856	141,309	40,580	74,291	36,702	458,953	332,020
Jimma	1,804,739	214,212	47,183	93,553	38,580	782,109	629,103
West Shewa	1,634,670	183,191	79,256	105,978	61,703	628,210	576,332
North Shewa	740,577	87,892	23,965	46,096	19,709	166,711	396,204
East Shewa	962,232	104,819	53,396	97,089	54,600	300,623	351,705
Arsi	1,877,288	225,644	124,407	196,745	117,626	572,485	640,382
West Harerghe	1,429,655	173,733	99,636	179,456	38,827	461,233	476,769
East Harerghe	1,719,198	238,146	91,026	190,806	62,401	435,718	701,100
Bale	671,317	103,354	49,285	73,323	32,773	167,865	244,716
Borena	619,783	86,658	52,781	66,126	23,964	204,305	185,950
South West Shewa	821,561	81,708	26,081	44,363	31,142	322,900	315,367
Guji	955,036	148,864	60,835	83,816	46,633	338,692	276,198
West Arsi	1,064,719	137,576	87,760	125,428	53,999	305,794	354,161
Kelem Wellega	629,650	68,648	33,912	54,486	16,670	285,971	169,963
Horoguduru Wellega	492,138	55,822	22,194	38,590	11,302	233,849	130,381

TABLE 3-17 – a CONT'D

Geographic Area	Total Poultry	Cocks	Cockerels	Pullets	Non-Laying Hens	Chicks	Laying Hens
<b>Somale</b>	106,114	16,357	11,396	9,521	7,451	24,067	37,323
Shinele	3,575	*	*	*	277	1,021	1,312
Jijiga	10,548	2,113	*	*	1,672	*	3,852
Liben	91,991	13,718	9,694	8,743	5,502	22,176	32,160
<b>Benshangul-Gumuz</b>	1,149,069	103,491	82,678	132,891	26,509	549,648	253,852
Metekel	493,442	38,713	32,672	58,883	7,354	245,626	110,194
Asosa	439,969	45,927	36,014	46,145	15,872	195,962	100,050
Kemeshi	136,060	12,010	9,767	18,658	2,161	65,931	27,533
Mao Komo	79,598	6,841	4,224	9,205	1,123	42,129	16,076
<b>SNNP</b>	10,407,807	1,223,503	608,503	1,108,252	359,446	3,771,402	3,336,701
Gurage	718,726	111,179	29,127	85,082	36,998	166,370	289,969
Hadiya	890,475	83,303	44,215	84,593	29,194	414,314	234,856
Kembata Tembaro	316,107	22,821	10,639	30,571	4,096	142,406	105,574
Sidama	1,588,941	154,435	80,024	195,043	45,000	548,233	566,207
Gedio	270,277	38,920	14,036	33,648	5,144	75,503	103,026
Wolayita	881,518	80,937	85,103	118,878	30,541	329,737	236,322
South Omo	611,606	84,612	51,315	70,843	30,975	220,829	153,032
Shaka	179,620	17,084	9,514	18,362	2,831	68,459	63,370
Kaffa	1,013,650	125,015	71,241	89,375	22,229	361,864	343,927
Gamo Gofa	1,050,744	134,611	59,307	101,182	37,298	366,891	351,456
Bench Maji	764,762	99,796	48,763	78,542	29,417	276,475	231,768
Yem Sp. Wereda	48,014	5,369	1,797	2,722	1,577	16,655	19,895
Amaro Sp. Wereda	126,637	17,456	8,839	11,904	3,635	50,201	34,602
Burji Sp. Wereda	29,354	3,834	2,977	4,447	244	10,026	7,826
Konso Sp. Wereda	174,881	32,317	9,064	18,084	11,558	51,381	52,476
Derashe Sp. Wereda	145,499	22,611	12,589	15,342	7,439	49,277	38,240
Dawro	326,047	41,912	16,243	33,558	16,694	118,573	99,068
Basketo Sp. Wereda	54,473	8,032	3,281	5,149	4,842	18,258	14,911
Konta Sp. Wereda	139,640	17,581	11,515	14,247	8,712	53,109	34,476
Silte	818,073	93,736	27,865	72,984	21,178	314,820	287,489
Alaba Sp. Wereda	258,763	27,943	11,049	23,696	9,843	118,019	68,212
<b>Gambela Region</b>	303,019	40,220	29,946	45,301	9,433	107,690	70,429
Angnuwak	87,034	11,918	7,531	14,258	2,485	32,670	18,171
Nuware	96,397	12,446	9,691	13,807	5,540	30,657	24,256
Mezhenger	51,502	6,011	2,512	5,924	*	20,419	16,316
Itang Special	68,087	9,845	10,213	11,313	1,089	23,943	11,685
<b>Harari</b>	53,277	7,985	3,320	6,198	1,655	14,883	19,237
Hundene	53,277	7,985	3,320	6,198	1,655	14,883	19,237
<b>Dire Dawa</b>	80,963	9,265	3,551	9,760	1,089	21,461	35,838

## b. Indigenous Breeds

Geographic Area	Total Poultry	Cocks	Cockerels	Pullets	Non-Laying Hens	Chicks	Laying Hens
<b>Ethiopia</b>	47,954,978	5,453,314	2,693,888	4,728,009	1,780,122	17,927,274	15,372,372
<b>Tigray</b>	3,998,453	402,487	278,190	429,773	215,674	1,569,584	1,102,744
North West Tigray	963,352	83,744	84,046	106,065	37,360	444,206	207,932
Central Tigray	993,856	104,642	65,752	112,404	41,251	375,877	293,931
Eastern Tigray	640,645	78,467	32,629	68,537	41,597	174,342	245,073
Southern Tigray	766,269	85,894	34,754	78,333	57,063	287,267	222,957
Western Tigray	634,331	49,740	61,009	64,435	38,403	287,891	132,852
<b>Afar</b>	66,282	6,822	3,584	7,568	7,084	26,312	14,913
Zone 1	*	*	-	-	*	*	-
Zone 3	65,837	6,673	3,584	7,568	7,010	26,089	14,913
<b>Amhara</b>	13,587,396	1,402,542	678,471	1,363,373	460,351	5,357,134	4,325,524
North Gonder	3,166,344	226,515	232,756	383,343	55,576	1,513,925	754,230
South Gonder	1,573,408	107,494	62,806	183,045	50,856	700,114	469,094
North Wolo	1,106,884	234,917	49,214	119,868	48,664	321,940	332,281
South Wolo	1,941,242	343,380	77,716	161,969	87,453	536,238	734,488
North Shewa	1,406,808	160,957	56,324	133,084	52,785	410,146	593,512
East Gojam	1,039,576	88,928	32,321	70,108	54,151	296,080	497,988
West Gojam	1,933,272	121,457	103,624	192,208	55,262	921,961	538,760
Waghamera	318,200	34,707	16,417	35,806	23,002	106,479	101,789
Awi	770,873	46,181	34,567	58,802	22,395	388,276	220,652
Oromia	295,269	31,914	10,923	21,374	8,607	146,925	75,526
Argoba Special	35,519	6,093	1,803	3,767	1,601	15,049	7,205
<b>Oromia</b>	18,347,473	2,269,147	1,006,182	1,638,447	696,516	6,511,090	6,226,091
West Wellega	1,231,908	149,037	91,451	134,520	39,159	483,376	334,364
East Wellega	1,011,200	116,211	50,956	83,649	26,470	465,860	268,053
Illubabor	1,047,107	137,147	38,402	70,755	35,146	445,740	319,916
Jimma	1,791,570	212,700	46,816	91,692	38,580	776,739	625,043
West Shewa	1,556,591	174,638	72,331	99,280	59,473	593,873	556,997
North Shewa	702,629	82,073	23,965	43,354	18,355	159,085	375,797
East Shewa	915,460	100,712	49,976	91,537	50,479	288,894	333,861
Arsi	1,811,604	217,861	119,915	189,570	113,780	557,522	612,956
West Harerghe	1,403,611	171,829	96,506	171,201	38,827	458,111	467,135
East Harerghe	1,690,604	236,438	88,562	185,869	61,971	430,290	687,474
Bale	645,425	98,196	45,850	68,664	31,310	166,134	235,271
Borena	619,783	86,658	52,781	66,126	23,964	204,305	185,950
South West Shewa	806,384	79,887	24,281	43,688	30,692	322,900	304,936
Guji	954,575	148,864	60,835	83,816	46,633	338,692	275,736
West Arsi	1,042,655	133,266	87,449	121,649	53,999	301,941	344,350
Kelem Wellega	627,386	68,220	33,912	54,486	16,670	284,936	169,163
Horoguduru Wellega	488,982	55,410	22,194	38,590	11,008	232,691	129,090

TABLE 3-17 – b CONT'D

Geographic Area	Total Poultry	Cocks	Cockerels	Pullets	Non-Laying Hens	Chicks	Laying Hens
<b>Somale</b>	105,969	16,357	11,396	9,521	7,378	24,067	37,251
Shinele	3,575	*	*	*	277	1,021	1,312
Jijiga	10,403	2,113	*	*	1,600	*	3,779
Liben	91,991	13,718	9,694	8,743	5,502	22,176	32,160
<b>Benshangul-Gumuz</b>	1,144,145	102,684	82,526	132,614	26,318	547,747	252,256
Metekel	489,513	38,324	32,587	58,706	7,162	243,725	109,007
Asosa	439,208	45,542	36,014	46,145	15,872	195,962	99,674
Kemeshi	135,826	11,976	9,701	18,558	2,161	65,931	27,499
Mao Komo	79,598	6,841	4,224	9,205	1,123	42,129	16,076
<b>SNNP</b>	10,276,076	1,196,571	597,115	1,088,378	354,784	3,747,789	3,291,440
Gurage	695,893	104,834	28,557	80,737	36,759	165,892	279,113
Hadiya	881,505	81,369	43,746	83,605	29,194	411,284	232,307
Kembata Tembaro	311,314	22,583	9,735	29,302	4,096	142,406	103,190
Sidama	1,563,986	150,638	77,729	189,974	45,000	544,279	556,366
Gedio	265,073	36,980	13,593	32,985	3,667	75,503	102,345
Wolayita	872,312	79,433	85,103	118,630	30,046	323,956	235,143
South Omo	606,745	83,948	50,100	70,189	30,201	219,814	152,492
Shaka	177,668	16,730	9,393	18,180	2,831	68,122	62,412
Kaffa	997,070	121,476	70,181	86,919	22,229	358,134	338,130
Gamo Gofa	1,043,530	133,256	57,599	99,747	37,298	365,532	350,097
Bench Maji	760,798	99,554	48,102	78,542	28,102	276,352	230,146
Yem Sp. Wereda	47,081	5,118	1,736	2,663	1,455	16,530	19,581
Amaro Sp. Wereda	126,157	17,456	8,778	11,843	3,635	50,201	34,243
Burji Sp. Wereda	28,377	3,767	2,636	4,010	244	10,026	7,694
Konso Sp. Wereda	171,989	31,379	8,975	17,924	11,473	51,113	51,124
Derashe Sp. Wereda	143,269	22,119	12,323	15,073	7,363	48,914	37,477
Dawro	322,294	40,733	16,157	33,468	16,694	117,525	97,718
Basketo Sp. Wereda	54,020	7,901	3,195	5,124	4,814	18,258	14,727
Konta Sp. Wereda	138,636	17,341	11,235	14,150	8,661	53,109	34,141
Silte	813,413	92,824	27,639	72,524	21,178	313,375	285,873
Alaba Sp. Wereda	254,944	27,131	10,601	22,787	9,843	117,461	67,120
<b>Gambela Region</b>	302,798	40,174	29,946	45,301	9,359	107,690	70,328
Angnuwak	86,917	11,897	7,531	14,258	2,410	32,670	18,150
Nuware	96,397	12,446	9,691	13,807	5,540	30,657	24,256
Mezhenger	51,397	5,986	2,512	5,924	*	20,419	16,237
Itang Special	68,087	9,845	10,213	11,313	1,089	23,943	11,685
<b>Harari</b>	52,328	7,752	3,228	6,079	1,628	14,821	18,821
Hundene	52,328	7,752	3,228	6,079	1,628	14,821	18,821
<b>Dire Dawa</b>	74,058	8,779	3,251	6,954	1,031	21,041	33,003

### c. Hybrid

Geographic Area	Total Poultry	Cocks	Cockerels	Pullets	Non-Laying Hens	Chicks	Laying Hens
<b>Ethiopia</b>	1,143,922	122,810	68,936	126,119	43,208	351,966	430,883
<b>Tigray</b>	281,971	28,573	16,369	33,861	16,508	94,281	92,378
North West Tigray	29,932	1,905	1,565	3,323	-	14,442	7,838
Central Tigray	112,694	14,631	6,584	14,028	5,460	33,625	38,367
Eastern Tigray	43,772	3,967	1,586	6,295	*	9,985	18,773
Southern Tigray	70,708	7,155	4,907	6,687	5,665	24,166	22,128
Western Tigray	*	*	1,727	-	-	*	5,272
<b>Afar</b>	-	-	-	-	-	-	-
Zone 1	-	-	-	-	-	-	-
Zone 3	-	-	-	-	-	-	-
<b>Amhara</b>	389,892	34,073	16,951	33,880	12,663	133,828	158,498
North Gonder	*	*	-	*	*	-	6,432
South Gonder	31,181	3,414	-	5,262	-	*	10,293
North Wolo	14,529	1,919	-	*	*	*	5,305
South Wolo	43,171	-	*	*	*	-	26,945
North Shewa	32,110	3,954	-	*	1,167	-	18,031
East Gojam	80,900	7,115	*	*	*	25,725	38,049
West Gojam	105,479	3,880	-	8,206	-	48,630	37,411
Waghamera	25,909	*	1,858	2,303	-	-	7,889
Awi	14,190	1,174	-	-	-	-	6,369
Oromia	*	887	-	*	-	-	1,714
Argoba Special	-	*	-	-	-	-	*
<b>Oromia</b>	376,391	43,905	29,046	45,507	13,402	99,402	145,129
West Wellega	-	-	-	-	-	-	2,095
East Wellega	*	-	-	-	-	-	*
Illubabor	33,207	3,371	-	-	-	12,733	9,833
Jimma	69,030	7,744	-	-	*	28,729	17,308
West Shewa	33,481	5,579	-	*	*	-	18,237
North Shewa	41,886	3,678	-	3,460	*	11,729	16,334
East Shewa	63,531	7,475	-	*	-	14,963	25,884
Arsi	*	*	-	*	-	-	9,634
West Harerghe	26,385	*	-	-	-	-	*
East Harerghe	*	*	-	-	-	-	9,070
Bale	10,622	-	-	-	-	-	5,876
Borena	18,605	*	-	*	-	-	8,110
South West Shewa	*	*	-	-	-	-	801
Guji	3,156	412	-	-	-	-	1,291
West Arsi	389,892	34,073	16,951	33,880	12,663	133,828	158,498
Kelem Wellega	*	*	-	*	*	-	6,432
Horoguduru Wellega	31,181	3,414	-	5,262	-	*	10,293

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>	3,867	524	-	-	-	1,901	*
Metekel	3,064	*	-	-	-	1,901	*
Asosa	*	*	-	-	-	-	*
Kemeshi	-	-	-	-	-	-	-
Mao Komo	-	-	-	-	-	-	-
<b>SNNP</b>	86,759	15,052	6,153	11,557	-	21,663	32,122
Gurage	-	*	*	*	*	*	*
Hadiya	*	*	*	*	-	-	2,090
Kembata Tembaro	2,471	-	*	-	-	-	1,760
Sidama	21,104	*	*	-	-	-	8,193
Gedio	2,020	*	-	-	*	-	*
Wolayita	*	1,009	-	*	*	-	1,179
South Omo	3,433	*	991	*	*	-	*
Shaka	-	*	*	*	-	-	-
Kaffa	7,713	*	*	*	-	*	3,179
Gamo Gofa	*	*	*	*	-	-	-
Bench Maji	*	*	*	-	*	-	*
Yem Sp. Wereda	*	*	*	*	*	-	*
Amaro Sp. Wereda	792	*	258	353	-	-	-
Burji Sp. Wereda	1,644	617	*	*	-	*	*
Konso Sp. Wereda	1,816	*	-	*	-	-	608
Derashe Sp. Wereda	3,752	1,179	-	-	-	-	1,350
Dawro	-	-	-	-	*	-	-
Basketo Sp. Wereda	867	*	*	-	-	-	336
Konta Sp. Wereda	*	*	*	*	-	-	-
Silte	1,779	*	*	*	-	*	*
Alaba Sp. Wereda	-	-	-	-	-	-	-
	*	*	-	-	-	-	345
<b>Gambela Region</b>	*	*	-	-	-	-	345
Angnuwak	86,759	15,052	6,153	11,557	-	21,663	32,122
Nuware	-	*	*	*	*	*	*
Mezhenger	*	*	*	*	-	-	2,090
Itang Special	2,471	-	*	-	-	-	1,760
	21,104	*	*	-	-	-	8,193
<b>Harari</b>	2,020	*	-	-	*	-	*
Hundene	*	1,009	-	*	*	-	1,179
<b>Dire Dawa</b>	2,829	335	*	-	-	*	1,213

#### d. Exotic Breeds

Geographic Area	Total Poultry	Cocks	Cockerels	Pullets	Non-Laying Hens	Chicks	Laying Hens
<b>Ethiopia</b>	188,032	38,576	8,397	24,056	11,355	15,560	90,087
<b>Tigray</b>	28,172	3,777	-	1,527	-	-	16,989
North West Tigray	-	-	-	-	*	-	-
Central Tigray	11,330	2,092	-	-	-	-	8,132
Eastern Tigray	5,589	-	-	-	*	-	-
Southern Tigray	8,572	-	-	-	-	-	4,634
Western Tigray	*	*	-	*	*	*	-
<b>Afar</b>	*	*	-	-	-	*	*
Zone 1	-	-	-	-	-	-	-
Zone 3	*	*	-	-	-	*	*
<b>Amhara</b>	71,198	18,101	-	6,458	2,062	-	37,688
North Gonder	*	*	*	*	*	*	-
South Gonder	4,139	-	*	-	*	*	2,482
North Wolo	10,970	1,387	*	*	*	*	5,656
South Wolo	23,286	9,821	*	*	-	*	11,693
North Shewa	3,707	1,773	*	*	-	*	1,336
East Gojam	15,285	-	*	*	*	-	7,675
West Gojam	-	-	*	-	*	-	-
Waghamera	-	*	-	-	*	*	-
Awi	1,581	-	*	*	*	*	-
Oromia	*	-	-	*	*	*	-
Argoba Special	76	-	-	-	-	-	*
<b>Oromia</b>	38,416	4,313	-	5,866	2,343	-	19,805
West Wellega	*	*	*	*	-	*	-
East Wellega	*	*	-	*	-	-	*
Illubabor	-	-	*	*	*	-	-
Jimma	*	*	*	*	-	*	*
West Shewa	-	-	*	*	*	-	2,027
North Shewa	-	-	-	*	*	*	-
East Shewa	4,886	-	*	-	*	-	-
Arsi	-	-	*	*	*	-	-
West Harerghe	*	*	*	*	-	*	-
East Harerghe	-	*	*	*	*	*	*
Bale	*	*	*	*	*	*	-
Borena	-	-	-	-	-	-	-
South West Shewa	-	*	*	*	*	-	-
Guji	*	-	-	-	-	-	*
West Arsi	-	*	*	*	-	*	-
Kelem Wellega	*	*	-	-	-	*	-
Horoguduru Wellega	-	-	-	-	*	*	-

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	*	*	*	*	-	-	*
Mao Komo	-	-	-	-	-	-	-
<b>SNNP</b>	44,972	11,880	5,236	8,317	4,450	-	13,139
Gurage	8,484	*	-	*	-	-	*
Hadiya	*	*	*	*	-	*	-
Kembata Tembaro	2,323	*	-	796	-	-	-
Sidama	-	*	*	*	-	*	-
Gedio	-	*	*	*	-	-	*
Wolayita	*	-	-	-	-	*	-
South Omo	-	*	-	*	-	*	*
Shaka	716	*	-	-	-	*	240
Kaffa	8,867	*	*	*	-	*	2,618
Gamo Gofa	*	*	*	*	-	*	1,085
Bench Maji	*	*	*	-	-	*	*
Yem Sp. Wereda	*	*	*	*	-	*	*
Amaro Sp. Wereda	*	-	*	*	-	-	*
Burji Sp. Wereda	-	*	-	-	-	-	*
Konso Sp. Wereda	1,248	-	-	-	*	*	*
Derashe Sp. Wereda	-	*	*	*	*	*	-
Dawro	-	-	*	*	-	*	-
Basketo Sp. Wereda	314	131	*	*	-	-	156
Konta Sp. Wereda	-	*	*	*	*	-	-
Silte	*	*	-	-	-	*	934
Alaba Sp. Wereda	-	*	*	*	-	*	*
<b>Gambela Region</b>	*	*	-	-	*	-	*
Angnuwak	*	*	-	-	*	-	*
Nuware	-	-	-	-	-	-	-
Mezhenger	*	*	-	-	*	-	*
Itang Special	-	-	-	-	-	-	-
<b>Harari</b>	*	*	*	*	*	*	-
Hundene	*	*	*	*	*	*	-
<b>Dire Dawa</b>	4,076	-	*	1,889	*	*	1,622

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>	5,130,322	53,675,361	4,944,380	1.55	51,023,303	41,684	1.65	387,450	144,258	1.52	2,264,608
<b>Tigray</b>	213,133	2,767,634	166,504	1.46	1,706,607	3,081	1.38	*	43,548	1.47	993,263
North West Tigray	26,061	426,202	20,285	1.95	267,558	-	-	-	5,777	1.51	*
Central Tigray	73,617	1,055,228	57,249	1.2	544,359	*	*	*	15,913	1.39	*
Eastern Tigray	51,502	527,824	37,046	1.5	316,673	*	*	*	12,706	1.52	188,595
Southern Tigray	52,699	660,228	43,972	1.58	515,741	*	*	*	8,201	1.44	*
Western Tigray	9,254	98,153	7,953	1.44	62,276	*	*	*	*	*	*
<b>Afar</b>	*	*	*	1.61	*	-	-	-	-	-	-
Zone 1	-	-	-	-	-	-	-	-	-	-	-
Zone 3	*	*	*	1.61	*	-	-	-	-	-	-
<b>Amhara</b>	911,986	8,580,101	849,453	1.48	7,669,948	14,779	1.81	127,546	47,754	1.38	782,607
North Gonder	117,644	1,062,594	114,446	1.57	1,021,715	751	2	30,039	2,448	1	10,840
South Gonder	132,192	671,051	128,448	1.63	648,508	*	*	*	*	*	*
North Wolo	58,612	307,637	53,965	1.3	289,924	*	*	*	3,955	1.42	*
South Wolo	134,777	*	131,817	1.47	*	*	*	*	1,698	1.39	*
North Shewa	52,136	308,083	48,586	1.51	276,259	*	*	*	2,620	*	*
East Gojam	124,881	1,535,136	112,127	1.48	1,168,211	*	*	*	12,392	1.6	365,841
West Gojam	153,192	1,246,558	139,514	1.4	1,155,300	*	*	*	8,304	1.49	70,290
Waghamera	47,970	512,057	35,385	1.25	327,617	*	*	*	9,931	1.2	134,458
Awi	74,721	761,808	70,582	1.45	664,345	-	-	-	4,139	*	*
Oromia	12,980	140,235	11,822	1.4	113,511	*	*	*	950	1.25	*
Argoba Special	2,881	27,413	2,760	1.55	25,023	*	*	*	98	1.43	*
<b>Oromia</b>	2,761,204	23,226,115	2,703,150	1.51	22,746,168	17,720	1.47	*	40,334	1.65	343,787
West Wellega	326,551	1,631,582	320,263	1.32	1,624,185	*	*	7,397	*	-	-
East Wellega	185,601	513,476	185,302	1.15	513,476	*	-	-	-	-	-
Illubabor	480,655	2,868,554	473,122	1.24	2,762,558	*	*	*	5,350	1.24	*
Jimma	479,703	2,452,765	457,908	1.45	2,258,213	*	*	*	20,682	*	*
West Shewa	160,729	1,646,405	159,528	1.52	1,632,763	*	*	*	*	*	*
North Shewa	41,101	231,523	40,607	1.5	213,874	259	1	519	*	*	*
East Shewa	13,764	76,886	12,119	1.68	56,795	-	-	-	*	*	*
Arsi	130,073	*	126,175	1.6	*	*	*	*	-	-	-
West Harerghe	82,587	603,428	81,164	1.93	581,232	*	*	*	*	*	*
East Harerghe	63,440	521,699	63,440	1.76	521,699	-	-	-	-	-	-
Bale	207,745	2,804,902	203,635	1.65	2,736,333	*	*	*	-	*	-
Borena	50,922	319,671	50,922	1.37	319,671	-	-	-	-	-	-
South West Shewa	62,506	327,550	55,719	1.69	322,122	*	*	-	6,555	*	*
Guji	218,765	1,304,837	218,511	1.41	1,304,330	*	*	*	-	-	-
West Arsi	70,532	432,010	68,599	1.63	417,636	*	*	*	*	*	*
Kelem Wellega	75,875	419,380	75,875	1.27	419,380	-	-	-	-	-	-
Horoguduru Wellega	110,657	374,125	110,262	1.12	368,924	*	*	*	*	*	*

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>	620	4,232	450	1.81	4,195	*	*	*	*		
Shinele	*	*	*	*	*	*	*	*	-	-	-
Jijiga	290	2,031	*	2	2,031	-	-	-	*	-	-
Liben	*	*	*	*	*	-	-	-	-	-	-
<b>Benshangul-Gumuz</b>	259,005	1,342,089	257,750	1.23	1,316,646	*	*	*	*	*	*
Metekel	118,770	*	118,770	1.25	*	-	-	-	-	-	-
Asosa	73,495	321,515	72,380	1.11	296,720	*	*	*	*	*	*
Kemeshi	23,133	42,052	23,052	1.13	41,850	-	-	-	*	*	*
Mao Komo	43,607	269,367	43,547	1.43	268,920	*	*	*	*	*	*
<b>SNNP</b>	922,420	15,823,475	906,108	1.83	15,666,645	5,725	1.75	50,377	10,588	2.12	106,453
Gurage	44,324	242,410	40,010	2.37	222,666	1,230	*	*	3,084	*	*
Hadiya	42,851	689,053	38,985	2.09	*	-	*	*	*	*	*
Kembata Tembaro	19,551	140,570	17,960	1.94	126,703	-	-	-	*	*	*
Sidama	58,820	367,942	56,508	1.79	347,939	*	*	*	*	*	*
Gedio	28,934	129,730	28,934	1.24	129,730	-	-	-	-	-	-
Wolayita	*	*	*	3.12	*	-	-	-	*	*	*
South Omo	74,387	668,342	74,387	1.87	668,342	-	-	-	-	-	-
Shaka	75,467	558,464	75,111	1.1	555,072	296	1	*	*	*	*
Kaffa	232,372	*	*	1.11	*	724	1	*	*	*	*
Gamo Gofa	60,996	312,818	59,392	1.74	297,846	*	*	*	-	-	-
Bench Maji	93,730	1,964,271	93,730	2.19	1,964,271	-	-	-	-	-	-
Yem Sp. Wereda	12,479	130,479	12,385	1.52	129,671	*	*	*	-	-	-
Amaro Sp. Wereda	15,207	88,165	15,082	1.19	88,165	-	-	-	*	-	-
Burji Sp. Wereda	1,074	4,823	1,058	1.7	4,603	-	-	-	*	*	*
Konso Sp. Wereda	*	*	*	1.78	*	-	-	-	-	-	-
Derashe Sp. Wereda	4,966	19,881	4,966	1.64	19,881	-	-	-	-	-	-
Dawro	29,428	433,512	29,428	1.69	433,512	-	-	-	-	-	-
Basketo Sp. Wereda	3,787	23,205	3,787	1.75	22,766	-	-	-	-	*	*
Konta Sp. Wereda	5,695	*	5,695	2.07	*	-	-	-	-	-	-
Silte	33,137	334,887	33,137	1.84	334,887	-	-	-	-	-	-
Alaba Sp. Wereda	15,241	*	14,877	1.83	*	-	-	-	*	*	*
<b>Gambella Region</b>	59,327	1,909,271	58,490	2.32	1,892,005	*	*	*	*	*	*
Agnuwak	14,065	311,030	13,923	2.38	310,510	-	*	*	142	-	-
Nuware	-	-	-	-	-	-	-	-	-	-	-
Mezhenger	59,327	1,909,271	58,490	2.32	1,892,005	*	*	*	*	*	*
Itang Special	-	-	-	-	-	-	-	-	-	-	-
<b>Harari</b>	1,043	14,561	953	1.63	*	-	*	*	*	*	*
Hundene	1,043	14,561	953	1.63	*	-	*	*	*	*	*
<b>Dire Dawa</b>	897	3,026	835	1.58	2,919	-	-	-	*	*	*

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>	10,335,933	4,899,760	5,436,173	4,122,610	2,404,731	1,717,879	668,572	255,776	412,797
<b>Tigray</b>	684,136	313,807	370,329	194,301	131,189	63,113	24,767	12,886	11,881
North West Tigray	182,286	85,044	97,242	27,401	16,133	11,269	10,312	5,155	5,157
Central Tigray	108,031	52,049	55,982	50,335	38,632	11,703	3,979	2,285	*
Eastern Tigray	66,451	31,265	35,186	34,300	22,110	12,190	2,193	1,221	972
Southern Tigray	135,484	61,765	73,719	51,559	37,890	13,669	5,363	2,553	2,810
Western Tigray	191,883	83,684	108,199	30,706	16,424	14,282	2,920	1,672	1,248
<b>Afar</b>	209,466	76,825	132,642	21,666	8,496	13,170	*	*	*
Zone 1	129,906	48,145	81,762	9,996	3,533	6,462	*	*	*
Zone 3	79,560	28,680	50,880	11,671	4,963	6,708	*	*	*
<b>Amhara</b>	2,042,847	997,164	1,045,682	955,865	650,601	305,265	59,336	21,842	37,494
North Gonder	484,136	228,993	255,143	108,357	63,926	44,431	5,070	1,558	*
South Gonder	282,861	136,247	146,614	93,204	59,899	33,305	*	*	*
North Wolo	159,366	72,536	86,829	82,387	55,378	27,008	8,259	1,922	6,337
South Wolo	281,434	137,207	144,227	177,363	119,749	57,614	8,695	3,347	5,348
North Shewa	164,026	82,815	81,211	147,857	115,311	32,547	11,677	4,509	7,168
East Gojam	207,560	105,878	101,682	128,693	90,244	38,448	8,936	3,485	5,451
West Gojam	214,004	112,650	101,354	136,324	100,703	35,621	4,702	*	*
Waghamera	64,718	28,422	36,297	16,287	9,490	6,798	3,223	1,455	1,768
Awi	118,729	59,611	59,119	42,243	21,149	21,094	*	*	*
Oromia	60,695	30,518	30,177	21,263	13,477	7,785	530	*	*
Argoba Special	5,317	2,286	3,031	1,889	1,275	614	125	61	64
<b>Oromia</b>	4,504,925	2,124,395	2,380,529	1,823,759	1,121,914	701,846	292,607	123,454	169,153
West Wellega	184,304	91,835	92,469	77,706	44,839	32,866	7,828	*	4,646
East Wellega	221,190	105,304	115,887	69,866	36,112	33,754	4,959	*	2,976
Illubabor	208,216	101,592	106,624	100,927	63,888	37,040	16,738	7,982	8,756
Jimma	442,322	211,061	231,261	146,509	94,501	52,008	68,412	26,826	41,586
West Shewa	382,414	185,439	196,975	202,429	123,928	78,501	27,052	10,510	16,542
North Shewa	235,685	112,398	123,287	114,971	75,751	39,220	15,725	10,470	5,256
East Shewa	156,214	75,745	80,469	54,334	40,128	14,206	5,627	3,218	2,409
Arsi	440,921	210,256	230,665	287,585	206,238	81,347	12,948	6,792	6,157
West Harerghe	245,518	110,006	135,512	111,869	70,905	40,964	25,151	10,595	14,556
East Harerghe	338,052	161,096	176,956	129,547	62,786	66,762	47,120	17,102	30,018
Bale	287,075	136,479	150,596	104,159	72,732	31,427	12,689	3,375	9,314
Borena	279,993	127,278	152,715	53,927	28,720	25,207	17,214	5,967	11,247
South West Shewa	149,023	72,796	76,227	81,018	52,016	29,003	9,726	5,190	4,536
Guji	348,269	147,364	200,905	72,692	35,175	37,517	5,435	2,781	2,654
West Arsi	392,923	182,098	210,825	123,399	57,708	65,691	9,908	5,064	4,844
Kelem Wellega	74,665	37,393	37,272	59,939	38,582	21,357	2,210	972	*
Horoguduru Wellega	118,140	56,256	61,884	32,882	17,905	14,977	3,863	1,446	2,417

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>	150,288	65,367	84,922	5,411	2,729	2,682	1,636	559	1,077
Shinele	2,540	1,224	1,316	142	*	101	*	*	*
Jijiga	63,607	30,530	33,077	3,083	2,059	1,025	1,360	508	852
Liben	84,142	33,613	50,529	2,185	629	1,556	*	-	*
<b>Benshangul-Gumuz</b>	106,285	56,161	50,125	54,921	31,274	23,647	1,994	*	1,469
Metekel	74,851	39,115	35,735	16,777	8,347	8,430	1,219	*	878
Asosa	19,183	10,957	8,226	29,561	18,358	11,203	*	*	*
Kemeshi	6,122	3,079	3,043	5,114	2,915	2,199	*	*	*
Mao Komo	6,130	3,009	3,120	3,469	1,654	1,815	*	*	-
<b>SNNP</b>	2,532,802	1,222,159	1,310,643	1,045,043	449,311	595,731	265,847	90,940	174,907
Gurage	266,714	117,406	149,308	110,185	44,478	65,707	30,977	7,748	23,229
Hadiya	170,613	83,879	86,734	68,813	39,611	29,203	28,169	12,127	16,042
Kembata Tembaro	68,791	33,180	35,611	40,803	21,081	19,722	11,901	5,113	6,788
Sidama	568,339	280,242	288,096	194,980	22,442	172,538	16,218	*	15,154
Gedio	32,161	14,991	17,171	66,598	47,170	19,429	*	*	*
Wolayita	176,157	88,242	87,915	146,024	76,273	69,751	12,314	5,297	7,017
South Omo	189,118	87,298	101,820	15,336	8,687	6,649	16,476	5,105	11,371
Shaka	37,028	19,430	17,598	14,326	6,648	7,678	4,775	1,603	3,172
Kaffa	215,423	105,534	109,889	68,545	32,797	35,748	20,482	8,556	11,925
Gamo Gofa	324,835	161,562	163,273	128,067	51,290	76,777	54,494	16,087	38,407
Bench Maji	110,506	54,280	56,227	57,219	27,821	29,398	33,071	10,553	22,518
Yem Sp. Wereda	10,177	4,919	5,258	5,897	3,830	2,066	1,661	928	734
Amaro Sp. Wereda	23,137	11,089	12,048	9,062	4,946	4,116	1,248	*	705
Burji Sp. Wereda	5,813	2,780	3,033	2,131	1,766	366	62	*	*
Konso Sp. Wereda	21,547	9,935	11,611	6,042	3,782	2,261	2,301	966	1,335
Derashe Sp. Wereda	9,743	4,360	5,382	6,060	4,625	1,436	*	*	*
Dawro	88,766	44,124	44,642	29,797	13,553	16,244	4,784	2,252	2,533
Basketo Sp. Wereda	8,128	3,866	4,262	5,698	3,009	2,690	1,596	519	1,076
Konta Sp. Wereda	23,815	12,034	11,781	9,406	4,795	4,611	1,413	657	756
Silte	142,579	67,717	74,862	44,453	22,225	22,228	12,921	5,115	7,807
Alaba Sp. Wereda	39,412	15,292	24,120	15,601	8,484	7,117	4,914	2,349	2,565
<b>Gambela Region</b>	84,678	34,361	50,317	17,763	7,062	10,701	13,870	3,284	10,586
Angnuwak	2,379	1,179	1,201	*	*	*	*	*	*
Nuware	69,718	27,766	41,952	8,089	2,257	5,832	13,110	3,062	10,049
Mezhenger	6,775	3,317	3,459	5,413	1,217	4,196	665	172	494
Itang Special	5,805	2,100	3,705	218	*	174	*	-	*
<b>Harari</b>	12,543	5,917	6,626	2,080	1,170	910	787	255	532
Hundene	12,543	5,917	6,626	2,080	1,170	910	787	255	532
<b>Dire Dawa</b>	7,963	3,605	4,358	1,800	986	814	808	395	413

## 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>	11,187,626	5,288,969	5,898,658	3,879,481	1,970,167	1,909,314	369,278	78,723	290,555
<b>Tigray</b>	517,872	233,929	283,943	153,066	77,297	75,769	6,901	3,777	3,124
North West Tigray	26,216	11,855	14,360	6,933	*	4,142	*	*	*
Central Tigray	139,730	64,862	74,867	30,810	7,498	23,312	-	-	-
Eastern Tigray	188,526	89,217	99,309	38,829	16,474	22,355	3,718	2,139	1,579
Southern Tigray	116,619	48,907	67,713	70,979	48,586	22,392	*	*	*
Western Tigray	46,781	19,088	27,693	5,515	*	*	*	-	*
<b>Afar</b>	293,802	116,535	177,267	29,970	16,243	13,727	*	*	*
Zone 1	195,101	76,263	118,838	15,506	7,943	7,564	*	*	*
Zone 3	98,700	40,272	58,429	14,463	8,300	6,164	*	*	*
<b>Amhara</b>	4,325,390	2,106,928	2,218,462	1,853,864	1,140,669	713,194	117,206	33,791	83,415
North Gonder	465,990	214,422	251,568	97,933	65,590	32,343	*	*	-
South Gonder	514,886	242,290	272,595	144,021	72,513	71,508	3,640	*	2,442
North Wolo	342,755	155,011	187,744	115,913	57,873	58,040	22,791	6,070	16,722
South Wolo	832,022	395,910	436,113	263,409	159,337	104,072	*	*	*
North Shewa	658,599	326,032	332,567	176,188	*	56,626	*	*	*
East Gojam	719,517	370,881	348,636	487,360	290,809	196,551	7,295	*	*
West Gojam	472,454	246,063	226,391	351,538	249,376	102,163	9,880	*	*
Waghamera	62,759	28,743	34,017	11,728	4,009	7,719	*	*	*
Awii	219,226	107,776	111,449	188,447	110,860	77,587	7,597	1,734	*
Oromia	36,493	19,365	17,128	16,563	10,264	6,300	*	*	*
Argoba Special	690	436	255	762	477	285	-	-	-
<b>Oromia</b>	3,970,103	1,863,224	2,106,879	1,170,567	512,197	658,370	120,457	21,234	99,223
West Wellega	132,645	63,113	69,532	39,990	9,467	30,522	2,927	*	2,740
East Wellega	132,668	63,031	69,637	30,690	13,829	16,861	1,871	-	1,871
Illubabor	178,665	82,434	96,231	56,159	16,301	39,858	9,572	*	8,675
Jimma	344,575	161,582	182,993	106,296	47,060	59,236	22,167	*	21,411
West Shewa	531,266	253,591	277,675	131,582	61,399	70,183	10,571	*	8,721
North Shewa	446,922	213,012	233,910	284,781	183,753	101,028	23,332	7,391	15,941
East Shewa	138,725	71,717	67,008	34,874	11,618	23,256	*	*	*
Arsi	606,869	285,882	320,987	88,661	31,923	56,738	9,594	1,549	8,045
West Harerghe	81,437	38,119	43,318	24,178	6,897	17,281	4,622	*	3,982
East Harerghe	190,380	81,626	108,754	60,089	23,567	36,522	15,879	*	13,379
Bale	145,467	66,863	78,603	24,198	6,237	17,961	*	*	*
Borena	96,578	46,343	50,235	20,136	2,922	17,214	3,131	*	*
South West Shewa	132,329	59,807	72,523	66,222	47,674	18,548	4,833	*	3,711
Guji	191,632	81,797	109,835	42,013	9,320	32,693	*	*	*
West Arsi	413,566	198,879	214,688	102,573	19,856	82,717	5,354	*	4,456
Kelem Wellega	101,695	46,476	55,219	35,162	8,838	26,324	*	-	*
Horoguduru Wellega	104,685	48,953	55,732	22,962	11,535	11,427	*	*	*

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>	330,876	146,054	184,822	6,928	2,600	4,328	1,912	689	1,223
Shinele	34,093	16,492	17,601	623	203	419	466	*	447
Jijiga	190,195	87,302	102,893	*	*	*	*	*	*
Liben	106,587	42,260	64,327	4,038	1,229	2,809	719	*	558
<b>Benshangul-Gumuz</b>	56,130	25,030	31,100	19,813	8,951	10,861	*	*	*
Metekel	31,772	14,284	17,489	10,314	5,835	4,479	-	-	-
Asosa	10,519	4,296	6,224	5,094	*	3,615	-	-	-
Kemeshi	7,388	3,807	3,582	2,801	*	1,449	-	-	-
Mao Komo	6,450	2,644	3,806	1,602	284	1,318	*	*	*
<b>SNNP</b>	1,652,623	777,781	874,842	632,210	204,931	427,280	113,243	15,426	97,817
Gurage	153,391	67,076	86,315	59,058	20,802	38,256	3,479	*	2,744
Hadiya	93,230	45,916	47,314	36,998	13,639	23,359	14,893	1,881	13,012
Kembata Tembaro	36,299	17,930	18,368	32,561	14,675	17,886	6,882	1,858	5,025
Sidama	137,298	64,806	72,492	75,548	7,421	68,127	*	*	*
Gedio	90,627	48,765	41,862	57,143	15,330	41,813	2,492	*	*
Wolayita	67,020	31,509	35,511	58,840	18,619	40,222	8,519	943	7,576
South Omo	166,155	70,853	95,302	12,450	3,550	8,900	11,093	1,864	9,229
Shaka	29,128	14,027	15,101	19,075	12,124	6,951	4,029	*	3,351
Kaffa	217,464	111,406	106,058	52,528	24,937	27,592	21,827	*	21,256
Gamo Gofa	251,532	106,713	144,819	100,192	33,482	66,710	*	*	*
Bench Maji	88,007	43,848	44,159	35,121	10,328	24,793	12,534	1,271	11,263
Yem Sp. Wereda	12,844	6,226	6,618	1,970	*	1,692	631	*	453
Amaro Sp. Wereda	13,667	4,878	8,789	7,485	2,534	4,951	*	*	*
Burji Sp. Wereda	640	410	231	165	84	*	-	-	-
Konso Sp. Wereda	23,340	10,916	12,424	6,796	2,210	4,586	3,360	748	2,612
Derashe Sp. Wereda	10,677	6,154	4,523	2,965	705	2,260	508	*	456
Dawro	46,866	25,340	21,526	25,102	9,328	15,774	1,239	*	978
Basketo Sp. Wereda	6,873	2,804	4,069	3,771	653	3,118	692	*	637
Konta Sp. Wereda	9,865	5,170	4,695	4,973	2,843	2,130	*	*	*
Silte	163,983	77,565	86,418	29,500	8,674	20,826	7,867	*	7,162
Alaba Sp. Wereda	33,716	15,469	18,248	9,968	2,714	7,253	2,243	*	2,055
<b>Gambela Region</b>	14,961	6,294	8,667	10,969	6,139	4,831	749	*	530
Angnuwak	*	*	*	*	*	*	*	*	*
Nuware	8,672	3,237	5,434	1,278	*	953	-	-	-
Mezhenger	4,667	2,446	2,221	7,944	4,614	3,330	410	*	342
Itang Special	*	519	*	*	*	*	-	-	-
<b>Harari</b>	1,951	1,192	759	500	389	111	*	*	*
Hundene	1,951	1,192	759	500	389	111	*	*	*
<b>Dire Dawa</b>	23,919	12,001	11,918	1,594	751	842	1,025	*	868

### 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>	9,454,904	4,327,299	5,127,605	1,884,645	693,568	1,191,076	255,133	50,171	204,962
<b>Tigray</b>	1,134,472	481,677	652,794	179,302	64,493	114,809	10,774	2,335	8,439
North West Tigray	314,018	127,126	186,892	48,605	14,067	34,539	*	1,353	*
Central Tigray	368,168	164,193	203,974	53,894	16,977	36,916	*	*	*
Eastern Tigray	71,961	33,517	38,444	12,291	*	5,056	*	*	-
Southern Tigray	181,781	78,695	103,085	35,468	14,757	20,711	*	*	*
Western Tigray	198,544	78,145	120,399	29,044	11,457	17,587	*	*	*
<b>Afar</b>	532,752	201,010	331,742	41,907	16,831	25,076	*	*	*
Zone 1	314,913	119,062	195,851	17,565	6,191	11,374	*	*	*
Zone 3	217,839	81,948	135,891	24,342	10,640	13,702	*	*	*
<b>Amhara</b>	2,584,726	1,210,056	1,374,670	729,992	340,878	389,114	53,076	12,938	40,138
North Gonder	666,543	290,996	375,546	90,178	40,922	49,256	*	*	*
South Gonder	309,040	159,750	149,290	101,775	50,990	50,785	*	*	*
North Wolo	299,718	136,123	163,596	83,607	27,196	56,411	6,024	*	4,613
South Wolo	328,139	161,332	166,806	152,024	75,857	76,167	10,284	*	*
North Shewa	265,260	130,091	135,170	91,420	44,371	47,049	19,519	3,224	16,294
East Gojam	213,341	101,944	111,397	84,074	*	40,917	*	*	*
West Gojam	152,413	69,481	82,932	35,995	20,283	15,712	*	*	*
Waghamera	157,865	66,845	91,020	30,930	10,335	20,595	5,519	1,288	4,231
Awi	72,903	33,969	38,934	40,787	20,635	20,153	-	-	-
Oromia	110,478	55,341	55,138	17,399	6,658	10,741	*	*	*
Argoba Special	9,027	4,185	4,841	1,803	475	1,328	*	-	*
<b>Oromia</b>	3,223,960	1,537,519	1,686,441	553,502	162,204	391,298	106,913	18,911	88,001
West Wellega	84,178	40,262	43,916	15,541	*	11,523	*	-	*
East Wellega	83,497	43,118	40,379	23,868	10,675	13,193	971	-	971
Illubabor	91,085	46,886	44,199	31,957	8,954	23,003	*	*	*
Jimma	138,972	66,445	72,527	28,025	6,893	21,131	8,708	*	7,913
West Shewa	155,643	76,050	79,593	42,542	16,947	25,595	6,022	*	4,526
North Shewa	110,169	52,958	57,210	28,720	12,291	16,430	1,639	*	*
East Shewa	196,603	94,975	101,628	31,284	9,135	22,149	2,465	*	1,949
Arsi	287,910	145,404	142,506	36,754	9,649	27,106	*	*	*
West Harerghe	433,991	196,363	237,629	66,953	18,173	48,780	22,890	3,383	19,507
East Harerghe	458,145	231,564	226,581	67,769	24,091	43,678	21,091	5,733	15,359
Bale	313,744	142,613	171,131	52,162	11,502	40,660	4,797	*	4,581
Borena	279,453	121,875	157,578	20,506	3,838	16,668	15,419	*	*
South West Shewa	116,136	59,356	56,781	26,279	11,497	14,782	5,495	*	4,612
Guji	188,179	84,084	104,095	20,393	3,263	17,130	*	*	*
West Arsi	149,689	69,341	80,348	*	*	27,279	*	*	*
Kelem Wellega	55,173	26,866	28,306	17,857	3,447	14,410	*	*	*
Horoguduru Wellega	81,394	39,361	42,033	12,009	4,226	7,784	*	-	*

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>	501,881	206,110	295,771	17,007	6,468	10,539	3,785	1,431	2,354
Shinele	104,897	46,103	58,795	1,696	640	1,056	1,387	201	1,186
Jijiga	176,213	83,935	92,277	*	*	1,090	*	*	*
Liben	220,771	76,072	144,699	11,608	3,215	8,393	1,960	865	1,094
<b>Benshangul-Gumuz</b>	290,335	128,416	161,919	64,735	16,025	48,710	2,691	*	2,512
Metekel	121,586	55,405	66,181	20,000	6,865	13,136	*	*	*
Asosa	114,610	48,319	66,290	36,101	7,410	28,691	1,854	*	1,759
Kemeshi	42,185	18,976	23,209	6,505	1,378	5,127	*	-	*
Mao Komo	11,954	5,715	6,239	2,128	372	1,757	*	-	*
<b>SNNP</b>	1,065,406	507,744	557,663	288,299	82,901	205,399	60,613	8,284	52,328
Gurage	49,363	22,297	27,067	20,006	7,475	12,531	3,945	*	3,685
Hadiya	44,284	21,024	23,260	19,753	8,022	11,730	3,229	*	3,003
Kembata Tembaro	16,011	8,754	7,258	8,982	1,870	7,112	3,175	-	3,175
Sidama	114,133	57,150	56,982	53,812	16,480	37,332	-	-	-
Gedio	3,847	1,872	1,975	*	*	*	*	*	*
Wolayita	29,191	17,728	11,463	24,761	4,750	20,011	*	*	*
South Omo	293,589	132,721	160,868	14,173	4,521	9,652	8,562	1,729	6,833
Shaka	6,120	3,273	2,847	5,494	2,297	3,197	*	*	1,037
Kaffa	104,639	51,786	52,853	27,893	8,819	19,073	11,273	*	10,933
Gamo Gofa	119,453	55,014	64,438	39,099	9,691	29,408	10,379	1,143	9,236
Bench Maji	36,017	19,120	16,897	12,558	3,217	9,341	7,050	*	6,197
Yem Sp. Wereda	10,243	5,119	5,123	1,522	*	1,401	745	*	686
Amaro Sp. Wereda	20,124	7,883	12,242	6,972	1,530	5,443	*	*	-
Burji Sp. Wereda	7,493	3,702	3,791	1,067	*	720	*	-	*
Konso Sp. Wereda	51,257	24,440	26,817	7,978	3,082	4,896	3,476	*	2,428
Derashe Sp. Wereda	20,807	9,356	11,451	3,205	*	2,606	*	298	*
Dawro	28,278	15,580	12,698	12,005	2,799	9,206	*	*	*
Basketo Sp. Wereda	3,449	1,955	1,494	830	265	565	*	*	*
Konta Sp. Wereda	6,749	3,791	2,959	2,180	423	1,757	*	*	*
Silte	73,518	32,882	40,636	15,452	4,422	11,031	3,208	*	2,251
Alaba Sp. Wereda	26,840	12,296	14,544	5,788	1,010	4,777	*	*	*
<b>Gambela Region</b>	34,517	14,331	20,186	4,934	1,573	3,361	1,455	337	1,118
Angnuwak	3,637	1,616	2,021	1,313	*	963	*	-	*
Nuware	25,584	10,272	15,313	2,476	633	1,843	1,198	320	878
Mezhenger	565	328	237	1,069	584	485	*	-	*
Itang Special	4,731	2,116	2,615	*	*	*	*	*	*
<b>Harari</b>	16,377	8,081	8,296	1,589	631	958	542	208	334
Hundene	16,377	8,081	8,296	1,589	631	958	542	208	334
<b>Dire Dawa</b>	70,478	32,355	38,124	3,378	1,566	1,812	3220	688	2,532

# 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>	171,296	84,979	86,318	212,755	127,132	85,623	13,863	4,282	9,581
<b>Tigray</b>	*	*	*	1,349	*	*	-	-	-
North West Tigray	-	-	-	-	-	-	-	-	-
Central Tigray	*	*	*	*	-	*	-	-	-
Eastern Tigray	-	-	-	*	*	-	-	-	-
Southern Tigray	*	*	*	*	*	*	-	-	-
Western Tigray	-	-	-	*	-	*	-	-	-
<b>Afar</b>	-	-	-	*	*	-	-	-	-
Zone 1	-	-	-	*	*	-	-	-	-
Zone 3	-	-	-	-	-	-	-	-	-
<b>Amhara</b>	27,517	13,883	13,634	35,991	18,786	17,205	1,912	*	*
North Gonder	*	*	-	*	*	-	*	*	-
South Gonder	*	*	*	*	*	*	-	-	-
North Wolo	2,986	*	*	*	914	*	*	-	*
South Wolo	6,009	4,347	1,662	8,112	2,489	5,623	-	-	-
North Shewa	5,246	*	3,221	*	2,655	*	*	-	*
East Gojam	5,928	2,370	3,558	7,983	4,052	3,931	*	*	-
West Gojam	*	*	*	4,867	2,649	*	-	-	-
Waghamera	*	*	*	*	-	*	-	-	-
Awi	1,436	964	*	5,927	4,425	*	-	-	-
Oromia	*	*	*	-	-	-	-	-	-
Argoba Special	-	-	-	-	-	-	-	-	-
<b>Oromia</b>	102,649	51,768	50,882	118,094	75,848	42,245	7,546	1,764	5,782
West Wellega	*	-	*	1,255	*	*	*	-	*
East Wellega	-	-	-	*	*	*	-	-	-
Illubabor	6,541	3,808	*	5,198	2,673	2,525	*	-	*
Jimma	13,092	6,075	7,017	7,399	6,129	*	*	-	*
West Shewa	12,633	5,015	7,618	13,538	5,840	7,698	*	-	*
North Shewa	9,283	4,990	4,293	7,085	*	3,681	*	*	*
East Shewa	*	*	*	*	*	*	-	-	-
Arsi	16,963	7,255	9,708	19,862	13,832	6,031	*	*	*
West Harerghe	*	*	-	-	-	-	-	-	-
East Harerghe	*	*	*	*	*	-	*	-	*
Bale	*	1,959	*	12,994	8,032	4,963	*	*	*
Borena	-	-	-	*	*	*	-	-	-
South West Shewa	*	*	*	9,954	9,029	*	*	*	*
Guji	15,235	8,241	6,994	12,021	8,829	3,192	*	*	-
West Arsi	13,775	8,588	5,188	23,547	14,328	9,219	*	*	*
Kelem Wellega	*	*	*	*	*	*	-	-	-
Horoguduru Wellega	5,553	3,172	2,380	1,678	887	791	*	-	*



## 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>	540,928	279,995	260,933	659,151	378,674	280,477	25,824	9,980	15,844
<b>Tigray</b>	43,910	25,410	18,500	52,639	32,483	20,156	924	924	-
North West Tigray	7,661	4,677	2,985	10,174	5,563	4,611	*	*	-
Central Tigray	14,677	8,318	6,359	13,308	6,087	7,221	*	*	-
Eastern Tigray	6,129	3,570	2,559	9,082	7,308	1,774	-	-	-
Southern Tigray	11,371	6,096	5,274	12,353	8,268	4,085	-	-	-
Western Tigray	4,072	2,749	1,323	7,723	5,257	2,466	-	-	-
<b>Afar</b>	9,547	4,448	5,099	2,836	1,263	*	*	*	*
Zone 1	8,092	3,776	4,316	*	*	*	*	*	*
Zone 3	1,454	672	*	*	*	*	-	-	-
<b>Amhara</b>	225,476	115,317	110,159	236,078	127,472	108,606	6,422	2,582	3,840
North Gonder	15,338	9,709	5,629	25,620	16,751	8,870	*	*	-
South Gonder	30,909	17,777	13,132	19,108	9,340	9,769	*	*	-
North Wolo	26,452	11,973	14,479	21,866	7,110	14,756	*	-	*
South Wolo	42,287	21,144	21,143	56,288	30,674	25,614	2,563	*	*
North Shewa	31,576	18,026	13,550	32,851	19,720	13,131	*	*	*
East Gojam	41,243	17,625	23,618	33,150	16,744	16,406	*	-	*
West Gojam	24,696	12,242	12,453	19,920	8,561	11,359	*	*	-
Waghamera	4,173	2,518	1,655	6,059	4,058	2,001	-	-	-
Awi	4,871	2,327	2,543	16,893	*	3,564	-	-	-
Oromia	3,818	1,885	1,932	3,600	847	2,753	-	-	-
Argoba Special	113	89	*	723	340	383	*	*	*
<b>Oromia</b>	210,858	109,497	101,360	257,706	145,310	112,396	13,159	4,448	8,712
West Wellega	10,665	6,430	4,236	13,992	5,691	8,302	*	*	-
East Wellega	13,192	7,164	6,028	13,104	8,602	4,502	-	-	-
Illubabor	1,950	827	1,124	5,034	4,136	898	*	-	*
Jimma	5,124	*	2,411	13,151	8,699	4,452	*	-	*
West Shewa	14,228	7,113	7,115	14,176	5,468	8,708	*	-	*
North Shewa	24,836	11,162	13,674	20,026	7,754	12,272	*	-	*
East Shewa	13,709	6,659	7,050	18,228	11,815	6,412	*	*	*
Arsi	34,695	18,265	16,430	29,674	14,423	15,251	-	-	-
West Harerghe	15,702	8,469	7,233	17,679	11,276	6,403	4,097	1,426	2,671
East Harerghe	13,183	6,310	6,874	25,240	17,705	7,536	4,375	*	2,393
Bale	14,037	8,415	5,621	21,403	13,890	7,513	-	-	-
Borena	2,166	*	1,299	7,670	4,052	3,619	*	*	*
South West Shewa	14,998	8,372	6,626	13,315	6,392	6,923	*	-	*
Guji	4,565	3,172	*	5,042	2,787	2,255	-	-	-
West Arsi	15,079	7,427	7,652	22,481	12,604	9,877	*	*	*
Kelem Wellega	2,304	1,016	1,289	10,703	6,598	4,105	-	-	-
Horoguduru Wellega	10,423	5,118	5,305	6,790	3,419	3,371	*	*	-

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>	4,285	2,409	1,876	4,541	3,465	1,076	*	-	*
Shinele	389	190	199	77	*	*	*	-	*
Jijiga	2,070	1,270	800	1,025	805	*	-	-	-
Liben	1,826	949	877	3,439	2,642	797	-	-	-
<b>Benshangul-Gumuz</b>	8,322	4,014	4,308	20,750	12,960	7,790	-	-	-
Metekel	1,151	485	666	5,217	4,442	775	-	-	-
Asosa	6,545	3,232	3,312	10,817	4,448	6,369	-	-	-
Kemeshi	205	138	*	3,568	3,323	*	-	-	-
Mao Komo	422	*	*	1,148	748	*	-	-	-
<b>SNNP</b>	37,429	18,295	19,133	83,021	54,531	28,490	4,818	1,813	3,004
Gurage	6,538	3,278	3,260	7,563	4,241	*	-	-	-
Hadiya	7,277	3,745	*	15,064	7,689	7,375	1,398	*	930
Kembata Tembaro	*	*	*	3,683	2,428	*	*	*	*
Sidama	5,423	2,455	2,968	13,168	10,256	*	-	-	-
Gedio	-	-	-	1,875	1,731	*	-	-	-
Wolayita	*	-	*	12,794	11,878	*	*	*	*
South Omo	*	*	*	*	*	*	-	-	-
Shaka	-	-	-	981	860	*	-	-	-
Kaffa	-	-	-	*	*	*	-	-	-
Gamo Gofa	2,159	*	*	10,927	*	*	*	*	-
Bench Maji	-	-	-	*	*	-	-	-	-
Yem Sp. Wereda	283	220	*	486	303	183	*	*	-
Amaro Sp. Wereda	*	*	*	*	*	*	-	-	-
Burji Sp. Wereda	315	149	166	187	*	113	-	-	-
Konso Sp. Wereda	*	*	*	*	*	*	-	-	-
Derashe Sp. Wereda	284	*	191	*	353	*	*	*	*
Dawro	-	-	-	623	446	*	-	-	-
Basketo Sp. Wereda	*	*	-	*	-	*	-	-	-
Konta Sp. Wereda	-	-	-	*	*	-	-	-	-
Silte	6,501	3,559	2,942	8,239	2,951	5,289	*	*	*
Alaba Sp. Wereda	4,693	2,467	2,227	3,030	854	2,176	*	*	*
<b>Gambela Region</b>	-	-	-	*	*	-	-	-	-
Angnuwak	-	-	-	*	*	-	-	-	-
Nuware	-	-	-	-	-	-	-	-	-
Mezhenger	-	-	-	*	*	-	-	-	-
Itang Special	-	-	-	-	-	-	-	-	-
<b>Harari</b>	528	260	268	167	*	*	*	*	*
Hundene	528	260	268	167	*	*	*	*	*
<b>Dire Dawa</b>	574	345	229	412	*	343	*	-	*

# f. Mules

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>	21,519	11,303	10,216	90,309	36,896	53,414	1,355	*	*
<b>Tigray</b>	-	-	-	*	*	*	-	-	-
North West Tigray	-	-	-	*	-	*	-	-	-
Central Tigray	-	-	-	-	-	-	-	-	-
Eastern Tigray	-	-	-	-	-	-	-	-	-
Southern Tigray	-	-	-	*	*	-	-	-	-
Western Tigray	-	-	-	*	*	-	-	-	-
<b>Afar</b>	*	*	*	*	*	-	-	-	-
Zone 1	-	-	-	-	-	-	-	-	-
Zone 3	*	*	*	*	*	-	-	-	-
<b>Amhara</b>	11,182	5,729	5,453	*	*	*	-	-	-
North Gonder	*	*	*	-	-	-	-	-	-
South Gonder	*	*	*	*	*	*	-	-	-
North Wolo	*	*	-	*	*	*	-	-	-
South Wolo	3,908	2,276	*	4,152	1,674	2,478	-	-	-
North Shewa	*	*	-	1,159	*	*	-	-	-
East Gojam	*	-	*	*	*	*	-	-	-
West Gojam	*	*	*	3,986	*	3,611	-	-	-
Waghamera	-	-	-	*	-	*	-	-	-
Awi	*	-	*	1,251	*	*	-	-	-
Oromia	*	*	*	-	-	-	-	-	-
Argoba Special	-	-	-	*	-	*	-	-	-
<b>Oromia</b>	7,450	4,121	3,329	23,603	10,195	13,408	*	*	*
West Wellega	*	-	*	*	*	*	-	-	-
East Wellega	-	-	-	*	-	*	-	-	-
Illubabor	*	*	*	887	*	*	-	-	-
Jimma	*	-	*	4,411	*	4,003	*	*	*
West Shewa	*	*	*	*	*	*	-	-	-
North Shewa	*	*	*	*	*	*	-	-	-
East Shewa	-	-	-	811	811	-	-	-	-
Arsi	2,138	*	*	*	*	*	-	-	-
West Harerghe	-	-	-	-	-	-	-	-	-
East Harerghe	*	*	-	-	-	-	-	-	-
Bale	*	*	*	5,160	2,571	2,589	-	-	-
Borena	-	-	-	938	806	*	*	*	-
South West Shewa	*	-	*	-	-	-	-	-	-
Guji	-	-	-	*	*	*	-	-	-
West Arsi	*	*	-	*	-	*	-	-	-
Kelem Wellega	-	-	-	1,473	511	962	-	-	-
Horoguduru Wellega	*	-	*	*	*	*	-	-	-





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>	49,906	20,501	29,405	3,305	593	2,712	*	*	*
Shinele	2,526	1,112	1,415	*	*	*	*	-	*
Jijiga	10,874	4,677	6,197	*	*	*	*	*	-
Liben	36,505	14,713	21,793	2,843	461	2,382	*	-	*
<b>Benshangul-Gumuz</b>	-	-	-	-	-	-	-	-	-
Metekel	-	-	-	-	-	-	-	-	-
Asosa	-	-	-	-	-	-	-	-	-
Kemeshi	-	-	-	-	-	-	-	-	-
Mao Komo	-	-	-	-	-	-	-	-	-
<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>Gambela Region</b>	-	-	-	-	-	-	-	-	-
Angnuwak	-	-	-	-	-	-	-	-	-
Nuware	-	-	-	-	-	-	-	-	-
Mezhenger	-	-	-	-	-	-	-	-	-
Itang Special	-	-	-	-	-	-	-	-	-
<b>Harari</b>	*	*	*	-	-	-	-	-	-
Hundene	*	*	*	-	-	-	-	-	-
<b>Dire Dawa</b>	731	365	366	*	*	*	*	*	*

## h. Poultry

Geographic Area	Total Number of Births	Total Number of Purchases	Total Acquired by any Other Means
<b>Ethiopia</b>	64,697,488	8,466,466	450,053
<b>Tigray</b>	5,294,466	684,478	48,554
North West Tigray	1,707,477	124,667	7,081
Central Tigray	1,249,175	155,404	13,030
Eastern Tigray	562,201	99,789	15,569
Southern Tigray	1,014,114	239,555	10,034
Western Tigray	761,499	65,062	2,840
<b>Afar</b>	76,816	8,719	471
Zone 1	*	*	-
Zone 3	76,554	8,645	471
<b>Amhara</b>	23,289,198	3,886,859	87,164
North Gondar	6,059,308	540,670	13,097
South Gondar	3,059,613	589,424	6,433
North Wolo	1,314,374	308,093	4,594
South Wolo	1,788,927	676,958	*
North Shewa	2,267,889	598,010	12,679
East Gojam	1,203,404	314,238	2,329
West Gojam	5,213,408	611,526	12,545
Waghamera	377,409	42,390	1,670
Awii	1,514,859	148,340	6,205
Oromia	454,956	54,205	*
Argoba Special	35,051	3,004	84
<b>Oromia</b>	20,507,266	2,200,247	179,983
West Wellega	2,249,923	157,553	5,564
East Wellega	1,336,718	118,946	*
Illubabor	1,477,413	148,552	7,806
Jimma	1,885,354	129,565	24,466
West Shewa	1,956,367	267,232	18,758
North Shewa	570,733	144,079	2,779
East Shewa	931,143	86,442	5,314
Arsi	1,688,936	240,621	7,038
West Harerghe	1,596,100	172,927	25,393
East Harerghe	1,343,286	86,366	47,637
Bale	692,513	96,204	8,369
Borena	390,122	48,517	4,236
South West Shewa	828,433	188,739	3,735
Gujji	828,825	75,180	2,582
West Arsi	1,120,605	64,090	7,504
Kelem Wellega	947,219	93,525	*
Horoguduru Wellega	663,577	81,708	1,334

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>	69,985	9,617	746
Shinele	3,131	*	147
Jijiga	*	-	-
Liben	64,161	9,479	*
<b>Benshangul-Gumuz</b>	1,952,933	195,846	3,519
Metekel	1,011,930	81,728	1,959
Asosa	665,901	92,706	*
Kemeshi	174,956	13,960	*
Mao Komo	100,146	7,453	396
<b>SNNP</b>	12,866,785	1,438,905	117,516
Gurage	373,154	128,610	9,523
Hadiya	1,443,920	90,815	14,135
Kembata Tembaro	506,443	44,442	7,349
Sidama	1,460,168	224,364	*
Gedio	375,739	145,249	*
Wolayita	1,041,511	134,105	11,259
South Omo	624,325	47,442	5,592
Shaka	384,981	53,177	2,502
Kaffa	2,026,203	116,700	18,976
Gamo Gofa	1,101,717	126,391	21,829
Bench Maji	1,595,696	126,587	7,217
Yem Sp. Wereda	47,702	4,264	937
Amaro Sp. Wereda	122,712	16,337	*
Burji Sp. Wereda	25,354	2,786	63
Konso Sp. Wereda	106,423	14,238	1,633
Derashe Sp. Wereda	148,734	10,158	668
Dawro	321,748	41,717	2,784
Basketo Sp. Wereda	36,431	8,078	714
Konta Sp. Wereda	109,542	9,356	793
Silte	687,296	78,661	4,334
Alaba Sp. Wereda	326,987	15,429	2,638
<b>Gambela Region</b>	516,645	34,769	7,362
Angnuwak	142,446	10,119	1,066
Nuware	105,914	3,633	*
Mezhenger	159,554	19,318	504
Itang Special	108,731	1,698	3,468
<b>Harari</b>	50,906	2,597	921
Hundene	50,906	2,597	921
<b>Dire Dawa</b>	72,488	4,431	3,816

**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>	5,538,736	3,340,565	2,198,171	417,327	239,711	177,616	4,092,986	1,811,526	2,281,460	524,800	219,065	305,735
<b>Tigray</b>	380,298	233,922	146,376	57,736	35,540	22,196	252,067	112,764	139,303	31,646	16,662	14,984
North West Tigray	75,094	48,248	26,846	11,552	7,655	3,897	96,980	43,059	53,921	9,110	4,661	4,449
Central Tigray	73,360	52,112	21,248	8,110	5,402	2,708	44,524	21,545	22,979	7,503	3,429	*
Eastern Tigray	59,153	35,352	23,801	6,227	2,895	3,331	13,459	5,789	7,671	*	*	*
Southern Tigray	123,818	72,413	51,405	15,973	9,353	6,620	49,643	22,970	26,673	4,888	3,085	1,804
Western Tigray	48,873	25,797	23,076	15,874	10,234	5,640	47,460	19,401	28,059	7,609	4,127	3,482
<b>Afar</b>	42,035	23,412	18,624	8,531	5,186	3,345	55,788	14,187	41,601	2,739	*	2,162
Zone 1	26,963	15,629	11,334	7,971	4,836	3,135	30,755	8,020	22,735	*	*	*
Zone 3	15,072	7,783	7,289	560	*	*	25,033	6,166	18,866	*	*	*
<b>Amhara</b>	1,181,730	745,193	436,538	135,518	79,482	56,036	823,901	393,931	429,970	57,444	25,726	31,719
North Gonder	163,544	97,881	65,663	16,234	9,896	*	171,273	80,979	90,295	6,420	3,628	2,791
South Gonder	154,696	101,172	53,523	10,415	5,143	5,272	103,599	44,114	59,485	3,871	1,680	2,191
North Wolo	123,390	73,396	49,994	8,734	3,897	4,837	56,498	26,078	30,420	6,275	3,095	3,180
South Wolo	214,815	130,389	84,426	27,298	12,961	14,337	93,097	42,159	50,938	7,202	*	4,304
North Shewa	122,261	86,621	35,640	32,860	20,497	12,363	90,015	50,817	39,198	12,293	4,919	7,375
East Gojam	120,893	81,120	39,773	20,658	15,201	5,457	98,417	45,842	52,575	9,846	3,877	5,969
West Gojam	139,217	88,093	51,124	4,700	3,911	*	103,163	55,955	47,208	6,315	3,951	*
Waghamera	46,880	29,269	17,611	6,473	3,210	3,263	39,260	17,828	21,432	3,476	1,430	2,046
Awi	65,150	37,535	27,614	3,177	1,939	*	46,956	20,324	26,631	*	-	*
Oromia	27,946	17,947	9,999	4,633	2,639	1,994	19,952	9,096	10,856	*	-	*
Argoba Special	2,939	1,768	1,171	337	188	149	1,672	738	934	391	247	144
<b>Oromia</b>	2,601,842	1,647,595	954,247	116,591	60,198	56,393	1,805,829	815,425	990,404	247,224	106,472	140,753
West Wellega	74,136	42,387	31,749	3,089	1,103	1,986	119,408	50,356	69,052	7,142	3,325	3,817
East Wellega	94,527	54,461	40,066	6,015	3,630	2,385	127,260	57,238	70,022	9,499	3,607	*
Illubabor	100,916	61,821	39,094	3,209	*	2,476	135,571	66,816	68,755	9,030	3,680	5,350
Jimma	219,038	141,686	77,352	7,141	3,097	4,044	195,487	90,098	105,389	58,609	19,928	38,682
West Shewa	241,611	147,759	93,852	12,826	6,524	6,302	108,656	53,672	54,985	25,033	15,012	10,021
North Shewa	104,641	66,016	38,626	9,607	4,643	4,963	82,620	37,918	44,702	*	*	*
East Shewa	96,816	62,739	34,076	6,269	4,152	2,117	63,364	34,421	28,943	3,042	1,219	1,823
Arsi	453,416	316,938	136,478	15,127	6,397	8,730	137,996	64,124	73,872	15,893	7,864	8,029
West Harerghe	291,123	191,303	99,820	8,699	3,296	5,403	140,350	62,287	78,062	27,280	12,865	14,415
East Harerghe	240,792	138,869	101,924	5,278	3,267	2,011	142,244	61,115	81,129	26,425	9,881	16,544
Bale	165,395	106,535	58,860	4,116	2,785	*	128,713	56,295	72,418	15,847	5,366	10,482
Borena	83,651	53,190	30,461	4,209	3,305	904	45,562	14,684	30,878	6,205	1,614	4,591
South West Shewa	68,503	40,937	27,565	15,398	9,984	*	56,705	26,318	30,387	6,374	3,704	2,670
Guji	115,558	68,746	46,813	3,512	1,953	1,560	96,085	35,148	60,937	5,221	*	4,390
West Arsi	167,149	99,773	67,376	5,473	1,665	3,808	91,209	37,440	53,769	14,000	7,914	6,086
Kelem Wellega	41,959	28,918	13,040	1,383	1,142	*	63,638	33,323	30,314	1,747	776	970
Horoguduru												
Wellega	42,612	25,516	17,095	5,240	2,522	2,719	70,962	34,174	36,788	2,344	*	*

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>	35,074	25,653	9,421	2,353	1,477	877	35,669	12,929	22,741	2,958	728	*
Shinele	524	*	*	*	*	-	2,599	711	1,888	*	*	*
Jijiga	13,726	11,183	2,542	*	-	*	9,722	3,700	6,022	*	*	*
Liben	20,824	14,204	6,620	2,256	1,452	804	23,349	8,518	14,831	*	-	*
<b>Benshangul-Gumuz</b>	49,877	26,976	22,901	6,916	3,659	3,257	142,809	72,268	70,541	1,542	833	709
Metekel	23,989	12,780	11,209	4,510	2,067	2,443	53,504	27,351	26,153	1,486	777	709
Asosa	21,012	11,304	9,708	1,975	1,318	656	62,626	32,258	30,367	-	-	-
Kemeshi	2,357	1,734	623	*	*	*	4,936	2,806	2,131	*	*	-
Mao Komo	2,519	1,159	1,360	*	*	*	21,743	9,853	11,890	*	*	-
<b>SNNP</b>	1,224,777	623,336	601,441	88,734	53,535	35,199	940,054	378,006	562,048	163,545	63,497	100,048
Gurage	81,280	41,866	39,414	34,308	20,779	13,529	78,196	27,022	51,174	8,755	3,625	5,130
Hadiya Kembata	101,705	62,715	38,990	943	943	-	45,502	18,935	26,567	23,337	8,809	14,528
Tembaro	43,529	22,334	21,195	*	*	*	25,550	13,743	11,807	6,344	2,170	4,174
Sidama	353,391	117,042	236,349	15,838	9,249	6,589	133,360	39,077	94,283	7,300	4,021	3,279
Gedio	54,280	35,807	18,473	*	*	*	13,895	5,635	8,260	*	*	-
Wolayita	113,941	69,233	44,707	*	-	*	73,738	31,526	42,212	7,339	2,940	4,399
South Omo	40,162	25,044	15,117	4,022	2,780	*	78,459	34,040	44,419	*	*	*
Shaka	22,229	12,057	10,172	1,218	648	569	11,872	4,734	7,137	5,382	1,287	4,095
Kaffa	89,292	54,980	34,312	11,123	5,173	5,951	100,828	45,457	55,372	19,192	6,899	12,293
Gamo Gofa	117,998	62,933	55,065	*	*	*	138,161	53,811	84,349	17,604	6,295	11,308
Bench Maji	47,172	27,094	20,078	4,129	3,245	*	57,025	27,618	29,407	35,647	13,616	22,032
Yem Sp. Wereda	8,370	5,268	3,101	923	506	*	4,781	1,983	2,798	1,379	861	518
Amaro Sp. Wereda	10,621	7,487	3,134	785	541	*	16,366	6,926	9,440	379	*	*
Burji Sp. Wereda	2,683	2,065	617	302	265	*	4,877	2,841	2,036	*	*	-
Konso Sp. Wereda	6,981	4,331	2,650	*	*	*	18,015	5,811	12,203	725	487	*
Derashe Sp. Wereda	4,512	3,311	1,201	*	*	*	8,294	4,605	3,689	*	*	*
Dawro Basketo Sp. Wereda	49,572	27,070	22,502	1,652	*	1,028	46,906	20,455	26,451	4,016	1,829	2,187
Konta Sp. Wereda	3,651	1,953	1,698	345	*	184	4,853	2,536	2,317	1,416	443	972
Silte Alaba Sp. Wereda	11,764	6,572	5,192	624	474	*	19,745	8,963	10,783	973	*	695
	47,661	25,518	22,143	7,664	5,545	*	40,504	14,510	25,995	3,314	1,190	2,124
	13,985	8,655	5,329	1,289	1,013	*	19,127	7,779	11,348	3,610	1,809	1,800
<b>Gambela Region</b>	15,295	9,249	6,046	771	558	213	30,992	10,062	20,930	16,614	4,215	12,399
Angnuwak	1,956	1,578	379	*	*	*	1,909	876	1,034	*	*	*
Nuware	9,051	5,520	3,531	466	*	*	25,814	7,961	17,853	16,225	4,109	12,116
Mezhenger	3,234	1,396	1,838	216	149	*	1,354	474	880	255	*	*
Itang Special	1,054	755	299	*	-	*	1,915	751	1,164	*	*	*
<b>Harari</b>	3,781	2,584	1,197	*	*	*	2,670	1,007	1,662	321	*	240
Hundene	3,781	2,584	1,197	*	*	*	2,670	1,007	1,662	321	*	240
<b>Dire Dawa</b>	4,026	2,646	1,380	-	-	-	3,208	948	2,260	766	724	492

## 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>	5,810,528	3,164,843	2,645,685	3,273,016	2,380,597	892,418	5,727,118	1,862,568	3,864,550	297,728	102,557	195,171
<b>Tigray</b>	259,778	142,911	116,867	222,173	173,565	48,608	216,166	61,870	154,296	8,376	2,499	5,877
North West Tigray	10,859	6,288	4,571	10,491	8,098	2,394	14,642	5,586	9,056	*	*	*
Central Tigray	48,459	23,922	24,537	33,943	23,577	10,366	53,097	15,625	37,472	*	*	*
Eastern Tigray	111,146	60,500	50,646	65,746	49,633	16,114	76,100	18,940	57,160	*	*	*
Southern Tigray	74,876	43,690	31,186	97,215	80,615	16,601	51,254	16,588	34,665	*	*	*
Western Tigray	14,438	8,511	*	14,777	11,643	3,134	*	*	*	*	-	*
<b>Afar</b>	166,518	105,387	61,130	31,880	21,954	9,926	67,961	22,296	45,666	2,045	1,115	929
Zone 1	99,403	59,938	39,465	25,481	17,379	8,102	33,475	10,192	23,283	*	*	*
Zone 3	67,115	45,449	21,666	6,399	4,575	1,824	34,487	12,104	22,383	*	*	*
<b>Amhara</b>	2,310,556	1,281,575	1,028,982	2,034,256	1,446,207	588,049	2,250,632	691,961	1,558,671	78,571	24,506	54,064
North Gonder	187,875	90,661	97,213	134,609	115,308	19,301	303,466	79,692	223,774	*	*	*
South Gonder	190,457	96,806	93,651	229,778	154,039	75,739	318,662	99,990	218,672	*	*	*
North Wolo	236,536	109,357	127,180	178,771	131,186	47,585	154,310	55,831	98,479	*	2,333	*
South Wolo	605,486	367,610	237,876	162,529	100,747	61,782	311,209	106,756	204,453	25,526	8,044	17,482
North Shewa	298,796	188,391	110,405	191,241	150,166	41,076	383,231	147,034	236,197	17,706	5,934	11,772
East Gojam	418,266	217,939	200,327	542,985	358,422	184,563	357,066	73,077	283,989	8,149	*	*
West Gojam	219,000	121,855	97,145	332,968	261,957	71,011	261,862	84,700	177,162	*	*	*
Waghamera	67,783	40,857	26,926	27,626	20,565	7,061	53,766	17,422	36,344	*	*	*
Awi	68,012	35,488	32,524	226,706	148,742	77,965	96,206	22,615	73,590	4,860	2,360	*
Oromia	17,971	12,362	5,609	6,930	4,963	1,967	10,522	4,709	5,813	*	*	-
Argoba Special	374	249	125	113	113	-	332	134	*	-	-	-
<b>Oromia</b>	2,157,054	1,196,972	960,082	713,683	531,516	182,167	1,980,057	672,689	1,307,368	150,775	58,826	91,949
West Wellega	51,438	21,054	30,385	7,576	5,939	1,637	70,293	23,421	46,871	*	*	*
East Wellega	53,887	24,741	29,146	17,897	15,078	2,818	65,555	25,814	39,741	2,099	*	*
Illubabor	72,689	34,733	37,956	*	18,411	*	100,024	34,840	65,184	3,857	704	*
Jimma	163,830	95,700	68,129	35,708	26,217	9,491	183,824	60,505	123,319	22,151	*	18,119
West Shewa	274,271	152,713	121,558	137,550	91,823	*	320,427	92,703	227,724	6,333	*	5,730
North Shewa	290,754	192,535	98,219	215,201	146,194	69,007	255,565	102,841	152,724	*	*	*
East Shewa	72,290	41,452	30,839	32,315	28,730	3,584	65,525	22,903	42,621	*	*	*
Arsi	437,332	224,889	212,443	53,575	40,258	13,317	187,231	65,050	122,180	8,595	2,633	5,962
West Harerghe	70,083	31,772	38,311	7,798	7,537	*	41,016	15,349	25,667	4,393	1,157	3,236
East Harerghe	106,991	64,312	42,679	33,897	33,482	*	114,752	37,591	77,161	7,276	2,435	4,841
Bale	86,305	51,110	35,194	19,060	14,660	4,400	74,310	21,887	52,423	3,253	*	2,351
Borena	20,243	12,950	7,293	9,526	8,790	*	37,298	12,213	25,085	2,272	*	*
South West Shewa	72,395	43,849	28,546	45,130	39,221	5,909	106,215	32,549	73,665	4,414	*	3,228
Guji	75,920	48,565	27,355	19,763	15,950	3,812	98,126	36,858	61,268	1,535	*	1,093
West Arsi	235,638	120,781	114,857	20,448	14,299	6,149	157,779	54,562	103,217	8,273	4,160	4,113
Kelem Wellega	30,853	13,012	17,841	6,752	4,994	1,757	45,261	15,084	30,178	*	-	*
Horoguduru												
Wellega	42,135	22,805	19,330	23,593	19,931	3,663	56,857	18,518	38,339	*	*	*

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>	130,154	90,205	9,421	38,696	28,760	9,936	76,070	30,631	45,438	4,651	*	2,551
Shinele	23,688	15,755	*	5,246	3,189	2,057	19,659	7,620	12,040	1,605	539	1,065
Jijiga	84,404	58,760	2,542	17,386	12,133	5,252	29,245	14,831	*	*	*	*
Liben	22,062	15,690	6,620	16,065	13,439	2,627	27,165	8,181	18,985	563	249	*
<b>Benshangul-Gumuz</b>	18,651	8,415	22,901	17,283	13,056	4,227	40,744	14,289	26,455	*	*	*
Metekel	9,806	4,233	11,209	13,175	10,478	2,697	14,995	5,260	9,735	*	*	*
Asosa	4,013	1,891	9,708	1,646	*	832	14,623	4,996	9,627	-	-	-
Kemeshi	2,622	1,367	623	*	*	*	3,438	928	2,510	-	-	-
Mao Komo	2,210	924	1,360	340	240	*	7,689	3,106	4,583	*	*	-
<b>SNNP</b>	754,535	329,995	601,441	206,510	158,756	47,754	1,080,091	364,079	716,013	51,007	12,649	38,358
Gurage	43,163	18,743	39,414	38,154	27,922	*	72,906	23,473	49,433	2,152	*	*
Hadiya	47,455	21,885	38,990	13,784	9,790	3,994	62,287	21,051	41,236	*	*	6,007
Kembata Tembaro	24,133	9,695	21,195	3,209	2,321	888	25,669	11,250	14,420	1,825	*	1,499
Sidama	136,248	40,217	236,349	13,171	11,520	*	49,655	20,652	29,002	*	*	-
Gedio	67,151	28,019	18,473	8,472	7,346	*	58,081	20,517	37,563	*	*	*
Wolayita	34,898	16,563	44,707	1,701	937	*	32,306	12,482	19,824	3,978	*	3,266
South Omo	37,661	18,939	15,117	14,584	9,312	5,273	98,674	39,741	58,932	*	*	*
Shaka	15,110	8,286	10,172	15,480	11,906	3,573	17,944	6,743	11,200	2,272	*	1,988
Kaffa	95,902	55,650	34,312	39,859	31,289	8,569	184,677	53,752	130,924	11,510	*	9,913
Gamo Gofa	103,820	37,374	55,065	13,465	11,644	*	198,890	53,287	145,603	3,117	*	*
Bench Maji	32,553	19,069	20,078	13,610	10,376	3,235	75,733	29,353	46,380	5,604	2,081	3,523
Yem Sp. Wereda	6,595	2,891	3,101	418	*	*	8,049	2,160	5,888	732	*	642
Amaro Sp. Wereda	3,903	1,650	3,134	*	832	*	17,167	5,626	11,541	*	*	*
Burji Sp. Wereda	131	*	617	*	*	-	733	249	485	-	-	-
Konso Sp. Wereda	3,502	2,141	2,650	1,514	1,356	*	11,998	3,258	8,740	*	-	*
Derashe Sp. Wereda	2,762	2,006	1,201	*	*	*	6,949	2,703	4,246	*	*	*
Dawro	31,562	16,368	22,502	466	*	*	36,003	15,461	20,542	*	*	*
Basketo Sp. Wereda	1,541	654	1,698	318	239	*	3,280	1,250	2,030	391	*	312
Konta Sp. Wereda	4,387	2,283	5,192	*	*	*	7,671	3,502	4,169	*	-	*
Silte	51,331	22,331	22,143	22,694	18,261	4,433	91,066	30,844	60,222	3,038	*	2,561
Alaba Sp. Wereda	10,728	5,163	5,329	3,383	2,640	742	20,355	6,722	13,632	838	*	649
<b>Gambela Region</b>	5,379	3,199	6,046	4,969	3,511	1,457	5,287	2,066	3,221	621	239	382
Angnuwak	*	*	379	*	*	*	-	-	-	*	*	*
Nuware	1,730	*	3,531	*	*	-	3,107	1,172	1,935	*	*	*
Mezhenger	3,110	1,509	1,838	3,853	2,741	1,113	1,789	780	1,009	229	*	148
Itang Special	*	*	299	-	-	-	392	*	277	-	-	-
<b>Harari</b>	705	649	1,197	599	599	-	389	*	287	*	*	*
Hundene	705	649	1,197	599	599	-	389	*	287	*	*	*
<b>Dire Dawa</b>	7,199	5,536	1,380	2,965	2,672	293	9,720	2,584	7,136	1,187	337	850

## 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>	4,496,692	2,314,765	2,181,927	1,916,553	1,303,316	613,236	5,125,629	1,751,705	3,373,924	211,554	65,613	145,940
<b>Tigray</b>	534,274	300,293	233,981	383,657	262,939	120,718	624,925	189,871	435,055	12,448	5,033	7,415
North West Tigray	145,594	85,541	60,053	126,243	87,062	39,181	212,514	70,851	141,663	*	*	*
Central Tigray	166,595	96,251	70,344	93,509	63,513	29,997	232,004	60,357	171,647	3,116	*	2,400
Eastern Tigray	43,036	23,975	19,060	18,727	14,054	4,673	27,820	7,623	20,197	*	*	*
Southern Tigray	119,681	57,325	62,356	77,929	51,479	26,451	70,592	23,129	47,463	*	*	*
Western Tigray	59,369	37,201	22,167	67,248	46,831	20,417	81,995	27,911	54,084	*	*	*
<b>Afar</b>	279,011	158,389	120,622	59,551	42,913	16,639	153,997	46,897	107,099	3,290	1,255	2,035
Zone 1	160,294	83,004	77,290	29,013	20,561	8,451	42,856	11,486	31,370	1,968	1,007	*
Zone 3	118,717	75,385	43,332	30,539	22,351	8,187	111,141	35,411	75,729	*	*	*
<b>Amhara</b>	1,379,617	652,165	727,452	912,810	601,269	311,541	1,531,944	528,781	1,003,164	41,691	11,862	29,829
North Gonder	237,873	122,284	115,590	169,626	124,981	44,645	304,759	93,566	211,193	*	*	*
South Gonder	149,277	74,069	75,208	156,550	103,517	53,033	186,184	62,033	124,151	*	*	*
North Wolo	236,266	92,843	143,423	114,929	74,301	40,629	153,440	53,920	99,520	6,106	1,637	4,470
South Wolo	230,808	98,541	132,267	131,973	72,170	59,804	173,738	66,975	106,763	8,139	*	6,380
North Shewa	118,471	63,978	54,493	87,981	57,911	30,070	291,655	113,202	178,453	7,972	2,152	5,821
East Gojam	92,822	52,743	40,079	102,636	68,748	33,888	137,223	43,644	93,579	*	-	*
West Gojam	62,443	34,738	27,705	25,630	17,084	8,546	79,908	29,410	50,498	*	*	*
Waghamera	172,842	73,666	99,176	63,853	44,247	19,607	146,975	41,962	105,014	6,024	1,506	*
Awi	22,982	10,528	*	37,234	23,107	14,127	24,946	10,609	14,336	*	*	-
Oromia	50,461	26,143	24,318	21,015	14,279	6,736	29,687	11,979	17,708	*	*	*
Argoba Special	5,372	2,632	2,740	1,381	925	456	3,429	1,481	1,949	187	*	176
<b>Oromia</b>	1,675,607	859,336	816,272	352,377	247,794	104,583	1,905,237	665,089	1,240,148	107,010	33,346	73,663
West Wellega	33,391	16,015	17,375	10,316	5,597	*	35,057	12,443	22,614	*	*	*
East Wellega	26,773	14,157	12,616	19,704	12,193	7,511	44,759	19,825	24,934	*	*	*
Illubabor	37,764	18,245	19,519	8,221	6,293	1,928	45,437	16,948	28,489	*	*	*
Jimma	36,621	13,197	23,424	8,585	6,642	1,944	91,148	30,386	60,762	13,783	*	11,679
West Shewa	73,983	36,918	37,065	30,618	19,862	10,756	71,987	30,269	41,719	*	-	*
North Shewa	51,602	27,418	24,184	31,740	21,727	10,013	45,336	18,104	27,233	*	-	*
East Shewa	125,996	72,441	53,555	32,591	24,730	7,861	84,124	29,231	54,893	*	*	*
Arsi	223,532	113,318	110,214	22,844	14,304	*	246,304	94,318	151,986	8,957	2,457	6,500
West Harerghe	367,461	177,107	190,354	39,486	28,085	11,401	352,556	112,668	239,889	29,206	10,459	18,747
East Harerghe	266,493	138,457	128,037	31,854	27,498	4,356	269,468	85,009	184,459	18,461	5,240	13,221
Bale	120,045	72,029	48,016	24,773	16,513	8,260	216,667	67,220	149,447	13,157	*	7,008
Borena	110,471	57,561	52,910	21,790	17,775	4,015	77,735	24,481	53,254	6,819	*	4,354
South West Shewa	44,033	22,917	21,115	22,557	17,188	5,368	68,499	28,405	40,094	1,569	*	1,344
Guji	72,087	41,250	30,837	15,650	8,408	7,243	138,193	51,129	87,064	3,849	1,327	2,523
West Arsi	45,553	18,987	26,566	*	*	*	41,332	14,615	26,717	*	-	*
Kelem Wellega Horigoduru	15,911	7,615	8,296	4,871	2,649	2,222	28,565	11,963	16,602	*	*	*
Wellega	23,893	11,705	12,188	15,117	10,299	4,819	48,069	18,077	29,993	*	*	*

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>	191,713	129,988	61,725	49,545	37,122	12,423	127,782	45,288	82,494	8,280	3,236	5,045
Shinele	75,497	46,084	29,413	13,644	8,069	5,574	45,526	15,781	29,745	5,371	1,559	3,812
Jijiga	65,825	49,003	16,822	11,713	10,252	1,462	28,568	12,766	*	*	*	*
Liben	50,390	34,901	15,489	24,188	18,801	5,387	53,688	16,741	36,947	1,451	731	720
<b>Benshangul-Gumuz</b>	66,677	34,956	31,721	40,815	26,577	14,238	237,907	84,751	153,156	3,581	*	3,211
Metekel	31,437	16,623	14,813	21,297	14,660	6,637	74,655	29,455	45,199	*	*	*
Asosa	24,031	12,833	11,198	13,371	8,685	4,687	131,121	44,445	86,676	2,223	*	2,025
Kemeshi	8,181	4,328	3,853	5,602	2,871	2,731	19,537	6,520	13,017	*	*	*
Mao Komo	3,028	1,172	1,856	546	362	184	12,595	4,331	8,264	-	-	-
<b>SNNP</b>	333,546	155,718	177,828	109,088	77,587	31,500	498,012	179,247	318,765	28,543	8,276	20,268
Gurage	10,450	4,086	6,364	11,296	9,061	2,235	32,654	11,219	21,435	*	*	*
Hadiya	16,561	6,406	10,155	11,560	7,753	3,808	36,625	13,191	23,434	*	*	-
Kembata Tembaro	3,455	859	2,595	2,060	954	1,106	7,779	2,923	4,857	1,063	*	960
Sidama	80,187	32,126	48,061	9,137	4,761	4,376	31,170	10,619	20,552	3,044	*	*
Gedio	*	*	*	*	*	-	1,417	826	*	-	-	-
Wolayita	12,681	4,427	8,254	*	*	-	17,147	7,123	10,024	*	-	*
South Omo	61,061	39,076	21,985	23,437	17,813	*	100,950	37,515	63,435	4,467	2,657	1,810
Shaka	3,155	1,708	1,447	3,087	1,817	1,270	3,285	1,899	1,386	727	*	540
Kaffa	22,297	13,814	8,483	16,311	11,476	4,835	50,944	17,830	33,114	5,461	*	5,104
Gamo Gofa	44,213	16,852	27,361	4,319	2,163	*	61,771	20,655	41,115	5,145	*	4,053
Bench Maji	8,635	5,137	3,498	4,720	3,778	*	19,056	8,220	10,836	1,850	*	1,585
Yem Sp. Wereda	4,297	1,940	2,357	395	269	*	4,790	2,175	2,616	*	-	*
Amaro Sp. Wereda	7,436	3,522	3,914	1,958	1,538	*	17,529	5,760	11,768	*	*	-
Burji Sp. Wereda	2,144	936	1,208	795	712	83	3,986	1,421	2,565	*	*	*
Konso Sp. Wereda	13,771	7,194	6,577	2,604	2,255	*	24,373	8,151	16,222	*	*	*
Derashe Sp. Wereda	3,623	2,388	1,234	764	477	*	12,875	4,259	8,616	589	262	*
Dawro	7,629	2,767	4,862	847	756	*	16,116	6,285	9,831	*	*	*
Basketo Sp. Wereda	698	163	535	189	*	137	2,312	1,007	1,305	*	*	*
Konta Sp. Wereda	2,436	1,167	1,269	322	*	*	7,368	3,421	3,947	-	-	-
Silte	19,500	6,791	12,709	10,963	8,118	2,845	34,710	10,916	23,793	*	*	*
Alaba Sp. Wereda	7,759	4,131	3,628	3,424	2,702	722	11,157	3,835	7,323	*	-	*
<b>Gambela Region</b>	8,179	5,161	3,018	1,260	827	433	12,056	3,607	8,449	806	278	527
Angnuwak	1,112	569	543	*	*	*	1,793	623	1,170	*	*	*
Nuware	5,323	3,300	2,023	407	295	*	9,312	2,730	6,582	*	*	*
Mezhenger	*	*	*	525	312	213	169	*	*	*	-	*
Itang Special	*	*	*	*	*	*	781	207	574	*	*	-
<b>Harari</b>	5,313	3,461	1,853	2,172	1,966	206	3,910	1,634	2,276	442	*	414
Hundene	5,313	3,461	1,853	2,172	1,966	206	3,910	1,634	2,276	442	*	414
<b>Dire Dawa</b>	22,755	15,298	7,457	5,278	4,322	956	29,858	6,540	23,318	5,462	1,930	3,533

## d. Horses

Geographic Area	Number of Sales			Number of Deaths			Offerings		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
<b>Ethiopia</b>	135,641	86,040	49,601	200,686	90,492	110,194	3,991	1,694	2,298
<b>Tigray</b>	2,887	*	*	*	*	*	*	*	-
North West Tigray	*	*	-	*	*	*	*	*	-
Central Tigray	*	-	*	*	*	*	-	-	-
Eastern Tigray	-	-	-	-	-	-	-	-	-
Southern Tigray	*	*	*	*	*	*	*	*	-
Western Tigray	-	-	-	-	-	-	-	-	-
<b>Afar</b>	-	-	-	*	*	*	-	-	-
Zone 1	-	-	-	*	*	*	-	-	-
Zone 3	-	-	-	*	*	*	-	-	-
<b>Amhara</b>	21,507	9,802	11,705	39,202	16,158	23,044	1,061	*	*
North Gonder	*	*	*	*	*	3,649	-	-	-
South Gonder	*	*	-	3,969	*	*	-	-	-
North Wolo	*	*	*	*	-	*	*	-	*
South Wolo	3,964	*	3,133	*	*	*	-	-	-
North Shewa	2,339	*	*	3,793	*	2,059	*	*	*
East Gojam	2,361	1,974	*	7,123	*	4,709	-	-	-
West Gojam	*	*	*	7,232	*	*	-	-	-
Waghamera	*	*	*	*	*	*	-	-	-
Awi	2,335	*	*	6,978	4,082	2,897	*	-	*
Oromia	*	*	*	-	-	-	-	-	-
Argoba Special	*	*	-	*	-	*	-	-	-
<b>Oromia</b>	84,169	58,040	26,129	107,146	49,709	57,437	2,077	*	1,280
West Wellega	*	*	*	*	*	*	*	-	*
East Wellega	-	-	-	*	*	*	-	-	-
Illubabor	*	3,048	*	7,057	2,005	5,053	-	-	-
Jimma	4,198	4,198	-	12,507	4,486	8,022	-	-	-
West Shewa	10,805	6,573	4,232	17,306	8,798	8,509	*	-	*
North Shewa	2,027	1,540	*	2,508	*	1,765	*	-	*
East Shewa	2,175	*	*	1,144	*	*	-	-	-
Arsi	24,112	15,895	8,217	15,733	7,039	8,694	-	-	-
West Harerghe	*	*	*	*	*	*	*	*	*
East Harerghe	*	-	*	*	*	*	-	-	-
Bale	5,380	3,661	*	5,863	3,241	*	*	-	*
Borena	*	*	-	-	-	-	-	-	-
South West Shewa	4,426	4,426	-	7,830	4,958	*	-	-	-
Guji	10,098	7,118	2,980	15,230	8,451	6,779	*	*	-
West Arsi	9,357	7,220	2,137	11,494	4,281	7,213	*	*	-
Kelem Wellega	*	*	*	931	529	*	-	-	-
Horoguduru Wellega	1,980	988	992	3,948	1,877	2,071	*	-	*

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>	*	*	*	*	*	*	-	-	-
Shinele	-	-	-	-	-	-	-	-	-
Jijiga	*	*	-	*	*	*	-	-	-
Liben	*	*	*	-	-	-	-	-	-
<b>Benshangul-Gumuz</b>	*	*	*	5,509	1,807	3,702	-	-	-
Metekel	*	-	*	*	-	*	-	-	-
Asosa	*	*	*	*	1,807	*	-	-	-
Kemeshi	-	-	-	*	-	*	-	-	-
Mao Komo	-	-	-	-	-	-	-	-	-
<b>SNNP</b>	25,458	15,638	9,820	38,744	18,711	20,033	440	*	*
Gurage	2,173	*	*	2,532	-	2,532	-	-	-
Hadiya	3,242	1,601	*	2,559	1,412	*	-	-	-
Kembata Tembaro	1,122	690	*	*	*	*	*	*	-
Sidama	*	*	*	*	*	-	-	-	-
Gedio	1,353	1,122	*	*	*	*	-	-	-
Wolayita	-	-	-	-	-	-	-	-	-
South Omo	*	*	*	*	*	*	-	-	-
Shaka	*	*	*	398	*	*	-	-	-
Kaffa	4,673	3,731	*	13,323	7,491	5,832	-	-	-
Gamo Gofa	*	*	*	5,440	*	*	-	-	-
Bench Maji	700	*	*	3,524	1,962	*	-	-	-
Yem Sp. Wereda	*	*	*	*	*	*	*	-	*
Amaro Sp. Wereda	-	-	-	*	*	*	-	-	-
Burji Sp. Wereda	-	-	-	*	*	*	-	-	-
Konso Sp. Wereda	*	*	-	-	-	-	-	-	-
Derashe Sp. Wereda	*	*	-	*	*	*	-	-	-
Dawro	430	343	*	629	*	528	*	*	-
Basketo Sp. Wereda	*	*	-	*	*	-	-	-	-
Konta Sp. Wereda	*	*	-	*	*	-	-	-	-
Silte	2,183	1,461	*	*	*	*	-	-	-
Alaba Sp. Wereda	*	*	*	*	*	*	*	-	*
<b>Gambela Region</b>	*	*	-	*	*	-	*	*	-
Angnuwak	-	-	-	-	-	-	-	-	-
Nuware	-	-	-	-	-	-	-	-	-
Mezhenger	*	*	-	*	*	-	*	*	-
Itang Special	-	-	-	-	-	-	-	-	-
<b>Harari</b>	155	*	*	*	-	*	-	-	-
Hundene	155	*	*	*	-	*	-	-	-
<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>	373,479	216,478	157,001	443,790	223,533	220,257	15,809	6,557	9,251
<b>Tigray</b>	32,302	19,704	12,598	27,804	13,801	14,003	1,079	*	*
North West Tigray	4,509	2,571	1,938	4,745	2,722	2,023	*	-	*
Central Tigray	6,776	4,155	2,621	7,410	2,663	4,747	-	-	-
Eastern Tigray	6,937	4,325	2,613	2,663	1,479	1,185	*	*	-
Southern Tigray	11,019	6,807	4,212	9,612	5,504	4,108	*	-	*
Western Tigray	3,060	1,847	*	3,374	1,433	*	*	*	*
<b>Afar</b>	2,111	1,897	*	3,525	1,164	2,361	*	*	*
Zone 1	1,854	1,771	*	*	*	*	*	*	*
Zone 3	*	*	*	1,620	377	*	-	-	-
<b>Amhara</b>	149,971	83,794	66,176	170,428	83,118	87,310	4,987	1,765	3,222
North Gondar	17,820	8,106	9,715	23,206	12,687	10,519	*	*	-
South Gondar	19,457	9,981	9,476	20,794	8,441	12,353	-	-	-
North Wolo	13,862	6,840	7,023	11,038	4,043	6,995	*	-	*
South Wolo	34,759	20,897	13,862	20,248	10,596	9,651	*	-	*
North Shewa	11,997	5,422	6,575	25,563	12,699	12,863	*	*	*
East Gojam	27,101	17,177	9,924	29,466	12,100	17,366	*	*	*
West Gojam	13,876	9,221	4,655	18,713	7,678	11,034	-	-	-
Waghamera	5,557	2,914	2,643	6,232	3,069	3,163	-	-	-
Awi	3,678	2,454	1,224	14,322	*	2,672	*	*	-
Oromia	1,667	684	983	750	*	*	-	-	-
Argoba Special	196	98	98	98	49	*	-	-	-
<b>Oromia</b>	147,816	83,807	64,010	189,928	93,843	96,085	7,673	3,369	4,304
West Wellega	6,533	4,230	2,303	9,743	4,415	5,328	*	*	*
East Wellega	9,181	6,377	2,804	15,884	9,092	6,792	-	-	-
Illubabor	1,626	1,276	*	6,067	2,913	3,155	-	-	-
Jimma	7,817	4,237	*	12,341	*	*	-	-	-
West Shewa	8,403	4,128	4,275	7,384	3,044	4,340	-	-	-
North Shewa	9,771	4,204	5,567	9,857	3,169	6,688	*	-	*
East Shewa	12,037	7,155	4,882	12,598	8,781	3,817	-	-	-
Arsi	23,690	11,692	11,998	20,795	8,662	12,133	*	*	*
West Harerghe	14,667	8,028	6,639	16,084	7,078	9,006	1,224	*	*
East Harerghe	11,592	6,985	4,607	22,255	13,387	8,868	2,668	*	1,462
Bale	10,891	5,591	5,300	18,190	9,679	8,511	*	*	*
Borena	*	*	*	3,738	*	3,282	*	-	*
South West Shewa	11,441	6,771	4,670	8,740	2,423	6,318	*	*	*
Guji	*	*	*	3,513	1,212	2,300	*	*	-
<b>West Arsi</b>	8,574	5,087	3,487	8,821	2,985	5,836	-	-	-
<b>Kelem Wellega</b>	3,622	2,640	982	6,477	3,371	3,106	-	-	-
Horoguduru Wellega	3,806	3,006	800	7,442	4,228	3,214	-	-	-

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>	435	*	*	2,992	2,165	828	-	-	-
Shinele	*	*	*	1,125	665	460	-	-	-
Jijiga	*	*	*	*	*	291	-	-	-
Liben	-	-	-	1,141	1,065	*	-	-	-
<b>Benshangul-Gumuz</b>	3,947	3,140	807	19,937	11,958	7,979	*	*	-
Metekel	1,114	830	*	3,461	2,288	1,172	*	*	-
Asosa	1,926	1,537	389	11,610	6,142	5,467	-	-	-
Kemeshi	726	651	*	2,838	*	*	-	-	-
Mao Komo	181	121	*	2,029	1,001	1,028	-	-	-
<b>SNNP</b>	36,395	23,600	12,795	27,770	16,456	11,314	1,747	*	1,074
Gurage	*	*	*	4,329	2,039	*	-	-	-
Hadiya	5,873	3,241	2,632	4,715	1,626	3,088	*	*	*
Kembata Tembaro	1,425	1,061	*	1,222	765	457	-	-	-
Sidama	5,147	3,864	*	*	*	-	-	-	-
Gedio	-	-	-	*	*	-	-	-	-
Wolayita	5,198	4,969	*	3,566	3,091	*	-	-	-
South Omo	*	*	*	*	*	*	-	-	-
Shaka	*	*	-	-	-	-	-	-	-
Kaffa	*	-	*	*	*	-	-	-	-
Gamo Gofa	4,014	2,901	1,112	4,471	2,553	1,918	-	-	-
Bench Maji	-	-	-	-	-	-	-	-	-
Yem Sp. Wereda	246	*	*	272	*	152	*	-	*
Amaro Sp. Wereda	*	*	*	*	*	*	-	-	-
Burji Sp. Wereda	*	*	-	179	113	67	-	-	-
Konso Sp. Wereda	-	-	-	*	*	*	-	-	-
Derashe Sp. Wereda	*	*	-	663	430	*	-	-	-
Dawro	*	*	-	376	376	-	*	*	-
Basketo Sp. Wereda	-	-	-	*	*	*	-	-	-
Konta Sp. Wereda	-	-	-	*	*	-	-	-	-
Silte	*	*	*	1,631	*	938	*	*	*
Alaba Sp. Wereda	1,305	656	*	1,624	*	1,268	*	*	*
<b>Gambela Region</b>	*	*	-	*	*	-	-	-	-
Angnuwak	*	*	-	*	*	-	-	-	-
Nuware	-	-	-	-	-	-	-	-	-
Mezhenger	-	-	-	-	-	-	-	-	-
Itang Special	-	-	-	-	-	-	-	-	-
<b>Harari</b>	*	*	*	390	342	*	*	*	-
Hundene	*	*	*	390	342	*	*	*	-
<b>Dire Dawa</b>	216	*	*	486	157	329	-	-	-

## f. Mules

Geographic Area	Number of Sales			Number of Deaths			Offerings		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
<b>Ethiopia</b>	*	27,216	*	28,085	14,380	13,705	*	*	*
<b>Tigray</b>	*	*	*	*	*	*	-	-	-
North West Tigray	*	*	-	-	-	-	-	-	-
Central Tigray	*	-	*	-	-	-	-	-	-
Eastern Tigray	-	-	-	-	-	-	-	-	-
Southern Tigray	*	*	-	*	*	*	-	-	-
Western Tigray	-	-	-	*	*	-	-	-	-
<b>Afar</b>	-	-	-	*	*	*	*	*	-
Zone 1	-	-	-	*	*	*	*	*	-
Zone 3	-	-	-	-	-	-	-	-	-
<b>Amhara</b>	*	*	*	9,376	4,364	5,012	-	-	-
North Gondar	-	-	-	*	*	-	-	-	-
South Gondar	*	-	*	*	*	*	-	-	-
North Wolo	*	*	*	*	*	*	-	-	-
South Wolo	3,036	*	2,151	*	*	*	-	-	-
North Shewa	*	*	*	*	-	*	-	-	-
East Gojam	*	*	*	*	*	*	-	-	-
West Gojam	*	*	*	2,347	*	1,578	-	-	-
Waghamera	*	-	*	*	*	*	-	-	-
Awii	1,883	*	*	*	*	*	-	-	-
Oromia	-	-	-	*	*	*	-	-	-
Argoba Special	-	-	-	-	-	-	-	-	-
<b>Oromia</b>	13,784	7,269	6,515	12,889	6,301	6,589	*	-	*
West Wellega	*	-	*	696	*	*	-	-	-
East Wellega	*	*	*	*	*	*	*	-	*
Illubabor	*	-	*	*	*	*	-	-	-
Jimma	5,513	3,286	*	1,835	*	1,627	-	-	-
West Shewa	*	-	*	*	*	*	-	-	-
North Shewa	*	-	*	*	-	*	-	-	-
East Shewa	*	*	-	-	-	-	-	-	-
Arsi	*	*	*	2,835	2,211	*	-	-	-
West Harerghe	*	-	*	*	*	-	-	-	-
East Harerghe	*	-	*	-	-	-	-	-	-
Bale	2,157	1,364	*	1,782	936	*	-	-	-
Borena	-	-	-	*	-	*	-	-	-
South West Shewa	*	*	*	*	-	*	-	-	-
Guji	*	*	-	*	*	*	-	-	-
West Arsi	-	-	-	*	-	*	-	-	-
Kelem Wellega	*	-	*	*	*	*	-	-	-
Horoguduru Wellega	*	*	-	*	*	-	-	-	-



**g. Camels**

[illegible]

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>	8,700	6,856	1,844	723	554	*	5,377	1,664	3,713	*	*	*
Shinele	488	418	*	*	*	-	1,062	437	625	*	*	-
Jijiga	1,750	1,386	*	*	*	-	582	*	*	*	*	*
Liben	6,462	5,052	1,410	*	*	*	3,733	*	2,871	-	-	-
<b>Benshangul-Gumuz</b>	-	-	-	-	-	-	*	*	*	-	-	-
Metekel	-	-	-	-	-	-	-	-	-	-	-	-
Asosa	-	-	-	-	-	-	*	*	*	-	-	-
Kemeshi	-	-	-	-	-	-	-	-	-	-	-	-
Mao Komo	-	-	-	-	-	-	-	-	-	-	-	-
<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>Gambela Region</b>	-	-	-	-	-	-	-	-	-	-	-	-
Angnuwak	-	-	-	-	-	-	-	-	-	-	-	-
Nuware	-	-	-	-	-	-	-	-	-	-	-	-
Mezhenger	-	-	-	-	-	-	-	-	-	-	-	-
Itang Special	-	-	-	-	-	-	-	-	-	-	-	-
<b>Harari</b>	*	*	-	-	-	-	-	-	-	-	-	-
Hundene	*	*	-	-	-	-	-	-	-	-	-	-
<b>Dire Dawa</b>	*	*	*	-	-	-	335	*	167	-	-	-

## h. Poultry

Geographic Area	Total Number of Sales	Total Number of Slaughters	Total Number of Deaths	Offerings
<b>Ethiopia</b>	11,176,267	12,154,580	42,286,955	410,494
<b>Tigray</b>	1,297,581	2,145,591	2,653,012	57,487
North West Tigray	311,582	564,184	852,194	9,784
Central Tigray	360,255	598,233	621,438	15,234
Eastern Tigray	160,867	189,203	300,892	8,312
Southern Tigray	356,755	528,983	503,186	20,780
Western Tigray	108,123	264,988	375,302	*
<b>Afar</b>	*	*	*	*
Zone 1	-	-	-	-
Zone 3	*	*	*	*
<b>Amhara</b>	4,539,298	6,249,702	13,710,808	96,578
North Gondar	661,242	1,473,789	3,134,473	10,815
South Gondar	591,429	982,152	1,728,665	13,582
North Wolo	486,162	442,644	755,461	6,193
South Wolo	620,337	558,352	988,292	11,393
North Shewa	519,278	817,325	1,650,416	13,555
East Gojam	368,957	259,836	701,899	*
West Gojam	728,043	1,229,794	3,355,436	21,204
Waghamera	159,166	144,610	173,980	2,699
Awi	302,064	267,575	937,512	*
Oromia	95,332	67,411	266,747	*
Argoba Special	7,287	6,213	17,927	38
<b>Oromia</b>	3,525,750	2,404,841	14,500,277	124,486
West Wellega	225,559	198,041	1,769,176	4,870
East Wellega	143,860	172,061	875,415	9,624
Illubabor	164,115	170,346	1,050,148	6,476
Jimma	187,233	87,396	1,236,709	9,344
West Shewa	432,221	358,890	1,221,779	8,855
North Shewa	146,379	92,276	502,827	*
East Shewa	283,229	150,789	695,106	6,584
Arsi	440,753	334,795	1,175,811	10,124
West Harerghe	335,697	215,010	1,159,187	26,775
East Harerghe	217,005	44,023	866,368	14,332
Bale	136,286	55,622	467,795	4,914
Borena	79,761	32,097	203,912	1,409
South West Shewa	146,967	174,626	776,631	4,871
Guji	112,549	44,473	561,992	*
West Arsi	268,520	22,331	596,302	2,614
Kelem Wellega	81,296	91,852	852,428	6,744
Horoguduru Wellega	124,320	160,213	488,691	2,922

TABLE 3-20 – h CONT'D

Geographic Area	Total Number of Sales	Total Number of Slaughters	Total Number of Deaths	Offerings
<b>Somale</b>	8,234	4,253	57,601	743
Shinele	*	-	2,044	*
Jijiga	*	-	*	-
Liben	7,571	4,253	53,667	*
<b>Benshangul-Gumuz</b>	212,128	272,247	1,201,257	15,772
Metekel	103,817	177,732	604,983	2,183
Asosa	80,379	68,428	433,271	*
Kemeshi	20,316	19,064	88,982	*
Mao Komo	7,616	7,022	74,021	*
<b>SNNP</b>	1,502,502	1,020,741	9,724,494	105,810
Gurage	75,034	75,861	278,317	*
Hadiya	177,950	105,557	1,056,886	11,571
Kembata Tembaro	41,407	25,916	398,062	3,317
Sidama	337,192	109,059	951,537	*
Gedio	88,857	54,177	306,992	2,498
Wolayita	94,002	11,456	776,332	17,560
South Omo	37,576	56,452	450,127	4,387
Shaka	18,661	52,443	309,305	1,602
Kaffa	201,131	161,984	1,699,091	12,330
Gamo Gofa	72,659	45,450	938,498	8,681
Bench Maji	161,605	234,471	1,232,849	19,121
Yem Sp. Wereda	9,433	1,888	40,891	1,167
Amaro Sp. Wereda	10,659	7,086	79,909	-
Burji Sp. Wereda	2,504	1,656	19,703	*
Konso Sp. Wereda	6,287	642	67,864	*
Derashe Sp. Wereda	16,436	4,312	112,672	879
Dawro	41,753	5,885	259,896	2,360
Basketo Sp. Wereda	2,587	1,870	36,267	320
Konta Sp. Wereda	7,877	3,881	91,177	812
Silte	64,804	49,669	421,229	1,846
Alaba Sp. Wereda	34,090	11,025	196,889	*
<b>Gambela Region</b>	69,570	43,859	307,900	7,483
Angnuwak	18,445	14,177	97,100	976
Nuware	*	*	*	*
Mezhenger	13,400	19,663	112,337	662
Itang Special	19,892	9,026	43,706	5,815
<b>Harari</b>	7,271	340	29,667	837
Hundene	7,271	340	29,667	837
<b>Dire Dawa</b>	7,672	410	49,304	1,228

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>	7,447,238	10,676,783	1.857	6	4,057,998,244	365,939	235,249	4.266	15	262,821,534
<b>Tigray</b>	32,241	625,900	1.969	6	275,551,982	-	*	*	*	-
North West Tigray	5,456	173,817	1.411	6	45,680,834	-	*	-	-	-
Central Tigray	5,010	92,399	*	6	*	-	-	-	-	-
Eastern Tigray	3,897	68,885	1.433	6	22,138,743	-	*	*	*	-
Southern Tigray	16,755	126,906	1.194	6	30,196,920	-	-	*	*	-
Western Tigray	1,123	163,893	1.783	6	70,775,626	-	-	-	-	-
<b>Afar</b>	142,178	181,179	2.521	6	97,713,111	133,689	61,773	6.093	10	114,080,242
Zone 1	109,992	127,512	2.823	6	75,806,737	*	34,230	7.982	10	81,224,790
Zone 3	32,186	53,668	1.794	6	21,906,374	87,296	27,543	4.229	10	32,855,452
<b>Amhara</b>	607,209	2,155,132	1.298	6	534,890,207	-	*	*	-	-
North Gondar	229,187	461,387	1.352	6	121,227,585	-	-	-	-	-
South Gondar	59,528	277,879	1.157	6	64,816,956	-	-	-	-	-
North Wolo	22,217	187,476	1.486	6	49,964,058	-	-	*	-	-
South Wolo	61,533	290,003	1.713	6	85,609,314	-	-	-	-	-
North Shewa	54,733	156,151	1.324	6	39,055,736	-	*	-	-	-
East Gojam	65,878	216,725	0.971	6	41,582,953	-	-	-	-	-
West Gojam	40,726	281,700	0.979	6	58,953,909	-	-	-	-	-
Waghamera	24,887	63,060	1.279	6	15,935,666	-	-	-	-	-
Awi	30,563	150,807	1.38	6	42,128,472	-	-	-	-	-
Oromia	16,139	65,005	1.176	6	14,237,145	-	-	-	-	-
Argoba Special	1,818	4,940	1.347	5	1,378,413	-	-	-	-	-
<b>Oromia</b>	3,279,189	4,726,782	1.812	7	1,874,474,191	127,387	91,838	3.995	10	83,893,012
West Wellega	60,408	168,486	1.308	7	54,684,572	-	-	-	-	-
East Wellega	43,773	234,143	0.995	6	47,003,517	-	-	-	-	-
Illubabor	122,131	217,371	1.24	6	52,824,121	-	-	-	-	-
Jimma	456,893	470,851	1.146	6	106,713,896	-	-	-	-	-
West Shewa	267,727	416,079	1.318	6	113,918,670	-	-	*	-	-
North Shewa	207,185	271,385	1.625	7	100,328,108	-	*	-	-	-
East Shewa	133,966	160,488	1.192	7	41,547,412	*	*	*	*	*
Arsi	368,567	467,458	1.884	7	186,800,070	*	*	*	*	*
West Harerghe	156,269	241,930	1.516	6	67,571,774	*	19,158	4.505	9	16,098,134
East Harerghe	163,624	347,029	*	6	113,700,385	*	14,972	*	9	*
Bale	353,596	315,370	*	7	176,240,345	*	12,728	2.646	9	8,903,325
Borena	132,813	278,996	1.436	7	101,521,202	21,869	22,652	3.503	10	23,332,801
South West Shewa	116,826	158,784	1.194	7	42,929,608	-	-	-	-	-
Guji	245,158	343,578	1.442	7	107,109,576	*	*	3.734	12	3,249,239
West Arsi	418,924	425,958	1.561	7	141,950,051	-	-	-	-	-
Kelem Wellega	14,110	70,649	1.334	7	19,596,158	-	-	-	-	-
Horoguduru Wellega	17,217	138,229	2.059	8	*	-	*	-	-	-

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>	78,700	142,301	1.783	6	45,991,120	102,735	62,846	3.514	10	63,014,410
Shinele	2,233	2,697	1.71	5	801,805	4,980	3,174	2.706	9	2,358,653
Jijiga	35,094	55,476	1.963	5	16,403,425	16,915	11,673	2.688	8	6,915,188
Liben	41,374	84,128	1.596	7	28,785,890	80,839	47,999	3.89	11	53,740,568
<b>Benshangul-Gumuz</b>	8,045	102,032	1.256	6	28,042,182	-	-	-	-	-
Metekel	3,048	76,222	1.194	6	19,965,125	-	-	-	-	-
Asosa	2,127	14,177	1.22	7	3,541,569	-	-	-	-	-
Kemeshi	*	5,900	1.299	7	1,606,759	-	-	-	-	-
Mao Komo	739	5,734	1.949	8	2,928,729	-	-	-	-	-
<b>SNNP</b>	3,268,266	2,635,612	2.375	6	1,145,584,627	-	*	*	*	-
Gurage	382,958	282,649	1.675	6	80,561,671	-	-	-	-	-
Hadiya	230,558	186,396	1.186	7	44,828,878	-	-	-	-	-
Kembata Tembaro	102,109	86,843	1.367	6	24,541,447	-	-	-	-	-
Sidama	827,205	632,507	*	7	*	-	-	-	*	-
Gedio	33,551	27,021	1.168	5	4,832,700	-	-	-	-	-
Wolayita	238,222	209,679	1.434	7	64,008,453	-	-	-	-	-
South Omo	125,322	110,641	1.559	6	32,501,312	-	-	-	-	-
Shaka	36,268	39,510	1.618	6	12,169,302	-	*	-	-	-
Kaffa	226,057	225,461	1.442	5	58,689,210	-	-	-	-	-
Gamo Gofa	426,483	338,425	1.026	6	71,447,913	-	-	-	-	-
Bench Maji	119,607	113,512	1.528	6	32,971,120	-	-	-	-	-
Yem Sp. Wereda	12,205	10,978	0.963	6	2,312,039	-	-	-	-	-
Amaro Sp. Wereda	18,930	23,651	0.938	5	3,967,263	-	-	*	-	-
Burji Sp. Wereda	7,908	5,673	1.153	6	1,405,887	-	-	-	-	-
Konso Sp. Wereda	27,792	19,895	0.916	6	3,700,214	-	-	-	-	-
Derashe Sp. Wereda	10,607	7,638	1.038	7	1,842,037	-	-	-	-	-
Dawro	129,386	91,579	1.089	6	20,126,592	-	-	-	-	-
Basketo Sp. Wereda	11,046	8,529	1.024	6	1,902,124	-	-	-	-	-
Konta Sp. Wereda	31,330	24,078	1.025	6	4,612,283	-	-	-	-	-
Silte	213,646	152,505	1.157	7	36,774,816	-	-	-	-	-
Alaba Sp. Wereda	57,075	38,441	1.449	6	10,997,753	-	-	-	-	-
<b>Gambela Region</b>	23,346	85,525	2.116	7	48,449,284	-	-	-	-	-
Angnuwak	2,017	2,383	1.904	6	1,001,706	-	-	-	-	-
Nuware	14,786	70,515	2.327	8	42,975,573	-	-	-	-	-
Mezhenger	5,118	7,428	1.845	5	2,338,554	-	-	-	-	-
Itang Special	1,425	5,198	1.766	6	2,133,451	-	-	-	-	-
<b>Harari</b>	4,910	13,291	1.929	5	4,618,531	*	*	*	*	672,321
Hundene	4,910	13,291	1.929	5	4,618,531	*	*	*	*	672,321
<b>Dire Dawa</b>	3,154	9,030	1.731	5	2,683,008	1,454	1,131	3.743	9	1,161,549

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>	15,372,372	4	21	12	89,724,654
<b>Tigray</b>	1,102,744	5	22	13	8,411,891
North West Tigray	207,932	4	19	12	1,041,910
Central Tigray	293,931	5	22	13	2,192,528
Eastern Tigray	245,073	7	23	13	2,443,644
Southern Tigray	222,957	6	24	14	2,129,558
Western Tigray	132,852	4	20	11	604,251
<b>Afar</b>	14,913	5	23	13	113,378
Zone 1	14,913	5	23	13	113,378
Zone 3					
	4,325,524	4	22	12	27,691,877
<b>Amhara</b>	754,230	3	19	11	3,121,207
North Gondar	469,094	3	21	12	2,398,629
South Gondar	332,281	4	23	12	2,017,309
North Wolo	734,488	6	23	12	5,764,111
South Wolo	593,512	5	22	12	4,027,929
North Shewa	497,988	6	23	14	4,959,663
East Gojam	538,760	4	22	14	3,052,809
West Gojam	101,789	5	22	11	676,656
Waghamera	220,652	3	22	13	1,131,678
Awi	75,526	5	22	12	506,448
Oromia	7,205	4	20	11	35,440
Argoba Special					
	6,226,091	4	21	12	36,472,483
<b>Oromia</b>	334,364	3	19	10	1,251,937
West Wellega	268,053	3	20	11	896,270
East Wellega	319,916	3	19	11	1,141,803
Illubabor	625,043	3	19	11	2,466,777
Jimma	556,997	5	23	13	4,064,254
West Shewa	375,797	5	25	14	3,227,569
North Shewa	333,861	5	24	14	2,551,225
East Shewa	612,956	5	25	14	5,311,823
Arsi	467,135	4	20	11	2,201,836
West Harerghe	687,474	5	20	11	4,010,529
East Harerghe	235,271	5	24	14	1,735,982
Bale	185,950	3	18	12	781,396
Borena	304,936	5	23	13	1,997,752
South West Shewa	275,736	4	18	12	1,222,987
Guji	344,350	5	23	13	2,387,096
West arsi	169,163	3	19	11	686,326
Kelem Wellega	129,090	3	20	12	536,921
Horoguduru Wellega	15,372,372	4	21	12	89,724,654

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>	37,251	4	19	12	184,461
Shinele	1,312	5	18	11	6,708
Jijiga	3,779	8	16	11	31,579
Liben	32,160	4	19	12	146,174
<b>Benshangul-Gumuz</b>	252,256	3	18	11	1,104,400
Metekel	109,007	3	18	12	484,601
Asosa	99,674	3	19	11	450,326
Kemeshi	27,499	3	19	11	104,575
Mao Komo	16,076	3	17	11	64,898
<b>SNNP</b>	3,291,440	4	19	11	15,155,064
Gurage	279,113	4	22	12	1,509,095
Hadiya	232,307	3	20	12	1,109,108
Kembata Tembaro	103,190	4	19	11	487,649
Sidama	556,366	4	19	12	3,009,213
Gedio	102,345	3	19	11	534,933
Wolayita	235,143	3	18	10	824,561
South Omo	152,492	4	20	11	669,689
Shaka	62,412	3	18	11	257,578
Kaffa	338,130	3	17	10	1,288,906
Gamo Gofa	350,097	4	19	11	1,523,997
Bench Maji	230,146	4	19	12	1,193,131
Yem Sp. Wereda	19,581	4	21	11	99,853
Amaro Sp. Wereda	34,243	3	20	13	162,991
Burji Sp. Wereda	7,694	3	21	13	38,498
Konso Sp. Wereda	51,124	4	19	10	227,345
Derashe Sp. Wereda	37,477	4	18	11	187,093
Dawro	97,718	3	17	10	343,232
Basketo Sp. Wereda	14,727	3	20	12	65,497
Konta Sp. Wereda	34,141	3	17	9	94,559
Silte	285,873	3	21	12	1,225,842
Alaba Sp. Wereda	67,120	4	19	11	302,293
<b>Gambela Region</b>	70,328	3	19	12	332,256
Angnuwak	18,150	3	21	12	86,270
Nuware	24,256	3	17	12	113,369
Mezhenger	16,237	3	19	11	83,575
Itang Special	11,685	4	16	10	49,042
<b>Harari</b>	18,821	4	21	12	106,927
Hundene	18,821	4	21	12	106,927
<b>Dire Dawa</b>	33,003	4	19	10	151,917

## 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>	430,883	6	36	30	7,771,463
<b>Tigray</b>	92,378	5	26	20	1,259,777
North West Tigray	7,838	4	19	21	73,440
Central Tigray	38,367	5	29	19	523,576
Eastern Tigray	18,773	8	23	19	297,527
Southern Tigray	22,128	5	28	21	335,585
Western Tigray	*	*	*	*	*
<b>Afar</b>	*	*	*	*	*
Zone 1	-	-	-	-	-
Zone 3	*	*	*	*	*
<b>Amhara</b>	158,498	5	41	36	2,435,019
North Gondar	6,432	4	20	16	68,704
South Gondar	10,293	5	22	18	143,501
North Wolo	5,305	6	34	30	84,563
South Wolo	26,945	5	38	34	352,384
North Shewa	18,031	6	28	22	232,955
East Gojam	38,049	5	51	46	742,829
West Gojam	37,411	3	65	57	405,287
Waghamera	*	*	22	19	*
Awi	6,369	6	24	21	*
Oromia	1,714	*	30	22	*
Argoba Special	*	*	*	*	*
<b>Oromia</b>	145,129	7	35	27	2,722,229
West Wellega	2,095	5	20	17	17,019
East Wellega	*	*	*	*	*
Illubabor	9,833	4	23	19	73,548
Jimma	*	*	*	*	*
West Shewa	17,308	*	30	23	*
North Shewa	18,237	5	50	41	310,445
East Shewa	16,334	4	35	42	183,674
Arsi	25,884	7	26	23	452,526
West Harerghe	9,634	5	19	16	55,176
East Harerghe	*	5	24	19	*
Bale	9,070	6	24	22	*
Borena	-	*	*	*	*
South West Shewa	5,876	3	58	*	70,883
Guji	*	*	*	*	*
West Arsi	8,110	5	19	18	79,908
Kelem Wellega	*	*	*	*	*
Horoguduru Wellega	1,291	3	26	22	*

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>	*	4	22	17	6,462
Metekel	*	3	23	18	4,336
Asosa	*	*	*	*	*
Kemeshi	*	-	-	-	-
Mao komo	-	-	-	-	-
<b>SNNP</b>	32,122	5	40	36	*
Gurage	*	*	*	*	*
Hadiya	2,090	4	25	23	33,742
Kembata Tembaro	1,760	4	37	36	29,362
Sidama	8,193	4	49	42	118,563
Gedio	*	*	*	*	*
Wolayita	1,179	*	*	*	*
South Omo	*	*	*	*	*
Shaka	*	*	*	*	*
Kaffa	3,179	5	25	22	*
Gamo Gofa	273	*	*	*	*
Bench Maji	*	*	*	*	*
Yem Sp. Wereda	*	*	*	*	*
Amaro Sp. Wereda	*	3	*	*	*
Burji Sp. Wereda	*	*	26	23	*
Konso Sp. Wereda	*	*	*	*	*
Derashe Sp. Wereda	608	4	21	18	10,715
Dawro	1,350	*	28	23	*
Basketo Sp. Wereda	*	*	*	*	*
Konta Sp. Wereda	336	*	*	*	*
Silte	*	*	*	*	*
Alaba Sp. Wereda	*	*	*	*	*
<b>Gambela Region</b>	*	*	*	*	*
Angnuwak	*	*	*	*	*
Nuware	-	-	-	-	-
Mezhenger	*	*	*	*	*
Itang Special	-	-	-	-	-
<b>Harari</b>	345	*	*	*	*
Hundene	345	*	*	*	*
<b>Dire Dawa</b>	1,213	4	23	18	7,329

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>	90,087	1	105	74	804,935
<b>Tigray</b>	16,989	1	112	84	235,735
North West Tigray	*	1	*	*	*
Central Tigray	8,132	1	57	52	51,410
Eastern Tigray	*	1	*	52	16,728
Southern Tigray	4,634	1	172	142	*
Western Tigray	*	1	*	*	*
<b>Afar</b>	-	-	-	-	-
Zone 1	-	1	-	-	-
Zone 3	-	-	-	-	-
	37,688	1	126	82	394,492
<b>Amhara</b>	2,045	1	*	*	*
North Gonder	2,482	1	32	27	4,556
South Gonder	5,656	1	*	149	95,958
North Wolo	11,693	1	*	56	65,345
South Wolo	1,336	1	32	31	7,834
North Shewa	7,675	1	*	*	*
East Gojam	*	1	*	*	*
West Gojam	*	1	*	*	*
Waghamera	*	1	*	*	*
Awi	*	1	*	*	*
Oromia	*	1	*	*	*
Argoba Special	-	-	-	-	-
	19,805	1	64	46	76,120
<b>Oromia</b>	-	-	-	-	-
West Wellega	*	1	*	*	*
East Wellega	*	1	*	*	*
Illubabor	-	-	-	-	-
Jimma	2,027	1	*	*	*
West Shewa	2,170	1	30	29	8,763
North Shewa	*	1	*	*	*
East Shewa	*	1	*	*	*
Arsi	-	-	-	-	-
West Harerghe	*	1	*	*	*
East Harerghe	*	1	*	*	*
Bale	-	-	-	-	-
Borena	*	1	*	*	*
South West Shewa	-	1	-	-	-
Guji	*	1	*	*	*
West Arsi	-	-	-	-	-
Kelem Wellega	-	-	-	-	-
Horoguduru Wellega	90,087	1	105	74	804,935

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	-	-	-	-	-
Mao Komo	-	-	*	*	*
<b>SNNP</b>	13,139	-	88	70	91,105
Gurage	*	-	*	*	*
Hadiya	*	-	*	*	*
Kembata Tembaro	*	-	*	*	*
Sidama	*	-	*	*	*
Gedio	*	-	*	*	*
Wolayita	-	-	*	*	*
South Omo	*	-	*	*	*
Shaka	240	-	*	*	*
Kaffa	2,618	-	*	*	*
Gamo Gofa	1,085	-	*	*	*
Bench Maji	*	-	*	*	*
Yem Sp. Wereda	*	-	*	*	*
Amaro Sp. Wereda	-	-	-	-	-
Burji Sp. Wereda	-	-	-	-	-
Konso Sp. Wereda	*	-	*	*	*
Derashe Sp. Wereda	*	-	*	*	*
Dawro	-	-	*	*	*
Basketo Sp. Wereda	156	-	24	*	*
Konta Sp. Wereda	-	-	-	-	-
Silte	934	-	*	*	*
Alaba Sp. Wereda	*	-	*	*	*
<b>Gambela Region</b>	-	-	-	-	-
Angnuwak	-	-	-	-	-
Nuware	-	-	-	-	-
Mezhenger	-	-	-	-	-
Itang Special	-	-	-	-	-
<b>Harari</b>	*	-	*	*	*
Hundene	*	-	*	*	*
<b>Dire Dawa</b>	1,622	1	28	27	3,113

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>	17,374,674	4,937,871	5,853,944	1,804,092	3,031,224	1,747,542
<b>Tigray</b>	1,898,172	651,533	647,556	336,044	155,669	107,370
North West Tigray	428,129	137,528	100,267	33,138	60,089	97,106
Central Tigray	464,523	204,999	199,508	*	40,085	*
Eastern Tigray	273,585	93,490	112,684	39,605	*	*
Southern Tigray	409,805	147,750	146,401	90,741	*	*
Western Tigray	322,130	67,765	*	*	*	*
<b>Afar</b>	10,817	*	*	*	-	*
Zone 1	9,114	*	*	*	-	*
Zone 3	*	*	*	-	-	*
<b>Amhara</b>	2,640,357	1,212,105	671,137	317,952	95,133	344,030
North Gonder	270,677	153,594	*	*	*	*
South Gonder	227,343	*	*	*	*	*
North Wolo	254,903	87,151	113,482	5,768	34,132	*
South Wolo	278,178	158,474	101,494	*	*	*
North Shewa	371,700	126,463	172,707	*	*	20,926
East Gojam	667,501	346,596	140,008	*	*	*
West Gojam	320,221	147,069	*	*	-	*
Waghamera	56,132	38,469	*	*	-	*
Awi	104,399	*	62,651	*	*	*
Oromia	88,266	36,763	*	*	*	*
Argoba Special	1,036	410	528	-	-	*
<b>Oromia</b>	8,676,085	2,047,736	3,043,937	704,386	1,956,794	923,232
West Wellega	520,319	85,083	*	*	166,289	132,851
East Wellega	823,955	144,559	223,120	17,652	391,429	*
Illubabor	399,860	108,328	98,350	17,175	146,674	*
Jimma	679,223	114,441	137,895	*	226,494	157,550
West Shewa	542,675	116,520	282,330	*	119,124	*
North Shewa	277,051	110,026	117,313	*	*	*
East Shewa	604,086	215,086	266,882	*	*	60,465
Arsi	613,888	145,802	186,979	*	*	*
West Harerghe	569,486	166,311	223,262	*	135,727	*
East Harerghe	315,398	153,985	*	*	106,496	*
Bale	482,158	44,402	364,351	*	*	*
Borena	424,092	*	*	281,339	*	*
South West Shewa	712,672	159,970	229,602	48,715	91,481	182,903
Guji	552,235	*	379,412	*	*	*
West Arsi	750,921	267,847	356,072	*	109,675	*
Kelem Wellega	175,017	56,930	*	*	83,362	*
Horoguduru Wellega	233,050	69,538	12,069	*	124,770	*

TABLE 3-23 – a CONT'D

Geographic Area	Total Vaccinated	Vaccinated against:				
		Anthrax	Blackleg	Pleuro-Pneumonia	Hemorrhagic Septicemia	Others
<b>Somale</b>	118,162	*	*	89,152	*	*
Shinele	4,663	*	2,226	*	*	*
Jijiga	*	*	*	*	-	*
Liben	87,683	*	*	79,076	*	-
<b>Benshangul-Gumuz</b>	248,199	32,486	39,650	69,376	82,754	23,933
Metekel	173,786	24,363	*	52,096	48,156	*
Asosa	35,612	*	*	*	30,413	-
Kemeshi	9,720	2,495	*	*	*	*
Mao Komo	29,081	5,438	7,833	11,685	2,093	*
<b>SNNP</b>	3,714,305	964,308	1,422,168	262,763	732,109	332,956
Gurage	741,597	144,510	281,271	*	221,590	67,976
Hadiya	240,591	122,552	96,314	*	*	*
Kembata Tembaro	98,197	22,028	58,872	*	-	*
Sidama	670,860	89,742	245,067	*	245,532	*
Gedio	24,665	*	*	*	*	*
Wolayita	242,982	104,236	82,744	*	*	*
South Omo	173,152	38,378	95,930	18,033	*	*
Shaka	90,682	12,554	58,330	*	15,542	*
Kaffa	190,755	50,458	76,222	*	45,505	*
Gamo Gofa	352,032	*	182,554	61,822	*	*
Bench Maji	225,380	42,473	44,362	*	43,998	93,454
Yem Sp. Wereda	40,088	633	32,673	*	*	*
Amaro Sp. Wereda	50,423	8,426	9,653	*	*	*
Burji Sp. Wereda	21,375	*	-	21,119	-	-
Konso Sp. Wereda	45,987	*	26,290	*	*	-
Derashe Sp. Wereda	17,714	*	*	*	-	3,910
Dawro	53,819	20,568	14,555	15,426	*	*
Basketo Sp. Wereda	25,254	12,691	12,140	*	-	*
Konta Sp. Wereda	56,003	7,604	34,714	*	*	*
Silte	278,148	161,029	*	*	43,608	39,461
Alaba Sp. Wereda	74,602	39,983	13,605	*	-	-
<b>Gambela Region</b>	38,460	*	*	20,863	*	7,048
Angnuwak	9,491	*	*	2,875	*	*
Nuware	17,722	*	-	*	-	-
Mezhenger	9,105	*	*	5,589	*	2,890
Itang Special	2,142	-	*	*	-	-
<b>Harari</b>	20,024	4,525	4,651	-	7,120	3,729
Hundene	20,024	4,525	4,651	-	7,120	3,729
<b>Dire Dawa</b>	10,093	-	9,617	-	*	*

b. Sheep

Geographic Area	Total Vaccinated	Vaccinated against:				
		Anthrax	Blackleg	Pleuro-Pneumonia	Hemorrhagic Septicemia	Others
<b>Ethiopia</b>	3,023,407	344,489	304,057	809,948	851,347	713,565
<b>Tigray</b>	554,345	5,193	10,506	20,355	511,265	7,026
North West Tigray	22,149	*	*	*	11,859	*
Central Tigray	137,834	*	*	*	126,664	*
Eastern Tigray	295,411	-	-	*	286,855	-
Southern Tigray	44,375	*	*	*	33,995	*
Western Tigray	*	*	*	-	*	*
<b>Afar</b>	5,858	*	*	*	-	*
Zone 1	*	*	*	*	-	*
Zone 3	*	-	*	*	-	-
<b>Amhara</b>	1,322,892	160,260	106,486	460,016	96,661	499,469
North Gonder	22,108	*	*	-	-	18,078
South Gonder	71,120	*	*	56,480	*	*
North Wolo	101,731	7,651	*	*	*	37,862
South Wolo	272,548	*	*	132,334	*	96,320
North Shewa	361,251	*	14,024	*	*	174,304
East Gojam	313,497	64,393	56,127	64,941	*	116,785
West Gojam	105,747	20,652	-	*	*	33,907
Waghamera	32,859	*	-	*	-	*
Awi	26,632	-	20,861	-	-	*
Oromia	*	*	*	*	*	*
Argoba Special	-	-	-	-	-	-
<b>Oromia</b>	706,975	122,456	133,917	145,558	165,028	140,016
West Wellega	17,069	-	*	8,351	*	3,672
East Wellega	*	*	-	*	-	*
Illubabor	17,102	*	*	*	10,381	*
Jimma	*	*	*	-	*	*
West Shewa	34,924	-	*	*	*	*
North Shewa	106,521	*	*	-	32,353	*
East Shewa	28,653	*	*	*	*	*
Arsi	146,818	*	*	68,735	*	*
West Harerghe	35,970	*	*	-	18,603	*
East Harerghe	51,892	*	*	-	21,256	*
Bale	*	-	*	-	*	*
Borena	42,597	-	-	*	-	*
South West Shewa	24,761	*	*	*	*	*
Guji	*	*	*	*	-	*
West Arsi	*	*	*	*	*	*
Kelem Wellega	*	-	-	*	*	-
Horoguduru Wellega	5,643	-	*	*	*	*

TABLE 3-23 – b CONT'D

Geographic Area	Total Vaccinated	Vaccinated against:				
		Anthrax	Blackleg	Pleuro-Pneumonia	Hemorrhagic Septicemia	Others
<b>Somale</b>	159,580	*	*	88,344	*	*
Shinele	9,927	*	*	*	*	*
Jijiga	*	*	*	*	-	*
Liben	61,849	*	*	56,914	*	*
<b>Benshangul-Gumuz</b>	5,204	*	*	2,823	516	1,487
Metekel	*	-	-	*	-	*
Asosa	*	-	-	*	-	*
Kemeshi	306	-	-	*	-	*
Mao Komo	2,918	*	*	1,362	516	*
<b>SNNP</b>	237,172	28,154	23,246	90,154	66,737	28,881
Gurage	*	-	*	*	*	*
Hadiya	29,117	*	*	16,653	*	*
Kembata Tembaro	*	*	-	*	*	-
Sidama	22,571	*	*	*	*	*
Gedio	28,486	*	*	11,459	*	-
Wolayita	*	*	-	*	-	-
South Omo	3,328	-	-	3,328	-	-
Shaka	*	-	-	-	*	*
Kaffa	*	*	-	*	*	-
Gamo Gofa	*	-	*	*	-	*
Bench Maji	*	*	*	*	*	*
Yem Sp. Wereda	*	-	*	-	*	*
Amaro Sp. Wereda	*	*	*	*	-	*
Burji Sp. Wereda	*	-	*	*	-	-
Konso Sp. Wereda	*	-	-	7,175	-	*
Derashe Sp. Wereda	-	-	*	-	-	-
Dawro	*	*	926	*	*	*
Basketo Sp. Wereda	2,776	*	*	1,083	*	*
Konta Sp. Wereda	812	-	*	*	*	-
Silte	25,665	*	*	*	*	*
Alaba Sp. Wereda	29,196	*		16,119	12,076	
			*			*
<b>Gambela Region</b>	871	*	-	478	-	-
Angnuwak	*	*	*	-	-	-
Nuware	*	-	-	*	-	*
Mezhenger	795	*	*	418	-	*
Itang Special	-	-	-	-	-	-
<b>Harari</b>	*	*	*	-	*	*
Hundene	*	*	*	-	*	*
<b>Dire Dawa</b>	28,737	-	*	*	9,742	17,698

c. Goats

Geographic Area	Total Vaccinated	Vaccinated against:				
		Anthrax	Blackleg	Pleuro-Pneumonia	Hemorrhagic Septicemia	Others
<b>Ethiopia</b>	3,138,474	293,292	296,934	695,908	1,045,349	806,991
<b>Tigray</b>	974,798	36,603	47,765	36,385	804,331	49,713
North West Tigray	215,893	22,030	17,016	*	123,107	*
Central Tigray	337,379	*	*	*	294,495	*
Eastern Tigray	101,225	*	-	-	99,669	-
Southern Tigray	122,141	*	*	*	94,360	*
Western Tigray	*	*	*	*	*	-
<b>Afar</b>	10,536	*	*	3,907	*	*
Zone 1	3,261	*	*	*	-	*
Zone 3	*	-	*	*	*	*
<b>Amhara</b>	677,069	111,289	51,856	159,221	23,361	331,341
North Gonder	117,664	-	*	*	-	*
South Gonder	*	-	-	*	-	*
North Wolo	72,886	*	*	19,289	*	44,050
South Wolo	78,355	*	*	*	*	41,206
North Shewa	119,452	*	*	29,864	*	54,438
East Gojam	35,595	*	*	*	-	*
West Gojam	*	*	-	*	*	*
Waghamera	156,225	61,229	*	*	-	48,793
Awi	*	-	*	-	-	*
Oromia	*	*	*	*	*	*
Argoba Special	890	-	-	792	-	*
<b>Oromia</b>	864,481	97,315	136,210	209,900	135,544	285,512
West Wellega	*	-	*	4,058	-	*
East Wellega	*	*	-	*	*	*
Illubabor	*	*	-	-	*	*
Jimma	*	-	*	-	*	*
West Shewa	*	*	*	-	*	-
North Shewa	*	*	-	-	*	*
East Shewa	53,250	*	*	*	*	20,232
Arsi	87,733	*	*	*	*	*
West Harerghe	220,962	23,952	78,356	*	48,080	*
East Harerghe	62,608	24,465	*	*	*	*
Bale	*	-	*	*	*	*
Borena	151,522	*	*	75,623	-	*
South West Shewa	*	*	*	-	*	*
Guji	*	*	*	*	-	*
West Arsi	*	*	*	*	*	*
Kelem Wellega	*	-	-	*	-	-
Horoguduru Wellega	*	-	-	-	*	*

TABLE 3-23 – c CONT'D

Geographic Area	Total Vaccinated	Vaccinated against:				
		Anthrax	Blackleg	Pleuro-Pneumonia	Hemorrhagic Septicemia	Others
<b>Somale</b>	256,416	*	*	174,017	*	12,572
Shinele	38,952	*	*	8,738	*	*
Jijiga	*	*	*	*	-	*
Liben	145,272	*	*	139,120	*	*
<b>Benshangul-Gumuz</b>	18,020	*	*	13,946	*	2,386
Metekel	*	-	-	*	-	*
Asosa	8,007	-	*	*	-	*
Kemeshi	*	*	-	718	-	*
Mao Komo	2,649	*	*	1,292	*	*
<b>SNNP</b>	250,636	9,747	20,413	95,023	*	*
Gurage	*	-	*	*	*	*
Hadiya	11,874	*	*	*	*	*
Kembata Tembaro	2,454	*	*	*	-	*
Sidama	*	-	*	-	*	*
Gedio	*	-	*	-	-	-
Wolayita	*	*	*	-	-	-
South Omo	*	*	*	34,416	-	*
Shaka	*	-	*	-	-	-
Kaffa	-	-	-	-	-	-
Gamo Gofa	*	*	*	*	-	*
Bench Maji	*	-	*	-	*	*
Yem Sp. Wereda	739	-	*	*	*	*
Amaro Sp. Wereda	5,860	*	-	*	-	*
Burji Sp. Wereda	4,635	-	-	4,405	-	*
Konso Sp. Wereda	*	-	-	17,801	-	*
Derashe Sp. Wereda	*	-	-	*	-	*
Dawro	*	-	-	*	-	-
Basketo Sp. Wereda	1,966	*	739	*	-	-
Konta Sp. Wereda	*	*	*	*	-	*
Silte	14,495	*	-	*	*	*
Alaba Sp. Wereda	20,973	-	-	11,896	9,077	-
<b>Gambela Region</b>	1,614	-	-	*	*	*
Angnuwak	*	-	-	*	*	*
Nuware	*	-	-	*	-	*
Mezhenger	*	-	-	*	-	*
Itang Special	-	-	-	-	-	-
<b>Harari</b>	9,860	2,687	2,562	-	*	*
Hundene	9,860	2,687	2,562	-	*	*
<b>Dire Dawa</b>	75,043	-	*	*	23,628	46,585

d. Camels

Geographic Area	Total Vaccinated	Vaccinated against:				
		Anthrax	Blackleg	Pleuro-Pneumonia	Hemorrhagic Septicemia	Others
<b>Ethiopia</b>	-	-	-	-	-	-
<b>Tigray</b>	-	-	-	-	-	-
North West Tigray	-	-	-	-	-	-
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	-	-	-	-	-	-
Argoba Special	-	-	-	-	-	-
<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	-	-	-	-	-	-
West Arsi	-	-	-	-	-	-
Kelem Wellega	-	-	-	-	-	-
Horoguduru Wellega	-	-	-	-	-	-

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>	-	-	-	-	-	-
Metekel	-	-	-	-	-	-
Asosa	-	-	-	-	-	-
Kemeshi	-	-	-	-	-	-
Mao Komo	-	-	-	-	-	-
<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>Gambela Region</b>	-	-	-	-	-	-
Angnuwak	-	-	-	-	-	-
Nuware	-	-	-	-	-	-
Mezhenger	-	-	-	-	-	-
Itang Special	-	-	-	-	-	-
<b>Harari</b>	-	-	-	-	-	-
Hundene	-	-	-	-	-	-
<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>	8,960,286	6,647,823	5,411,326	1,132,386	76,567	23,999,966
<b>Tigray</b>	407,002	186,119	644,148	43,091	2,317	1,529,602
North West Tigray	134,509	10,568	204,060	7,513	1,589	544,258
Central Tigray	95,892	49,965	259,548	11,668	-	396,961
Eastern Tigray	23,435	66,597	20,274	3,151	-	159,722
Southern Tigray	74,663	38,584	66,407	16,161	*	139,622
Western Tigray	78,504	*	93,858	4,597	*	289,039
<b>Afar</b>	81,737	103,621	196,385	*	12,301	*
Zone 1	46,747	48,663	67,500	*	*	-
Zone 3	34,990	54,959	128,885	1,868	*	*
<b>Amhara</b>	1,710,085	2,713,760	1,581,341	326,613	4,399	8,042,210
North Gondar	262,074	296,889	312,793	35,962	-	2,192,514
South Gondar	180,987	329,872	193,157	34,959	-	1,071,677
North Wolo	93,695	194,558	157,715	14,108	*	303,862
South Wolo	159,953	469,911	185,288	35,417	*	438,643
North Shewa	149,544	492,363	264,518	33,770	*	1,079,426
East Gojam	261,441	431,347	140,547	75,444	-	307,683
West Gojam	326,336	296,799	91,140	49,777	-	1,843,943
Waghamera	40,667	59,874	166,969	7,817	-	85,140
Awi	201,563	130,742	28,932	37,779	-	579,995
Oromia	30,829	11,076	36,925	1,479	850	133,679
Argoba Special	2,997	330	3,357	101	97	5,649
<b>Oromia</b>	4,357,670	2,318,039	1,919,554	586,035	47,562	8,530,804
West Wellega	364,008	99,058	48,493	31,424	*	1,229,616
East Wellega	507,704	86,883	61,463	43,582	*	451,472
Illubabor	372,329	123,809	67,938	27,620	-	590,975
Jimma	455,822	188,121	80,123	46,776	*	584,158
West Shewa	310,130	380,302	84,065	57,609	-	894,199
North Shewa	161,648	360,298	41,148	27,025	-	436,199
East Shewa	139,735	61,136	81,052	21,510	*	530,864
Arsi	202,951	189,753	181,468	57,296	*	783,597
West Harerghe	208,103	37,009	343,549	27,306	8,072	557,252
East Harerghe	211,909	104,417	241,775	29,768	*	154,969
Bale	196,197	67,621	227,462	51,638	5,812	153,375
Borena	141,728	62,475	133,835	5,682	15,700	97,683
South West Shewa	166,162	106,997	53,085	31,444	-	624,028
Guji	164,983	104,747	131,483	31,244	-	238,177
Werst Arsi	286,651	199,955	45,365	42,748	*	337,724
Kelem Wellega	237,500	69,871	40,254	21,559	-	591,819
Horoguduru Wellega	230,111	75,587	56,994	31,803	-	274,697

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>	36,062	90,057	146,119	4,061	9,192	18,134
Shinele	3,600	20,260	44,084	1,318	1,487	*
Jijiga	10,043	*	36,477	*	*	*
Liben	22,419	31,231	65,559	2,449	4,041	17,581
<b>Benshangul-Gumuz</b>	299,142	50,874	262,298	33,682	-	884,256
Metekel	146,195	19,030	67,629	7,310	-	327,261
Asosa	108,929	18,788	159,400	19,468	-	443,312
Kemeshi	15,585	4,123	20,811	4,142	-	44,415
Mao Komo	28,433	8,933	14,458	2,762	-	69,268
<b>SNNP</b>	2,029,892	1,170,507	615,500	131,222	-	4,774,739
Gurage	128,821	69,772	29,824	9,511	-	190,170
Hadiya	87,731	62,270	36,673	12,975	-	548,397
Kembata Tembaro	43,446	28,691	7,721	2,986	-	154,580
Sidama	253,418	51,635	33,182	12,021	-	450,489
Gedio	24,799	75,070	1,986	7,986	-	177,075
Wolayita	197,618	37,315	19,826	6,318	-	393,802
South Omo	138,797	129,127	159,227	3,468	-	293,839
Shaka	21,651	17,318	3,018	1,351	-	132,173
Kaffa	181,644	179,651	52,032	23,548	-	738,893
Gamo Gofa	404,125	213,191	82,870	20,602	-	454,423
Bench Maji	115,659	73,474	16,609	6,456	-	507,350
Yem Sp. Wereda	15,262	8,291	4,146	699	-	19,442
Amaro Sp. Wereda	38,575	18,988	18,347	1,802	-	23,679
Burji Sp. Wereda	17,236	687	4,991	648	-	16,065
Konso Sp. Wereda	44,431	23,840	53,630	786	-	49,191
Derashe Sp. Wereda	17,444	7,231	15,459	2,424	-	74,128
Dawro	132,677	40,616	13,004	6,345	-	116,973
Basketo Sp. Wereda	10,839	4,472	3,261	422	-	34,167
Konta Sp. Wereda	46,635	8,388	9,963	807	-	58,677
Silte	79,277	98,881	38,954	5,677	-	232,859
Alaba Sp. Wereda	29,806	21,600	10,777	4,389	-	108,368
<b>Gambela Region</b>	29,862	5,806	12,547	*	-	171,154
Angnuwak	4,492	*	1,568	*	-	57,726
Nuware	18,772	3,173	10,070	*	-	*
Mezhenger	4,903	2,055	170	*	-	66,303
Itang Special	1,695	380	739	-	-	25,445
<b>Harari</b>	4,942	558	5,085	631	*	4,271
Hundene	4,942	558	5,085	631	*	4,271
<b>Dire Dawa</b>	3,890	8,481	28,350	611	745	10,952

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

Geographic Area	Cattle	Sheep	Goats	Draught Animals	Camels	Poultry
<b>Ethiopia</b>	5,105,865	2,110,925	1,201,102	510,791	14,596	1,303,781
<b>Tigray</b>	165,422	35,781	187,921	12,786	*	98,903
North West Tigray	37,634	*	43,543	2,346	*	30,459
Central Tigray	49,159	9,772	87,473	3,717	-	31,611
Eastern Tigray	10,197	9,733	*	*	-	10,695
Southern Tigray	31,009	*	*	4,887	*	*
Western Tigray	37,422	2,757	32,164	941	*	*
<b>Afar</b>	15,534	9,698	19,048	*	*	*
Zone 1	*	2,535	6,967	-	391	-
Zone 3	8,321	7,163	12,081	*	*	*
<b>Amhara</b>	899,175	1,133,105	293,854	139,154	3,399	347,131
North Gonder	110,966	*	38,141	10,893	-	9,488
South Gonder	68,150	91,214	18,097	7,103	-	*
North Wolo	30,570	78,685	43,156	2,929	*	8,615
South Wolo	73,093	188,304	51,150	11,165	*	15,192
North Shewa	76,761	265,734	57,548	14,344	*	80,287
East Gojam	165,580	217,881	15,410	45,942	-	27,583
West Gojam	227,181	160,486	19,380	27,056	-	93,589
Waghamera	7,526	8,936	40,414	1,706	-	*
Awi	133,014	73,708	7,885	17,885	-	75,542
Oromia	5,975	1,056	*	*	*	*
Argoba Special	359	*	301	*	*	396
<b>Oromia</b>	2,675,186	751,213	474,620	283,155	6,719	563,586
West Wellega	295,517	42,150	24,029	24,168	*	38,732
East Wellega	413,311	48,460	26,102	30,357	-	46,170
Illubabor	299,137	39,800	35,584	18,620	-	6,361
Jimma	206,437	13,179	5,722	11,374	-	*
West Shewa	153,247	97,322	5,106	29,872	-	105,897
North Shewa	72,886	167,371	*	11,470	-	19,986
East Shewa	86,349	18,939	19,362	9,279	*	23,094
Arsi	79,293	66,621	*	25,996	*	55,665
West Harerghe	65,814	8,314	81,198	6,867	*	*
East Harerghe	90,212	17,689	48,646	8,556	*	*
Bale	74,336	*	67,006	24,793	*	10,500
Borena	74,756	23,377	49,500	1,926	1,338	10,934
South West Shewa	113,332	24,367	5,265	11,697	-	56,376
Guji	*	*	*	*	-	2,329
West Arsi	193,783	72,080	12,100	24,526	*	63,095
Kelem Wellega	212,832	44,548	22,334	17,228	-	40,349
Horoguduru Wellega	176,422	35,514	*	19,183	-	34,184

TABLE 3-25 CONT'D

Geographic Area	Cattle	Sheep	Goats	Draught Animals	Camels	Poultry
<b>Somale</b>	8,087	10,122	13,783	785	*	*
Shinele	972	*	2,683	368	*	-
Jijiga	*	*	*	*	*	-
Liben	4,769	2,047	7,205	268	*	*
<b>Benshangul-Gumuz</b>	232,033	18,349	64,702	16,869	-	43,760
Metekel	104,428	6,562	5,225	3,560	-	15,144
Asosa	88,676	5,700	49,391	9,106	-	*
Kemeshi	13,192	531	4,069	2,065	-	3,019
Mao Komo	25,736	5,556	6,017	2,137	-	7,620
<b>SNNP</b>	1,100,134	151,159	140,723	57,287	-	246,407
Gurage	59,505	*	3,166	2,771	-	*
Hadiya	33,274	9,719	*	3,702	-	14,954
Kembata Tembaro	20,459	4,998	2,042	1,226	-	9,923
Sidama	132,844	13,374	7,467	8,209	-	*
Gedio	11,618	21,484	*	4,562	-	15,084
Wolayita	125,676	6,275	*	3,679	-	18,589
South Omo	45,910	6,922	43,723	664	-	4,446
Shaka	11,488	2,520	*	721	-	*
Kaffa	69,804	8,519	3,687	6,660	-	18,857
Gamo Gofa	263,390	13,042	25,766	9,935	-	15,873
Bench Maji	67,443	17,057	4,057	*	-	8,885
Yem Sp. Wereda	10,662	821	702	275	-	*
Amaro Sp. Wereda	21,620	*	*	*	-	*
Burji Sp. Wereda	10,855	*	1,259	326	-	*
Konso Sp. Wereda	22,617	5,285	11,726	*	-	*
Derashe Sp. Wereda	5,804	720	1,307	1,061	-	*
Dawro	87,844	8,530	2,512	3,909	-	*
Basketo Sp. Wereda	7,889	2,167	*	288	-	2,836
Konta Sp. Wereda	35,259	1,931	*	572	-	*
Silte	43,118	15,952	13,732	2,860	-	*
Alaba Sp. Wereda	13,056	4,886	*	1,878	-	*
<b>Gambela Region</b>	6,829	472	531	*	-	2,485
Angnuwak	3,206	*	*	*	-	*
Nuware	*	*	*	-	-	*
Mezhenger	2,828	362	*	*	-	*
Itang Special	*	-	*	-	-	*
<b>Harari</b>	2,526	*	2,266	*	-	*
Hundene	2,526	*	2,266	*	-	*
<b>Dire Dawa</b>	940	846	3,654	293	455	-

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>	3,454,537	5,102,945	4,201,064	175,275	366,931	25,513	39,254	23,220,733
<b>Tigray</b>	180,538	157,851	489,121	*	19,056	*	*	1,444,138
North West Tigray	71,622	10,332	171,886	*	3,796	-	*	508,025
Central Tigray	33,188	38,772	199,985	*	6,903	-	-	337,917
Eastern Tigray	8,726	57,813	21,394	-	1,479	-	-	155,019
Southern Tigray	38,195	33,793	43,613	*	4,704	*	*	177,546
Western Tigray	28,808	*	52,242	-	2,175	*	-	265,631
<b>Afar</b>	48,210	50,035	113,659	*	3,138	*	5,566	*
Zone 1	26,727	23,342	31,324	*	*	*	*	-
Zone 3	21,484	26,693	82,335	*	*	-	*	*
<b>Amhara</b>	641,994	2,051,246	1,288,841	31,618	133,864	7,642	2,142	8,115,898
North Gonder	135,075	266,148	249,755	3,665	17,291	*	-	2,140,827
South Gonder	89,046	295,301	176,664	*	16,716	*	*	1,112,082
North Wolo	42,447	144,016	122,483	*	8,697	*	*	339,775
South Wolo	67,562	279,782	136,635	*	15,979	*	-	423,447
North Shewa	62,172	344,819	242,627	3,215	17,528	*	*	1,089,947
East Gojam	73,250	341,611	115,320	5,113	23,052	*	-	317,138
West Gojam	88,397	237,456	71,899	7,232	16,414	1,972	-	1,915,666
Waghamera	29,635	46,222	125,284	*	4,403	*	-	77,236
Awi	36,384	89,614	20,827	6,273	13,233	*	-	565,132
Oromia	16,899	6,140	24,645	-	539	-	*	129,250
Argoba Special	1,127	136	2,703	*	*	-	*	5,397
<b>Oromia</b>	1,554,792	1,764,672	1,537,777	94,908	165,026	12,438	25,633	8,080,213
West Wellega	104,818	55,477	25,226	*	8,943	696	-	1,067,005
East Wellega	114,670	56,295	39,504	*	15,050	*	-	442,793
Illubabor	128,074	92,365	43,865	6,500	5,644	*	-	559,676
Jimma	174,108	153,064	72,948	11,349	12,341	1,835	*	561,559
West Shewa	88,504	305,356	67,414	14,507	5,844	*	-	852,465
North Shewa	67,814	247,564	33,542	1,712	7,817	*	-	410,213
East Shewa	48,116	48,606	64,510	*	9,807	-	*	495,885
Arsi	114,701	157,692	185,252	15,097	17,142	2,835	*	748,195
West Harerghe	122,409	29,582	301,517	*	13,741	*	4,959	495,922
East Harerghe	118,854	99,844	202,614	-	20,273	-	*	174,753
Bale	109,099	57,657	159,948	5,433	15,134	1,331	4,024	154,127
Borena	41,122	31,974	66,007	-	2,827	*	*	83,960
South West Shewa	49,035	101,693	52,949	7,174	7,570	*	-	649,837
Guji	83,786	89,689	120,628	14,566	2,416	*	-	265,269
West Arsi	76,349	148,181	35,723	10,857	7,058	*	-	341,557
Kelem Wellega	59,086	40,889	25,239	931	6,477	*	-	505,702
Horoguduru Wellega	54,247	48,743	40,891	3,948	6,942	*	-	271,295

TABLE 3-26 – a CONT'D

Geographic Area	Cattle	Sheep	Goats	Horses	Donkeys	Mules	Camels	Poultry
<b>Somale</b>	21,288	55,755	94,050	-	1,929	-	3,463	13,873
Shinele	2,305	13,653	29,938	-	813	-	693	*
Jijiga	4,571	*	*	-	*	-	*	*
Liben	14,413	21,667	41,470	-	970	-	2,333	13,263
<b>Benshangul-Gumuz</b>	135,252	37,149	210,684	5,509	18,324	*	*	775,703
Metekel	47,217	12,736	58,914	*	2,507	*	-	295,531
Asosa	61,979	14,253	123,374	*	11,093	-	*	379,824
Kemeshi	4,722	2,904	16,258	*	2,738	*	-	41,634
Mao Komo	21,334	7,256	12,139	-	1,987	*	-	58,714
<b>SNNP</b>	848,241	975,300	431,645	36,312	24,505	4,614	-	4,571,695
Gurage	65,163	61,143	26,997	2,532	2,784	*	-	164,603
Hadiya	41,352	57,833	34,191	2,331	3,778	*	-	548,827
Kembata Tembaro	23,681	23,519	6,803	*	1,222	-	-	160,296
Sidama	128,203	44,540	25,080	*	*	-	-	417,668
Gedio	10,029	52,442	*	*	*	*	-	149,656
Wolayita	69,001	27,897	14,739	-	3,337	-	-	389,225
South Omo	75,205	92,813	97,146	*	*	*	-	257,211
Shaka	11,108	15,056	2,705	*	-	*	-	132,697
Kaffa	93,084	167,834	44,593	12,212	*	*	-	685,038
Gamo Gofa	117,357	176,866	53,807	5,171	4,201	1,102	-	405,045
Bench Maji	50,921	67,640	12,507	3,391	-	*	-	562,824
Yem Sp. Wereda	4,363	7,591	4,151	*	272	*	-	19,617
Amaro Sp. Wereda	14,410	16,210	12,688	*	*	*	-	19,157
Burji Sp. Wereda	4,563	527	2,823	*	179	-	-	14,355
Konso Sp. Wereda	15,580	11,883	23,542	-	*	-	-	41,222
Derashe Sp. Wereda	7,578	6,193	11,568	*	600	-	-	68,856
Dawro	41,946	32,092	10,362	629	376	755	-	110,185
Basketo Sp. Wereda	4,314	3,093	2,087	*	*	*	-	32,190
Konta Sp. Wereda	19,029	6,795	6,579	*	*	*	-	49,458
Silte	33,715	84,134	28,306	*	1,631	*	-	237,954
Alaba Sp. Wereda	17,636	19,197	9,932	*	1,624	-	-	105,611
<b>Gambela Region</b>	20,004	4,343	10,570	*	*	*	-	169,521
Angnuwak	1,768	-	1,382	-	*	*	-	57,352
Nuware	15,501	2,695	8,399	-	-	-	-	*
Mezhenger	1,248	1,382	169	*	-	-	-	64,864
Itang Special	1,487	266	619	-	-	-	-	25,161
<b>Harari</b>	2,076	337	2,890	*	365	-	-	4,308
Hundene	2,076	337	2,890	*	365	-	-	4,308
<b>Dire Dawa</b>	2,140	6,256	21,827	-	194	-	202	9,123

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>	638,449	624,173	924,565	25,411	76,859	2,572	12,166	19,066,223
<b>Tigray</b>	71,528	58,315	135,804	*	8,747	*	2,772	1,208,874
North West Tigray	25,358	4,310	40,627	*	949	-	-	344,169
Central Tigray	11,336	14,324	32,019	*	*	-	-	283,521
Eastern Tigray	4,734	18,287	6,426	-	1,185	-	-	145,873
Southern Tigray	11,448	17,461	26,979	-	4,908	*	2,088	325,640
Western Tigray	18,652	*	29,753	-	*	-	*	109,671
<b>Afar</b>	7,577	17,926	40,338	*	*	*	433	16,375
Zone 1	4,029	10,133	11,532	-	-	*	*	-
Zone 3	*	7,793	28,806	*	*	-	*	16,375
<b>Amhara</b>	181,907	199,386	243,103	7,584	36,564	*	*	5,594,910
North Gonder	36,198	37,317	55,004	*	5,915	-	-	993,647
South Gonder	14,553	23,361	9,520	*	4,078	*	-	616,584
North Wolo	14,052	10,294	30,957	-	2,340	-	*	415,686
South Wolo	25,536	31,427	37,103	*	4,269	-	*	564,845
North Shewa	27,842	38,412	49,028	*	8,035	-	*	560,470
East Gojam	25,167	15,455	21,903	*	6,414	-	-	384,760
West Gojam	14,766	24,406	8,009	-	2,298	*	-	1,439,770
Waghamera	9,625	7,544	21,692	*	1,829	*	-	96,743
Awi	10,571	6,592	4,119	*	1,089	-	-	372,380
Oromia	3,053	*	5,042	-	*	*	*	137,496
Argoba Special	545	*	727	-	86	-	-	12,530
<b>Oromia</b>	251,037	215,386	367,460	12,237	24,903	*	*	6,420,065
West Wellega	14,589	14,816	9,831	-	*	-	-	702,171
East Wellega	12,590	9,260	5,255	-	834	-	-	432,621
Illubabor	7,498	7,659	1,571	*	*	-	-	490,472
Jimma	21,379	30,760	18,200	*	-	-	-	675,150
West Shewa	20,152	15,072	4,574	2,799	*	-	-	369,314
North Shewa	14,806	8,002	*	*	2,040	-	-	92,614
East Shewa	15,248	16,919	19,614	*	2,791	-	-	199,221
Arsi	23,295	29,539	61,052	*	3,653	-	*	427,617
West Harerghe	17,941	11,434	51,040	*	2,343	-	*	663,265
East Harerghe	23,390	14,908	66,854	*	*	-	*	691,615
Bale	19,614	16,653	56,719	*	3,056	*	*	313,667
Borena	4,440	5,324	11,728	-	*	-	*	119,952
South West Shewa	7,670	4,522	15,550	*	*	-	-	126,794
Guji	12,299	*	*	*	1,097	-	-	296,723
West Arsi	*	9,598	5,610	*	*	-	-	254,746
Kelem Wellega	4,552	4,372	3,326	-	-	-	-	346,726
Horoguduru Wellega	16,715	8,113	7,178	-	*	-	-	217,396

TABLE 3-26 – b CONT'D

Geographic Area	Cattle	Sheep	Goats	Horses	Donkeys	Mules	Camels	Poultry
<b>Somale</b>	14,381	20,314	33,733	*	1,064	-	1,914	43,728
Shinele	*	6,006	15,588	-	*	-	369	1,728
Jijiga	*	*	5,927	*	*	-	*	*
Liben	8,936	5,498	12,218	-	*	-	*	40,404
<b>Benshangul-Gumuz</b>	7,557	3,595	27,223	-	1,613	-	-	425,554
Metekel	6,286	2,259	*	-	*	-	-	309,452
Asosa	647	*	*	-	*	-	-	53,446
Kemeshi	214	535	3,279	-	*	-	-	47,348
Mao Komo	409	432	456	-	*	-	-	15,308
<b>SNNP</b>	91,813	104,791	66,367	2,431	3,265	*	*	5,152,799
Gurage	13,033	11,762	5,657	-	*	-	*	113,714
Hadiya	4,150	4,453	*	*	936	-	-	508,059
Kembata Tembaro	1,868	2,150	976	*	-	-	-	237,766
Sidama	5,156	*	*	-	-	-	-	533,869
Gedio	*	5,639	*	*	-	-	-	157,336
Wolayita	4,737	4,409	*	-	*	-	-	387,108
South Omo	3,254	5,861	3,803	*	*	-	-	192,916
Shaka	763	2,887	580	*	-	-	-	176,608
Kaffa	7,744	16,842	6,351	1,110	-	-	-	1,014,053
Gamo Gofa	20,803	*	7,963	*	*	-	-	533,453
Bench Maji	6,104	8,093	*	*	-	-	-	670,024
Yem Sp. Wereda	418	458	640	-	-	-	-	21,274
Amaro Sp. Wereda	1,956	*	4,841	-	-	-	-	60,753
Burji Sp. Wereda	313	*	1,163	*	-	-	-	5,348
Konso Sp. Wereda	*	*	831	-	*	-	-	26,642
Derashe Sp. Wereda	716	*	1,306	*	*	-	-	43,816
Dawro	4,961	3,911	*	-	-	*	-	149,712
Basketo Sp. Wereda	539	*	*	-	-	-	-	4,077
Konta Sp. Wereda	716	876	*	-	-	-	-	41,719
Silte	6,789	6,933	6,404	*	-	-	-	183,275
Alaba Sp. Wereda	1,491	1,158	1,226	-	-	-	-	91,279
<b>Gambela Region</b>	10,988	944	1,486	-	-	-	-	138,379
Angnuwak	141	-	*	-	-	-	-	39,748
Nuware	*	*	*	-	-	-	-	*
Mezhenger	106	407	-	-	-	-	-	47,474
Itang Special	*	*	162	-	-	-	-	18,545
<b>Harari</b>	593	*	1,020	-	*	-	-	25,358
Hundene	593	*	1,020	-	*	-	-	25,358
<b>Dire Dawa</b>	1,068	3,464	8,031	-	292	-	*	40,181

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

Geographic Area	Holdings with no cattle	1-2 Head	3-4 Head	5-9 Head	10-19 Head	20-49 Head	50-99 Head	100-199 Head	>=200 Head
<b>Ethiopia</b>	3,053,376	4,087,174	3,941,672	3,103,524	755,661	134,639	9,986	1,613	212
<b>Tigray</b>	208,102	252,918	285,159	193,244	42,755	15,083	1,681	-	-
North West Tigray	22,431	27,894	37,974	52,677	23,567	5,985	186	-	-
Central Tigray	59,009	89,569	98,578	38,313	968	623	-	-	-
Eastern Tigray	51,731	50,609	59,386	20,302	406	-	-	-	-
Southern Tigray	60,065	74,065	71,612	54,359	1,345	-	-	-	-
Western Tigray	14,863	10,781	17,609	27,593	16,470	8,476	1,495	-	-
<b>Afar</b>	26,301	7,197	9,066	16,314	20,779	13,040	1,568	-	-
Zone 1	17,146	2,412	3,869	11,004	14,350	8,274	844	-	-
Zone 3	9,157	4,784	5,196	5,309	6,429	4,766	725	-	-
<b>Amhara</b>	797,759	1,257,525	1,217,355	812,800	145,201	13,254	972	-	-
North Gonder	133,117	161,152	136,141	138,835	48,980	7,739	401	-	-
South Gonder	80,553	203,740	209,640	97,427	8,778	784	-	-	-
North Wolo	66,719	109,698	115,315	54,163	2,840	-	-	-	-
South Wolo	116,931	205,755	244,601	82,074	775	819	-	-	-
North Shewa	106,256	150,246	125,834	78,780	6,321	334	334	-	-
East Gojam	111,568	186,091	139,029	106,679	22,292	1,085	-	-	-
West Gojam	83,087	138,889	149,521	149,359	29,936	-	-	-	-
Waghamera	18,249	30,070	25,305	20,725	4,748	443	224	-	-
Awi	56,133	46,317	48,285	62,388	16,231	1,442	-	-	-
Oromia	23,684	23,679	21,184	20,848	3,842	596	-	-	-
Argoba Special	1,464	1,886	2,501	1,522	457	12	13	-	-
<b>Oromia</b>	1,136,946	1,371,806	1,352,099	1,374,466	433,608	67,432	1,703	368	-
West Wellega	103,041	49,834	40,840	50,445	23,180	2,744	176	-	-
East Wellega	46,783	41,139	44,776	66,847	27,582	7,303	-	-	-
Illubabor	69,324	63,987	54,230	65,559	20,991	1,809	-	-	-
Jimma	84,976	130,977	169,509	183,740	27,227	1,426	-	-	-
West Shewa	105,517	98,788	93,654	118,475	49,459	7,532	-	-	-
North Shewa	54,614	63,888	80,134	101,130	26,738	1,541	-	-	-
East Shewa	71,919	66,771	61,830	56,436	19,659	3,947	-	-	-
Arsi	76,363	100,591	141,179	153,940	55,920	5,198	-	-	-
West Harerghe	58,054	139,953	113,773	69,587	10,563	1,065	-	-	-
East Harerghe	86,170	255,513	173,897	61,740	3,131	628	-	-	-
Bale	44,419	53,674	74,683	100,610	33,241	3,380	126	-	-
Borena	45,817	36,563	35,105	47,142	21,350	10,470	792	133	-
South West Shewa	51,328	73,237	74,630	72,594	14,976	229	-	-	-
Guji	63,402	48,525	50,087	71,205	37,643	8,911	219	235	-
West Arsi	84,267	85,266	88,730	101,062	37,626	5,993	-	-	-
Kelem Wellega	62,104	42,262	33,087	25,789	5,443	294	-	-	-
Horoguduru Wellega	28,849	20,837	21,954	28,167	18,879	4,962	390	-	-

TABLE 3- 27-a CONT'D

Geographic Area	Holdings with no cattle	1-2 Head	3-4 Head	5-9 Head	10-19 Head	20-49 Head	50-99 Head	100-199 Head	>=200 Head
<b>Somale</b>	40,904	20,111	20,765	27,607	16,267	4,003	385		
Shinele	7,463	2,535	1,197	756	181	26	-	-	-
Jijiga	15,943	11,249	13,196	15,609	6,123	363	-	-	-
Liben	17,496	6,327	6,372	11,242	9,963	3,615	385	-	-
<b>Benshangul-Gumuz</b>	109,614	31,718	20,768	22,520	11,129	2,648	427	-	-
Metekel	28,067	14,524	12,224	17,545	10,035	2,484	427	-	-
Asosa	57,394	11,046	5,702	2,717	475	92	-	-	-
Kemeshi	16,150	3,472	1,599	1,416	496	71	-	-	-
Mao Komo	8,005	2,676	1,244	841	123	-	-	-	-
<b>SNNP</b>	703,767	1,121,183	1,021,126	649,421	81,343	14,943	2,861	1,202	212
Gurage	37,860	79,368	118,807	86,714	7,770	1,474	-	-	-
Hadiya	30,266	84,897	86,965	45,712	4,592	-	-	-	-
Kembata Tembaro	9,857	43,723	44,943	16,396	222	-	-	-	-
Sidama	151,879	305,998	210,369	96,583	13,071	3,967	-	-	-
Gedio	150,984	55,882	13,760	3,316	585	-	250	-	-
Wolayita	49,056	132,446	109,506	30,997	1,202	-	-	-	-
South Omo	38,716	26,325	17,977	20,590	12,212	4,548	2,330	1,202	212
Shaka	14,093	12,090	10,286	7,504	2,092	-	61	-	-
Kaffa	30,434	40,040	61,988	70,216	14,460	1,138	201	-	-
Gamo Gofa	60,176	140,196	129,629	99,018	9,587	1,889	-	-	-
Bench Maji	33,008	43,305	39,546	34,296	4,826	292	-	-	-
Yem Sp. Wereda	2,942	4,933	6,317	5,574	423	-	-	-	-
Amaro Sp. Wereda	7,937	11,699	10,027	8,783	1,378	251	-	-	-
Burji Sp. Wereda	1,878	2,459	2,279	2,618	798	222	19	-	-
Konso Sp. Wereda	15,277	14,643	9,648	7,741	1,313	630	-	-	-
Derashe Sp. Wereda	13,622	6,615	5,384	4,751	853	152	-	-	-
Dawro	11,823	18,031	26,320	35,012	2,919	380	-	-	-
Basketo Sp. Wereda	3,970	5,860	4,635	2,318	132	-	-	-	-
Konta Sp. Wereda	3,768	6,956	9,017	9,561	476	-	-	-	-
Silte	28,778	68,438	85,851	46,979	1,445	-	-	-	-
Alaba Sp. Wereda	7,438	17,279	17,873	14,744	987	-	-	-	-
<b>Gambela Region</b>	20,321	6,671	4,132	3,298	4,090	4,210	388	43	-
Angnuwak	8,062	1,353	671	665	217	25	11	-	-
Nuware	934	258	811	1,852	3,475	3,852	264	27	-
Mezhenger	6,733	4,745	2,507	586	19	-	-	-	-
Itang Special	4,590	315	143	195	380	333	113	16	-
<b>Harari</b>	3,711	7,514	6,029	2,463	401	26	-	-	-
Hundene	3,711	7,514	6,029	2,463	401	26	-	-	-
<b>Dire Dawa</b>	5,953	10,531	5,172	1,391	88	-	-	-	-

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

Geographic Area	Holdings with no Sheep	1-4 Head	5-9 Head	10-49 Head	50-99 Head	100-199 Head	200-499 Head	>=500 Head
<b>Ethiopia</b>	9,813,701	3,441,077	1,281,789	540,231	9,532	1,259	268	
<b>Tigray</b>	806,496	84,403	71,071	36,459	513	-	-	-
North West Tigray	159,722	4,077	5,117	1,798	-	-	-	-
Central Tigray	233,647	29,052	18,702	5,659	-	-	-	-
Eastern Tigray	105,895	26,909	31,301	18,329	-	-	-	-
Southern Tigray	219,960	20,113	12,835	8,538	-	-	-	-
Western Tigray	87,270	4,252	3,117	2,135	513	-	-	-
<b>Afar</b>	37,016	9,310	11,171	34,461	1,936	281	90	-
Zone 1	20,393	4,578	6,646	24,672	1,385	225	-	-
Zone 3	16,622	4,732	4,524	9,790	551	57	90	-
<b>Amhara</b>	2,726,376	806,041	482,676	228,527	1,246	-	-	-
North Gonder	499,807	67,846	41,686	17,026	-	-	-	-
South Gonder	381,992	139,371	66,187	13,372	-	-	-	-
North Wolo	244,087	45,256	30,772	28,620	-	-	-	-
South Wolo	375,188	104,470	99,945	71,352	-	-	-	-
North Shewa	286,760	70,712	53,463	56,029	1,141	-	-	-
East Gojam	317,792	140,852	87,198	20,902	-	-	-	-
West Gojam	332,179	153,050	54,858	10,705	-	-	-	-
Waghamera	72,817	14,586	7,790	4,466	105	-	-	-
Awi	133,427	56,839	36,743	3,787	-	-	-	-
Oromia	75,347	12,344	3,900	2,242	-	-	-	-
Argoba Special	6,980	716	135	24	-	-	-	-
<b>Oromia</b>	3,711,733	1,388,335	475,008	163,060	292	-	-	-
West Wellega	193,971	58,717	14,779	2,793	-	-	-	-
East Wellega	163,976	50,619	18,062	1,773	-	-	-	-
Illubabor	160,256	90,659	22,286	2,699	-	-	-	-
Jimma	325,105	227,614	41,912	3,224	-	-	-	-
West Shewa	292,815	105,277	54,918	20,415	-	-	-	-
North Shewa	182,618	62,190	54,234	29,003	-	-	-	-
East Shewa	214,742	39,937	19,434	6,282	167	-	-	-
Arsi	300,996	122,594	71,028	38,573	-	-	-	-
West Harerghe	322,004	62,079	8,573	339	-	-	-	-
East Harerghe	402,913	155,875	18,526	3,765	-	-	-	-
Bale	254,364	32,107	13,489	10,047	126	-	-	-
Borena	133,402	41,944	16,693	5,333	-	-	-	-
South West Shewa	203,620	64,223	14,218	4,933	-	-	-	-
Guji	144,358	91,214	34,593	10,062	-	-	-	-
West Arsi	229,372	109,141	45,160	19,271	-	-	-	-
Kelem Wellega	114,287	39,332	13,646	1,714	-	-	-	-
Horoguduru Wellega	72,932	34,813	13,456	2,837	-	-	-	-

TABLE 3-27 - b CONT'D

Geographic Area	Holdings with no Sheep	1-4 Head	5-9 Head	10-49 Head	50-99 Head	100-199 Head	200-499 Head	>=500 Head
<b>Somale</b>	58,031	17,149	18,630	32,360	3,146	653	73	
Shinele	5,227	2,965	1,557	2,170	239	-	-	
Jijiga	30,663	5,084	5,760	17,574	2,676	653	73	
Liben	22,141	9,100	11,313	12,616	230	-	-	
<b>Benshangul-Gumuz</b>	171,716	19,377	6,296	1,435	-	-	-	
Metekel	70,068	10,493	3,647	1,098	-	-	-	
Asosa	72,178	3,949	1,085	214	-	-	-	
Kemeshi	19,695	2,567	901	41	-	-	-	
Mao Komo	9,777	2,367	663	82	-	-	-	
<b>SNNP</b>	2,239,000	1,100,879	211,706	41,696	2,346	325	106	
Gurage	207,600	99,209	22,994	2,190	-	-	-	
Hadiya	153,769	88,563	9,861	239	-	-	-	
Kembata Tembaro	67,068	44,830	2,923	320	-	-	-	
Sidama	624,506	144,450	10,700	1,638	573	-	-	
Gedio	146,012	66,674	10,965	1,126	-	-	-	
Wolayita	211,782	109,081	2,344	-	-	-	-	
South Omo	65,134	28,133	17,662	10,979	1,773	325	106	
Shaka	29,909	12,433	3,476	308	-	-	-	
Kaffa	89,043	99,669	26,520	3,245	-	-	-	
Gamo Gofa	261,810	115,771	47,318	15,596	-	-	-	
Bench Maji	77,181	66,005	10,939	1,148	-	-	-	
Yem Sp. Wereda	10,613	8,130	1,415	31	-	-	-	
Amaro Sp. Wereda	25,905	9,589	3,579	1,002	-	-	-	
Burji Sp. Wereda	9,528	632	113	-	-	-	-	
Konso Sp. Wereda	19,756	22,181	6,084	1,231	-	-	-	
Derashe Sp. Wereda	23,007	6,309	1,768	293	-	-	-	
Dawro	51,205	38,187	4,907	186	-	-	-	
Basketo Sp. Wereda	9,794	6,314	756	51	-	-	-	
Konta Sp. Wereda	19,470	9,017	1,291	-	-	-	-	
Silte	105,945	102,192	21,432	1,922	-	-	-	
Alaba Sp. Wereda	29,966	23,510	4,656	189	-	-	-	
<b>Gambela Region</b>	35,426	5,072	1,783	856	16	-	-	
Angnuwak	10,644	301	59	-	-	-	-	
Nuware	8,166	1,366	1,240	701	-	-	-	
Mezhenger	10,925	3,292	346	27	-	-	-	
Itang Special	5,692	113	137	127	16	-	-	
<b>Harari</b>	17,996	1,925	168	55	-	-	-	
Hundene	17,996	1,925	168	55	-	-	-	
<b>Dire Dawa</b>	9,910	8,586	3,282	1,321	36	-	-	

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

Geographic Area	Holdings with no Goats	1-4 Head	5-9 Head	10-49 Head	50-99 Head	100-199 Head	200-499 Head	>=500 Head
<b>Ethiopia</b>	11,094,977	2,444,012	998,763	526,862	19,848	2,782	613	
<b>Tigray</b>	664,060	103,932	125,482	100,966	4,191	311	-	-
North West Tigray	83,165	24,250	27,607	34,775	917	-	-	-
Central Tigray	163,218	41,326	52,467	28,924	814	311	-	-
Eastern Tigray	151,498	9,084	12,621	9,231	-	-	-	-
Southern Tigray	210,628	17,163	19,301	14,354	-	-	-	-
Western Tigray	55,548	12,110	13,486	13,682	2,461	-	-	-
<b>Afar</b>	22,527	6,778	9,457	48,286	6,277	745	195	-
Zone 1	12,014	3,238	6,711	31,622	4,232	-	82	-
Zone 3	10,513	3,540	2,746	16,664	2,045	745	113	-
<b>Amhara</b>	3,242,392	584,661	296,043	120,808	857	105	-	-
North Gonder	443,389	88,623	59,166	35,187	-	-	-	-
South Gonder	480,479	75,228	30,809	14,406	-	-	-	-
North Wolo	232,132	66,944	36,673	12,986	-	-	-	-
South Wolo	458,609	133,787	49,522	9,037	-	-	-	-
North Shewa	325,542	89,400	39,034	14,129	-	-	-	-
East Gojam	487,449	44,356	27,787	7,152	-	-	-	-
West Gojam	494,172	34,035	18,314	4,271	-	-	-	-
Waghamera	51,686	17,286	15,431	14,658	598	105	-	-
Awi	202,111	16,915	9,274	2,496	-	-	-	-
Oromia	62,697	16,143	8,911	5,823	259	-	-	-
Argoba Special	4,126	1,946	1,121	662	-	-	-	-
<b>Oromia</b>	4,106,400	1,082,752	399,550	148,250	1,476	-	-	-
West Wellega	239,208	20,279	9,963	810	-	-	-	-
East Wellega	187,928	32,955	11,213	2,334	-	-	-	-
Illubabor	221,405	42,030	11,276	1,189	-	-	-	-
Jimma	489,704	88,553	18,964	634	-	-	-	-
West Shewa	404,813	42,390	20,073	6,149	-	-	-	-
North Shewa	278,209	30,164	15,936	3,736	-	-	-	-
East Shewa	201,864	40,725	25,617	12,189	167	-	-	-
Arsi	412,131	72,934	30,347	17,448	331	-	-	-
West Harerghe	180,250	152,540	42,978	16,881	346	-	-	-
East Harerghe	242,545	257,692	67,929	12,913	-	-	-	-
Bale	186,933	68,474	33,419	21,307	-	-	-	-
Borena	102,226	38,199	29,459	26,856	632	-	-	-
South West Shewa	218,668	46,875	18,264	3,187	-	-	-	-
Guji	191,788	46,014	28,367	14,058	-	-	-	-
West Arsi	311,570	67,368	18,342	5,664	-	-	-	-
Kelem Wellega	144,537	17,891	6,397	154	-	-	-	-
Horoguduru Wellega	92,619	17,672	11,005	2,742	-	-	-	-

TABLE 3- 27- c CONT'D

Geographic Area	Holdings with no Goats	1-4 Head	5-9 Head	10-49 Head	50-99 Head	100-199 Head	200-499 Head	>=500 Head
<b>Somale</b>	36,622	16,723	22,167	51,169	2,791	477	93	-
Shinele	1,713	2,339	1,874	5,006	883	250	93	-
Jijiga	22,825	8,689	9,256	21,129	511	73	-	-
Liben	12,084	5,695	11,037	25,033	1,397	154	-	-
<b>Benshangul-Gumuz</b>	123,923	39,731	21,782	13,285	103	-	-	-
Metekel	57,918	13,652	8,415	5,321	-	-	-	-
Asosa	45,753	17,422	7,972	6,176	103	-	-	-
Kemeshi	12,530	5,197	3,838	1,639	-	-	-	-
Mao Komo	7,723	3,460	1,556	150	-	-	-	-
<b>SNNP</b>	2,855,949	587,885	110,991	35,962	3,946	1,000	325	-
Gurage	278,379	44,588	8,041	985	-	-	-	-
Hadiya	209,635	38,362	4,200	235	-	-	-	-
Kembata Tembaro	96,668	17,188	1,071	214	-	-	-	-
Sidama	675,969	90,299	13,264	2,335	-	-	-	-
Gedio	219,561	5,072	144	-	-	-	-	-
Wolayita	273,108	46,757	3,095	247	-	-	-	-
South Omo	75,614	17,672	8,899	16,656	3,946	1,000	325	-
Shaka	40,621	4,861	517	127	-	-	-	-
Kaffa	139,690	68,728	9,536	523	-	-	-	-
Gamo Gofa	340,407	75,844	20,926	3,318	-	-	-	-
Bench Maji	121,610	28,691	4,397	575	-	-	-	-
Yem Sp. Wereda	13,114	5,581	1,342	152	-	-	-	-
Amaro Sp. Wereda	23,707	11,124	4,572	672	-	-	-	-
Burji Sp. Wereda	5,722	2,216	1,612	723	-	-	-	-
Konso Sp. Wereda	15,765	19,909	7,836	5,742	-	-	-	-
Derashe Sp. Wereda	16,892	9,476	3,501	1,508	-	-	-	-
Dawro	69,626	21,910	2,864	85	-	-	-	-
Basketo Sp. Wereda	13,838	2,344	568	165	-	-	-	-
Konta Sp. Wereda	22,553	6,701	524	-	-	-	-	-
Silte	168,136	51,998	9,941	1,416	-	-	-	-
Alaba Sp. Wereda	35,335	18,563	4,140	283	-	-	-	-
<b>Gambela Region</b>	32,264	4,308	3,836	2,723	22	-	-	-
Angnuwak	9,272	1,182	499	51	-	-	-	-
Nuware	4,322	1,941	3,058	2,152	-	-	-	-
Mezhenger	13,714	876	-	-	-	-	-	-
Itang Special	4,955	308	280	520	22	-	-	-
<b>Harari</b>	7,739	9,049	3,131	225	-	-	-	-
Hundene	7,739	9,049	3,131	225	-	-	-	-
<b>Dire Dawa</b>	3,104	8,193	6,325	5,186	184	143	-	-

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>	13,763,978	1,172,815	129,233	20,406	1,425	15,087,857	10,722,614	4,056,103	283,221	24,804
<b>Tigray</b>	997,010	1,932	-	-	-	998,942	585,231	388,565	24,304	842
North West Tigray	170,538	176	-	-	-	170,714	96,179	70,139	4,175	221
Central Tigray	287,060	-	-	-	-	287,060	177,118	102,744	6,971	227
Eastern Tigray	182,240	194	-	-	-	182,434	108,079	71,602	2,753	-
Southern Tigray	260,496	950	-	-	-	261,446	151,490	101,651	8,082	223
Western Tigray	96,676	611	-	-	-	97,287	52,364	42,429	2,323	171
<b>Afar</b>	94,265	-	-	-	-	94,265	68,710	15,773	6,563	3,036
Zone 1	57,899	-	-	-	-	57,899	43,454	7,541	4,278	2,443
Zone 3	36,366	-	-	-	-	36,366	25,255	8,232	2,286	593
<b>Amhara</b>	3,962,052	264,176	17,904	734	-	4,244,866	2,686,754	1,451,303	100,682	6,022
North Gonder	612,584	12,162	1,619	-	-	626,365	406,943	209,333	8,877	1,212
South Gonder	577,050	23,453	419	-	-	600,922	403,180	181,002	16,301	439
North Wolo	323,074	24,282	1,379	-	-	348,735	215,326	127,154	6,255	-
South Wolo	586,761	61,732	2,462	-	-	650,955	374,419	266,665	9,438	433
North Shewa	439,292	26,782	2,031	-	-	468,105	232,833	216,074	18,623	575
East Gojam	501,004	61,441	4,299	-	-	566,744	356,728	181,546	25,857	2,613
West Gojam	532,004	16,602	1,452	734	-	550,792	390,350	152,121	7,571	750
Waghamera	99,643	121	-	-	-	99,764	51,570	43,095	4,994	-
Awi	188,950	37,603	4,243	-	-	230,796	185,413	43,516	1,867	-
Oromia	93,833	-	-	-	-	93,833	65,061	28,059	713	-
Argoba Special	7,855	-	-	-	-	7,855	4,930	2,739	186	-
<b>Oromia</b>	5,037,533	588,429	92,512	18,529	1,425	5,738,428	3,915,349	1,679,680	130,225	13,174
West Wellega	267,834	2,255	171	-	-	270,260	210,262	53,107	6,398	493
East Wellega	231,916	2,514	-	-	-	234,430	171,300	57,812	4,976	342
Illubabor	250,499	21,890	3,326	185	-	275,900	255,290	19,762	740	108
Jimma	530,503	61,350	4,160	1,842	-	597,855	535,071	61,994	790	-
West Shewa	380,610	77,297	12,092	2,853	573	473,425	357,627	105,105	9,482	1,211
North Shewa	267,547	53,791	6,225	482	-	328,045	192,541	122,847	11,443	1,214
East Shewa	270,921	8,600	803	-	238	280,562	130,128	128,107	19,332	2,995
Arsi	393,626	119,943	17,147	2,185	290	533,191	287,773	224,597	18,705	2,116
West Harerghe	392,995	-	-	-	-	392,995	216,699	172,318	3,978	-
East Harerghe	578,849	2,230	-	-	-	581,079	339,876	235,623	5,215	365
Bale	265,780	36,371	5,729	2,127	126	310,133	164,897	130,566	13,366	1,304
Borena	196,646	566	-	160	-	197,372	152,222	39,012	5,324	814
South West Shewa	239,114	47,224	656	-	-	286,994	167,976	107,762	10,806	450
Guji	191,586	64,777	18,857	5,007	-	280,227	235,666	40,132	3,990	439
West Arsi	309,524	70,954	19,667	2,799	-	402,944	269,092	123,980	9,260	612
Kelem Wellega	163,525	5,059	395	-	-	168,979	144,441	23,856	682	-
Horoguduru Wellega	106,061	13,608	3,283	887	199	124,038	84,484	33,101	5,741	712

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>	130,042	-	-	-	-	130,042	63,406	60,083	6,259	217
Shinele	12,158	-	-	-	-	12,158	6,670	5,070	355	63
Jijiga	62,483	-	-	-	-	62,483	35,247	25,346	1,890	-
Liben	55,400	-	-	-	-	55,400	21,488	29,667	4,014	154
<b>Benshangul-Gumuz</b>	197,867	783	174	-	-	198,824	152,779	42,408	3,151	394
Metekel	84,349	783	174	-	-	85,306	62,241	21,395	1,276	394
Asosa	77,426	-	-	-	-	77,426	61,372	14,388	1,574	-
Kemeshi	23,204	-	-	-	-	23,204	18,921	4,083	200	-
Mao Komo	12,889	-	-	-	-	12,889	10,246	2,542	101	-
<b>SNNP</b>	3,259,087	317,183	18,644	1,144	-	3,596,058	3,183,368	399,502	11,444	1,086
Gurage	279,156	50,382	2,455	-	-	331,993	263,656	65,626	2,711	-
Hadiya	227,802	24,396	234	-	-	252,432	190,294	60,960	1,178	-
Kembata Tembaro	108,229	6,802	110	-	-	115,141	96,906	18,235	-	-
Sidama	733,586	44,982	3,299	-	-	781,867	727,997	52,163	1,146	561
Gedio	204,020	19,289	1,354	114	-	224,777	218,256	6,272	249	-
Wolayita	323,207	-	-	-	-	323,207	295,655	27,278	274	-
South Omo	113,079	9,460	1,447	126	-	124,112	118,051	3,495	1,462	446
Shaka	41,421	4,401	304	-	-	46,126	44,362	1,764	-	-
Kaffa	164,720	47,084	5,770	903	-	218,477	217,728	749	-	-
Gamo Gofa	387,278	50,932	2,285	-	-	440,495	404,840	35,388	267	-
Bench Maji	145,383	9,479	411	-	-	155,273	154,238	916	119	-
Yem Sp. Wereda	19,263	894	32	-	-	20,189	17,234	2,892	63	-
Amaro Sp. Wereda	37,403	2,587	85	-	-	40,075	36,592	3,483	-	-
Burji Sp. Wereda	10,273	-	-	-	-	10,273	6,938	3,101	234	-
Konso Sp. Wereda	49,252	-	-	-	-	49,252	44,617	4,135	421	79
Derashe Sp. Wereda	30,633	744	-	-	-	31,377	20,888	10,235	254	-
Dawro	89,326	4,980	179	-	-	94,485	92,104	2,277	104	-
Basketo Sp. Wereda	16,493	422	-	-	-	16,915	16,620	295	-	-
Konta Sp. Wereda	28,229	1,549	-	-	-	29,778	29,442	336	-	-
Silte	195,510	35,505	476	-	-	231,491	157,121	72,680	1,690	-
Alaba Sp. Wereda	54,819	3,297	205	-	-	58,321	29,825	27,224	1,272	-
<b>Gambela Region</b>	42,841	312	-	-	-	43,153	42,751	402	-	-
Angnuwak	11,004	-	-	-	-	11,004	10,645	359	-	-
Nuware	11,473	-	-	-	-	11,473	11,473	-	-	-
Mezhenger	14,278	312	-	-	-	14,590	14,547	43	-	-
Itang Special	6,085	-	-	-	-	6,085	6,085	-	-	-
<b>Harari</b>	20,144	-	-	-	-	20,144	11,954	8,066	124	-
Hundene	20,144	-	-	-	-	20,144	11,954	8,066	124	-
<b>Dire Dawa</b>	23,135	-	-	-	-	23,135	12,312	10,321	469	33

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>	14,734,437	350,212	2,152	1,056	-	15,087,857	14,887,127	103,639	31,632	33,443
<b>Tigray</b>	994,936	4,006	-	-	-	998,942	980,542	14,044	2,903	1,453
North West Tigray	170,540	174	-	-	-	170,714	166,092	4,448	174	-
Central Tigray	285,963	1,097	-	-	-	287,060	283,549	3,511	-	-
Eastern Tigray	182,240	194	-	-	-	182,434	182,240	-	194	-
Southern Tigray	259,515	1,931	-	-	-	261,446	257,453	1,202	1,851	940
Western Tigray	96,678	609	-	-	-	97,287	91,207	4,883	684	513
<b>Afar</b>	93,931	334	-	-	-	94,265	56,822	13,636	4,569	6,782
Zone 1	57,899	-	-	-	-	57,899	34,001	11,860	2,687	3,464
Zone 3	36,032	334	-	-	-	36,366	22,821	1,776	1,882	3,318
<b>Amhara</b>	4,131,762	112,294	430	380	-	4,244,866	4,211,846	30,563	2,058	270
North Gonder	619,587	6,778	-	-	-	626,365	624,488	1,877	-	-
South Gonder	585,963	14,959	-	-	-	600,922	600,922	-	-	-
North Wolo	340,819	7,916	-	-	-	348,735	339,949	8,565	221	-
South Wolo	628,675	22,280	-	-	-	650,955	643,021	7,583	351	-
North Shewa	456,121	11,984	-	-	-	468,105	461,452	6,037	616	-
East Gojam	555,212	11,152	-	380	-	566,744	566,744	-	-	-
West Gojam	524,658	25,704	430	-	-	550,792	550,792	-	-	-
Waghamera	96,861	2,903	-	-	-	99,764	99,764	-	-	-
Awi	222,331	8,465	-	-	-	230,796	230,796	-	-	-
Oromia	93,728	105	-	-	-	93,833	86,639	5,984	822	259
Argoba Special	7,806	49	-	-	-	7,855	7,279	516	48	12
<b>Oromia</b>	5,576,686	159,716	1,350	676	-	5,738,428	5,671,950	29,693	14,391	13,565
West Wellega	266,234	4,026	-	-	-	270,260	270,260	-	-	-
East Wellega	229,671	4,759	-	-	-	234,430	234,430	-	-	-
Illubabor	266,594	9,306	-	-	-	275,900	275,900	-	-	-
Jimma	574,623	23,232	-	-	-	597,855	597,855	-	-	-
West Shewa	464,322	9,103	-	-	-	473,425	473,425	-	-	-
North Shewa	320,491	7,060	235	259	-	328,045	327,784	261	-	-
East Shewa	275,224	5,338	-	-	-	280,562	277,805	1,405	1,188	164
Arsi	512,400	20,791	-	-	-	533,191	524,242	1,657	2,320	2,983
West Harerghe	389,749	3,246	-	-	-	392,995	380,720	5,575	2,939	2,724
East Harerghe	580,196	883	-	-	-	581,079	572,928	4,870	1,028	1,391
Bale	283,369	26,441	323	-	-	310,133	295,710	7,839	2,335	2,819
Borena	193,676	3,152	544	-	-	197,372	182,379	5,860	2,919	2,915
South West Shewa	279,184	7,810	-	-	-	286,994	286,994	-	-	-
Guji	257,808	21,754	248	417	-	280,227	275,556	2,227	1,662	569
West Arsi	399,045	3,899	-	-	-	402,944	402,944	-	-	-
Kelem Wellega	164,300	4,679	-	-	-	168,979	168,979	-	-	-
Horoguduru Wellega	119,800	4,238	-	-	-	124,038	124,038	-	-	-

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>	129,410	555	77	-	-	130,042	88,073	13,530	7,189	10,681
Shinele	12,141	17	-	-	-	12,158	8,382	2,079	613	570
Jijiga	62,483	-	-	-	-	62,483	48,236	6,610	2,611	3,125
Liben	54,785	538	77	-	-	55,400	31,453	4,841	3,966	6,986
<b>Benshangul-Gumuz</b>	196,476	2,255	93	-	-	198,824	198,824	-	-	-
Metekel	83,237	2,069	-	-	-	85,306	85,306	-	-	-
Asosa	77,241	92	93	-	-	77,426	77,426	-	-	-
Kemeshi	23,171	33	-	-	-	23,204	23,204	-	-	-
Mao Komo	12,829	60	-	-	-	12,889	12,889	-	-	-
<b>SNNP</b>	3,524,803	71,052	203	-	-	3,596,058	3,595,707	106	-	245
Gurage	326,859	5,134	-	-	-	331,993	331,993	-	-	-
Hadiya	244,296	8,136	-	-	-	252,432	252,187	-	-	245
Kembata Tembaro	113,469	1,672	-	-	-	115,141	115,141	-	-	-
Sidama	774,470	7,397	-	-	-	781,867	781,867	-	-	-
Gedio	219,831	4,946	-	-	-	224,777	224,777	-	-	-
Wolayita	321,991	1,216	-	-	-	323,207	323,207	-	-	-
South Omo	120,469	3,509	134	-	-	124,112	124,006	106	-	-
Shaka	45,676	450	-	-	-	46,126	46,126	-	-	-
Kaffa	206,037	12,371	69	-	-	218,477	218,477	-	-	-
Gamo Gofa	429,400	11,095	-	-	-	440,495	440,495	-	-	-
Bench Maji	152,644	2,629	-	-	-	155,273	155,273	-	-	-
Yem Sp. Wereda	20,035	154	-	-	-	20,189	20,189	-	-	-
Amaro Sp. Wereda	38,727	1,348	-	-	-	40,075	40,075	-	-	-
Burji Sp. Wereda	10,174	99	-	-	-	10,273	10,273	-	-	-
Konso Sp. Wereda	49,252	-	-	-	-	49,252	49,252	-	-	-
Derashe Sp. Wereda	30,963	414	-	-	-	31,377	31,377	-	-	-
Dawro	88,086	6,399	-	-	-	94,485	94,485	-	-	-
Basketo Sp. Wereda	16,307	608	-	-	-	16,915	16,915	-	-	-
Konta Sp. Wereda	29,000	778	-	-	-	29,778	29,778	-	-	-
Silte	229,172	2,319	-	-	-	231,491	231,491	-	-	-
Alaba Sp. Wereda	57,943	378	-	-	-	58,321	58,321	-	-	-
<b>Gambela Region</b>	43,153	-	-	-	-	43,153	43,153	-	-	-
Angnuwak	11,004	-	-	-	-	11,004	11,004	-	-	-
Nuware	11,473	-	-	-	-	11,473	11,473	-	-	-
Mezhenger	14,590	-	-	-	-	14,590	14,590	-	-	-
Itang Special	6,085	-	-	-	-	6,085	6,085	-	-	-
<b>Harari</b>	20,144	-	-	-	-	20,144	19,756	234	-	154
Hundene	20,144	-	-	-	-	20,144	19,756	234	-	154
<b>Dire Dawa</b>	23,135	-	-	-	-	23,135	20,457	1,833	521	292

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

Geographic Area	Holdings with no poultry	1-9 Head	10-49 Head	50-99 Head	100-199 Head	>=200 Head
<b>Ethiopia</b>	6,591,080	6,903,398	1,590,239	3,128	12	-
<b>Tigray</b>	328,338	524,225	146,205	174	-	-
North West Tigray	51,509	80,704	38,327	174	-	-
Central Tigray	85,443	168,665	32,952	-	-	-
Eastern Tigray	52,977	111,304	18,153	-	-	-
Southern Tigray	106,231	129,020	26,195	-	-	-
Western Tigray	32,176	34,533	30,578	-	-	-
<b>Afar</b>	83,923	7,649	2,693	-	-	-
Zone 1	57,751	148	-	-	-	-
Zone 3	26,173	7,500	2,693	-	-	-
<b>Amhara</b>	1,478,364	2,344,082	421,250	1,170	-	-
North Gonder	169,186	337,723	118,705	751	-	-
South Gonder	223,697	329,431	47,375	419	-	-
North Wolo	76,760	248,562	23,413	-	-	-
South Wolo	173,603	431,272	46,080	-	-	-
North Shewa	141,701	292,775	33,629	-	-	-
East Gojam	313,498	225,046	28,200	-	-	-
West Gojam	219,868	254,762	76,162	-	-	-
Waghamera	31,868	56,164	11,732	-	-	-
Awii	86,160	118,834	25,802	-	-	-
Oromia	39,622	45,215	8,996	-	-	-
Argoba Special	2,401	4,298	1,156	-	-	-
<b>Oromia</b>	2,720,194	2,379,407	637,615	1,212	-	-
West Wellega	102,983	122,393	44,572	312	-	-
East Wellega	95,850	97,768	40,812	-	-	-
Illubabor	115,045	118,957	41,898	-	-	-
Jimma	288,648	250,950	57,875	382	-	-
West Shewa	211,538	207,199	54,688	-	-	-
North Shewa	162,663	147,569	17,813	-	-	-
East Shewa	137,712	106,636	36,214	-	-	-
Arsi	245,359	218,977	68,855	-	-	-
West Harerghe	168,442	180,323	44,230	-	-	-
East Harerghe	258,209	276,720	46,150	-	-	-
Bale	194,474	94,754	20,905	-	-	-
Borena	103,285	72,491	21,596	-	-	-
South West Shewa	128,629	132,062	26,303	-	-	-
Guji	140,664	103,510	35,733	320	-	-
West Arsi	234,595	129,449	38,900	-	-	-
Kelem Wellega	75,838	70,709	22,432	-	-	-
Horoguduru Wellega	56,261	48,939	18,639	199	-	-

TABLE 3-27 – f CONT'D

Geographic Area	Holdings with no poultry	1-9 Head	10-49 Head	50-99 Head	100-199 Head	>=200 Head
<b>Somale</b>	112,106	15,127	2,809	-	-	-
Shinele	11,456	566	136	-	-	-
Jijiga	60,375	1,816	292	-	-	-
Liben	40,275	12,744	2,381	-	-	-
<b>Benshangul-Gumuz</b>	64,132	85,323	49,069	300	-	-
Metekel	21,571	42,364	21,371	-	-	-
Asosa	29,629	29,005	18,492	300	-	-
Kemeshi	9,069	8,123	6,012	-	-	-
Mao Komo	3,864	5,831	3,194	-	-	-
<b>SNNP</b>	1,766,759	1,513,787	315,512	-	-	-
Gurage	150,671	170,149	11,173	-	-	-
Hadiya	102,500	123,293	26,639	-	-	-
Kembata Tembaro	48,962	58,247	7,932	-	-	-
Sidama	461,974	278,513	41,380	-	-	-
Gedio	151,237	68,301	5,239	-	-	-
Wolayita	168,947	125,748	28,512	-	-	-
South Omo	54,950	43,892	25,270	-	-	-
Shaka	15,580	24,782	5,764	-	-	-
Kaffa	60,642	126,399	31,436	-	-	-
Gamo Gofa	268,051	137,104	35,340	-	-	-
Bench Maji	47,405	81,040	26,828	-	-	-
Yem Sp. Wereda	9,694	9,214	1,281	-	-	-
Amaro Sp. Wereda	19,920	15,534	4,621	-	-	-
Burji Sp. Wereda	5,967	3,287	1,019	-	-	-
Konso Sp. Wereda	21,514	22,269	5,469	-	-	-
Derashe Sp. Wereda	11,579	14,127	5,671	-	-	-
Dawro	43,738	39,515	11,232	-	-	-
Basketo Sp. Wereda	6,970	8,312	1,633	-	-	-
Konta Sp. Wereda	11,071	13,304	5,403	-	-	-
Silte	84,312	123,349	23,830	-	-	-
Alaba Sp. Wereda	21,072	27,409	9,840	-	-	-
<b>Gambela Region</b>	18,964	12,326	11,580	271	12	-
Angnuwak	4,608	3,072	3,225	99	-	-
Nuware	5,005	2,310	4,087	71	-	-
Mezhenger	6,724	6,026	1,840	-	-	-
Itang Special	2,624	919	2,429	101	12	-
<b>Harari</b>	11,124	7,568	1,452	-	-	-
Hundene	11,124	7,568	1,452	-	-	-
<b>Dire Dawa</b>	7,177	13,904	2,054	-	-	-

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	58.67	29.19	0.25	7.35	0.83	3.71
<b>Tigray</b>	100	37.37	40.41	0.23	17.88	0.74	3.38
North West Tigray	100	47.13	27.8	0.12	21.84	1.67	1.43
Central Tigray	100	30.33	49.66	0.26	17.98	0.31	1.46
Eastern Tigray	100	31.08	43.28	0.23	17.41	0.75	7.25
Southern Tigray	100	36.06	43.58	0.25	14.28	0.46	5.38
Western Tigray	100	53.85	24.02	0.24	20.43	0.96	0.5
<b>Afar</b>	100	88.85	6.4	0.09	1.85	1.56	1.24
Zone 1	100	86.71	8.82	0.15	2.2	2.11	0.01
Zone 3	100	92.31	2.52	-	1.28	0.69	3.21
<b>Amhara</b>	100	40.92	39.05	0.23	15.64	0.4	3.75
North Gondar	100	44.43	33.85	0.15	19.14	0.69	1.73
South Gondar	100	35.05	44.62	0.33	18.62	0.49	0.89
North Wolo	100	35.48	42.33	0.34	17.1	0.19	4.55
South Wolo	100	32.26	43.32	0.14	22.16	0.2	1.92
North Shewa	100	35.11	41.51	0.26	17.53	0.54	5.06
East Gojam	100	45.9	40.63	0.41	6.6	0.41	6.05
West Gojam	100	46.05	37.42	0.15	9.36	0.29	6.74
Waghamera	100	41.97	32.74	0.04	21.19	0.24	3.81
Awi	100	60.98	24.1	0.15	9.74	0.42	4.62
Oromia	100	55.86	25.04	0.15	13.53	0.17	5.24
Argoba Special	100	39.34	38.12	0.22	21.18	0.66	0.48
<b>Oromia</b>	100	66.4	25.85	0.29	2.78	1.03	3.64
West Wellega	100	88.55	7.77	0.04	0.13	0.32	3.19
East Wellega	100	83.65	12.27	0.07	0.47	0.57	2.97
Illubabor	100	86.14	7.67	-	0.05	1.35	4.8
Jimma	100	87.12	10.85	0.01	0.14	0.29	1.59
West Shewa	100	70.37	21.39	0.37	4	0.96	2.91
North Shewa	100	52.35	27.24	0.1	17.69	0.83	1.8
East Shewa	100	45.78	45.67	0.26	2	2.98	3.3
Arsi	100	59.28	33.86	0.3	1.55	1.52	3.49
West Harerghe	100	36.47	47.52	0.18	3.97	0.45	11.4
East Harerghe	100	40.58	48.21	1.32	3.29	1.83	4.77
Bale	100	78.88	18.07	0.02	0.34	0.9	1.79
Borena	100	80.3	13.87	0.81	3.52	0.36	1.15
South West Shewa	100	58.57	31.16	0.06	3.66	1.37	5.18
Guji	100	76.36	17.03	-	1.59	0.99	4.04
West Arsi	100	70.04	26.01	0.27	1.54	1	1.14
Kelem Wellega	100	85.82	10.74	0.12	0.18	0.29	2.86
Horoguduru Wellega	100	78.82	15.61	0.17	1.08	0.43	3.89

TABLE 3-28 CONT'D

Geographic Area	Total (%)	Green Fodder	Crop Residue	Improved Feed	Hay	By-Product	Others
<b>Somale</b>	100	82.45	14.85	0.06	1.78	0.29	0.58
Shinele	100	91.87	6.5	-	0.08	0.6	0.94
Jijiga	100	75.61	21.58	-	2.16	0.48	0.16
Liben	100	87.93	9.23	0.14	1.74	-	0.96
<b>Benshangul-Gumuz</b>	100	86.41	9.73	0.06	1.72	0.17	1.9
Metekel	100	82.28	12.89	-	2.79	0.05	2
Asosa	100	89.73	7.32	0.11	0.93	0.09	1.82
Kemeshi	100	92.46	4.21	0.18	0.21	0.76	2.17
Mao Komo	100	87.33	9.64	0.09	1.01	0.63	1.29
<b>SNNP</b>	100	69.31	22.37	0.22	2.96	0.98	4.16
Gurage	100	60.37	27.19	0.1	7.66	1.18	3.52
Hadiya	100	61.32	26.82	0.34	2.96	0.77	7.79
Kembata Tembaro	100	52.35	30.76	1.53	1.94	2.7	10.73
Sidama	100	67.96	23.04	0.21	1.47	1.71	5.61
Gedio	100	79.16	15.84	-	0.68	0.97	3.35
Wolayita	100	67.99	22.43	0.06	3.89	1.16	4.47
South Omo	100	80.22	16.32	0.32	0.73	0.16	2.26
Shaka	100	94.32	3.19	0.23	0.01	1.59	0.66
Kaffa	100	94.48	2.65	0.01	0.02	0.19	2.65
Gamo Gofa	100	68.82	25.45	0.18	3.73	0.03	1.8
Bench Maji	100	89.67	7.01	-	-	1.65	1.67
Yem Sp. Wereda	100	73.67	18.82	0.03	4.07	0.02	3.39
Amaro Sp. Wereda	100	70.96	25.82	0.02	0.86	0.02	2.32
Burji Sp. Wereda	100	67.65	28.14	0.04	1.41	-	2.75
Konso Sp. Wereda	100	42.55	33.17	0.24	11.78	0.67	11.6
Derashe Sp. Wereda	100	67.55	28.49	-	0.36	0.69	2.9
Dawro	100	80.68	13.73	0.06	1.85	0.02	3.66
Basketo Sp. Wereda	100	63.99	28.95	1.21	3.93	0.09	1.83
Konta Sp. Wereda	100	82.45	12.43	0.42	1.67	0.5	2.53
Silte	100	55.29	36.43	0.23	4.82	0.66	2.56
Alaba Sp. Wereda	100	59.71	28.99	0.88	7.02	1.55	1.85
<b>Gambela Region</b>	100	97.55	1.66	-	*	0.62	0.16
Angnuwak	100	97.06	2.28	-	0.03	0.46	0.17
Nuware	100	99.5	0.5	-	-	-	-
Mezhenger	100	95.15	2.98	-	-	1.51	0.36
Itang Special	100	99.49	0.47	-	-	0.04	-
<b>Harari</b>	100	36.75	48.66	1.4	0.9	10.45	1.84
Hundene	100	36.75	48.66	1.4	0.9	10.45	1.84
<b>Dire Dawa</b>	100	66.94	23.35	0.39	0.44	2.68	6.2

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

Geographic Area	Green Fodder	Crop Residue	Improved Feed	Hay	By-Product	Others
<b>Ethiopia</b>	13,158,864	11,073,996	178,567	4,373,819	806,919	3,632,505
<b>Tigray</b>	833,937	820,427	9,721	718,363	52,866	234,973
North West Tigray	155,842	150,221	1,208	146,706	21,642	17,489
Central Tigray	226,434	236,970	3,642	208,775	6,106	31,300
Eastern Tigray	145,836	142,527	1,752	132,624	9,201	83,530
Southern Tigray	219,066	211,110	2,312	156,899	6,131	97,639
Western Tigray	86,759	79,599	808	73,360	9,786	5,015
<b>Afar</b>	91,738	30,845	1,079	7,532	4,386	6,153
Zone 1	56,959	26,569	1,079	5,639	3,560	67
Zone 3	34,779	4,276	-	1,893	827	6,086
<b>Amhara</b>	3,695,222	3,512,446	42,970	2,409,559	125,490	1,076,952
North Gondar	539,097	468,048	4,260	390,336	29,065	73,101
South Gondar	541,451	532,236	7,366	408,568	17,122	54,610
North Wolo	285,509	290,875	6,204	189,660	3,592	32,468
South Wolo	571,177	556,410	4,260	464,618	7,592	39,826
North Shewa	390,834	373,593	3,221	298,869	17,566	192,342
East Gojam	505,326	483,183	11,609	181,621	26,636	265,199
West Gojam	487,500	471,458	3,750	243,167	16,132	299,799
Waghamera	87,107	84,356	202	79,961	2,040	8,891
Awi	202,543	176,914	1,749	101,381	4,909	94,017
Oromia	77,970	68,982	316	47,084	690	16,640
Argoba Special	6,706	6,390	35	4,293	146	59
<b>Oromia</b>	4,991,101	4,008,874	80,886	729,967	389,161	1,280,515
West Wellega	210,112	97,054	673	1,396	5,947	52,472
East Wellega	209,919	128,329	912	5,945	10,797	53,800
Illubabor	245,588	128,854	-	860	29,767	94,247
Jimma	552,018	361,337	694	4,668	7,535	108,768
West Shewa	407,208	318,554	14,064	102,195	38,927	136,166
North Shewa	290,408	271,642	1,292	239,752	24,454	77,441
East Shewa	221,409	218,589	4,108	26,408	53,730	52,992
Arsi	483,025	456,935	8,970	44,425	54,518	104,096
West Harerghe	315,708	347,590	3,814	65,114	9,620	167,079
East Harerghe	494,533	533,797	30,887	90,472	62,766	129,190
Bale	282,762	206,270	664	8,214	19,091	26,906
Borena	170,543	93,973	3,730	22,468	2,603	15,661
South West Shewa	254,601	226,375	1,458	54,126	30,456	86,710
Guji	249,815	166,681	-	16,490	9,746	76,702
West Arsi	357,210	295,740	6,943	37,187	22,659	25,900
Kelem Wellega	132,716	72,102	976	1,465	2,100	28,910
Horoguduru Wellega	113,527	85,051	1,703	8,784	4,445	43,476

TABLE 3-29 – a CONT'D

Geographic Area	Green Fodder	Crop Residue	Improved Feed	Hay	By-Product	Others
<b>Somale</b>	125,850	71,478	161	10,984	2,285	3,982
Shinele	11,724	4,612	-	52	471	442
Jijiga	59,875	51,984	-	7,009	1,814	1,235
Liben	54,251	14,882	161	3,922	-	2,305
<b>Benshangul-Gumuz</b>	162,188	79,302	781	20,307	1,742	23,936
Metekel	74,821	44,011	-	14,492	259	10,237
Asosa	60,474	28,018	555	4,919	649	9,796
Kemeshi	16,516	3,836	115	209	481	1,952
Mao Komo	10,377	3,438	111	687	352	1,951
<b>SNNP</b>	3,194,492	2,508,107	40,897	475,613	217,419	999,288
Gurage	307,264	279,690	2,958	112,229	26,218	95,931
Hadiya	238,480	219,923	6,110	40,832	10,651	110,257
Kembata Tembaro	111,851	107,375	11,926	13,033	21,931	80,598
Sidama	671,102	535,061	3,665	48,537	57,028	194,150
Gedio	141,773	79,357	-	5,462	9,219	43,390
Wolayita	299,221	274,449	1,615	67,272	31,215	168,963
South Omo	102,129	67,044	1,181	2,358	245	9,723
Shaka	37,895	6,811	364	67	8,269	4,865
Kaffa	208,540	47,953	172	310	9,829	50,802
Gamo Gofa	408,645	345,995	5,996	67,850	875	50,917
Bench Maji	136,734	62,215	-	-	22,771	27,301
Yem Sp. Wereda	18,838	17,490	31	5,014	63	6,721
Amaro Sp. Wereda	36,536	32,988	60	1,582	60	7,954
Burji Sp. Wereda	9,029	8,663	18	760	-	1,913
Konso Sp. Wereda	34,852	38,963	424	18,693	1,427	27,150
Derashe Sp. Wereda	27,073	23,593	-	482	1,402	5,679
Dawro	89,214	76,824	364	7,963	256	57,210
Basketo Sp. Wereda	14,040	11,291	685	2,414	55	1,091
Konta Sp. Wereda	27,832	16,486	359	1,821	698	5,627
Silte	218,290	204,596	2,619	57,141	9,641	37,368
Alaba Sp. Wereda	55,154	51,341	2,350	21,792	5,566	11,679
<b>Gambela Region</b>	26,634	4,455	-	26	2,416	548
Angnuwak	3,828	744	-	26	378	91
Nuware	11,079	494	-	-	-	-
Mezhenger	9,776	3,149	-	-	2,022	457
Itang Special	1,951	67	-	-	16	-
<b>Harari</b>	16,522	18,040	1,367	980	6,535	1,152
Hundene	16,522	18,040	1,367	980	6,535	1,152
<b>Dire Dawa</b>	21,181	20,021	706	488	4,618	5,006

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/ Government Holding	From any Two or More Sources	Others
<b>Ethiopia</b>	5,474,665	269,790	4,054,439	3,155,854	204,116
<b>Tigray</b>	136,313	2,069	465,943	229,417	194
North West Tigray	18,857	680	90,690	45,616	-
Central Tigray	27,003	474	139,342	59,615	-
Eastern Tigray	58,120	583	68,469	18,469	194
Southern Tigray	26,173	218	119,340	73,334	-
Western Tigray	6,160	113	48,102	32,384	-
<b>Afar</b>	4,174	320	80,192	7,052	-
Zone 1	2,754	183	49,626	4,397	-
Zone 3	1,420	138	30,566	2,655	-
<b>Amhara</b>	920,716	66,371	1,671,453	1,006,084	30,597
North Gondar	53,970	4,174	341,514	135,691	3,748
South Gondar	74,382	5,552	310,253	150,848	417
North Wolo	150,414	9,901	74,493	48,587	2,114
South Wolo	318,591	28,161	81,229	142,384	813
North Shewa	169,287	10,777	87,020	107,531	16,219
East Gojam	33,431	1,198	313,280	156,235	1,183
West Gojam	45,793	1,146	290,831	148,491	1,239
Waghamera	28,227	351	44,559	13,839	131
Awi	13,228	3,966	103,998	77,236	4,115
Oromia	29,242	749	23,284	24,077	618
Argoba Special	4,153	397	993	1,164	-
<b>Oromia</b>	2,414,638	156,818	1,226,331	1,084,410	108,904
West Wellega	34,210	560	77,272	97,234	836
East Wellega	46,700	5,612	77,771	78,132	1,703
Illubabor	105,074	922	62,022	68,963	8,608
Jimma	346,435	2,394	110,754	83,638	8,797
West Shewa	227,438	42,219	52,915	60,065	24,570
North Shewa	158,024	30,247	16,815	65,792	19,529
East Shewa	81,613	7,105	57,789	70,097	4,806
Arsi	317,917	34,995	56,962	66,907	6,245
West Harerghe	171,547	4,784	97,965	40,581	830
East Harerghe	253,328	770	165,962	72,838	1,636
Bale	91,925	1,773	79,068	104,355	5,640
Borena	40,896	253	111,524	17,668	203
South West Shewa	163,102	10,544	12,155	49,290	19,510
Guji	112,065	4,958	78,358	52,206	2,228
West Arsi	231,587	8,270	25,486	89,374	2,492
Kelem Wellega	11,213	-	88,733	32,770	-
Horoguduru Wellega	21,564	1,412	54,779	34,499	1,272

TABLE 3-29 – b-1 CONT'D

Geographic Area	Own Holding	Purchased	Communal/ Government Holding	From any Two or More Sources	Others
<b>Somale</b>	17,663	384	86,367	14,302	7,134
Shinele	35	-	11,689	-	-
Jijiga	11,165	-	35,340	13,370	-
Liben	6,463	384	39,338	932	7,134
<b>Benshangul-Gumuz</b>	2,977	41	149,404	9,766	-
Metekel	737	-	73,999	85	-
Asosa	1,099	-	56,879	2,496	-
Kemeshi	1,012	41	9,483	5,979	-
Mao Komo	130	-	9,041	1,206	-
<b>SNNP</b>	1,961,860	43,725	338,478	794,738	55,690
Gurage	153,187	2,827	20,578	129,271	1,401
Hadiya	168,579	1,254	7,694	54,723	6,230
Kembata Tembaro	58,289	213	5,096	45,253	2,999
Sidama	482,085	4,545	15,081	167,461	1,929
Gedio	108,558	1,788	7,335	21,206	2,885
Wolayita	162,383	18,824	21,319	88,486	8,208
South Omo	46,309	849	39,413	14,507	1,050
Shaka	27,408	206	4,145	4,455	1,680
Kaffa	178,158	3,594	6,461	5,401	14,926
Gamo Gofa	166,057	5,938	110,521	123,966	2,162
Bench Maji	91,876	380	25,633	17,795	1,049
Yem Sp. Wereda	10,410	123	2,649	5,468	188
Amaro Sp. Wereda	15,464	59	15,380	5,634	-
Burji Sp. Wereda	961	19	6,611	1,438	-
Konso Sp. Wereda	21,836	306	11,788	602	320
Derashe Sp. Wereda	4,074	44	15,891	6,554	511
Dawro	55,350	1,261	9,088	20,682	2,832
Basketo Sp. Wereda	8,961	54	4,258	610	157
Konta Sp. Wereda	19,494	45	2,296	5,815	183
Silte	136,794	1,209	6,496	67,107	6,683
Alaba Sp. Wereda	45,626	185	745	8,302	296
<b>Gambela Region</b>	7,470	46	14,846	2,748	1,525
Angnuwak	739	-	2,399	690	-
Nuware	131	-	9,403	1,544	-
Mezhenger	6,585	46	1,279	343	1,525
Itang Special	15	-	1,765	170	-
<b>Harari</b>	8,029	-	5,400	3,021	72
Hundene	8,029	-	5,400	3,021	72
<b>Dire Dawa</b>	825	16	16,024	4,316	-

## 2. Crop Residue

Geographic Area	Own Holding	Purchased	Communal/ Government Holding	From any Two or More Sources	Others
<b>Ethiopia</b>	9,749,707	222,576	201,248	791,086	109,378
<b>Tigray</b>	632,944	20,609	8,676	154,910	3,290
North West Tigray	115,451	6,330	4,944	23,496	-
Central Tigray	176,146	3,565	-	56,539	721
Eastern Tigray	116,486	2,608	778	21,045	1,610
Southern Tigray	157,839	5,707	1,438	45,168	959
Western Tigray	67,022	2,398	1,517	8,663	-
<b>Afar</b>	28,388	312	777	1,298	70
Zone 1	24,410	161	700	1,298	-
Zone 3	3,978	151	77	-	70
<b>Amhara</b>	3,034,205	63,561	28,148	353,929	32,603
North Gondar	411,314	9,590	4,119	35,722	7,302
South Gondar	422,571	12,028	4,403	92,398	836
North Wolo	249,373	7,994	779	31,046	1,683
South Wolo	434,555	8,693	12,330	98,329	2,505
North Shewa	324,847	5,253	1,256	34,455	7,783
East Gojam	437,722	8,953	2,436	31,037	3,035
West Gojam	447,458	3,444	1,285	13,736	5,535
Waghamera	77,087	595	-	6,426	248
Awi	160,478	5,841	677	6,470	3,448
Oromia	63,223	988	824	3,729	218
Argoba Special	5,577	184	38	581	12
<b>Oromia</b>	3,635,172	76,424	112,757	137,639	46,883
West Wellega	83,324	2,476	1,333	9,700	222
East Wellega	105,509	1,995	5,908	14,418	499
Illubabor	110,067	1,576	11,750	3,510	1,952
Jimma	333,291	3,809	14,367	7,894	1,977
West Shewa	283,705	9,997	4,345	10,372	10,135
North Shewa	228,106	10,093	5,390	21,348	6,705
East Shewa	192,264	2,379	6,494	12,557	4,895
Arsi	429,254	9,067	4,189	10,728	3,697
West Harerghe	333,942	1,693	7,279	3,317	1,359
East Harerghe	496,943	7,443	18,979	7,578	2,854
Bale	188,464	1,277	7,511	5,608	3,411
Borena	86,596	3,880	763	2,554	181
South West Shewa	205,599	5,124	2,976	8,100	4,576
Guji	140,845	9,975	7,588	6,718	1,555
West Arsi	275,951	3,344	5,415	8,892	2,139
Kelem Wellega	69,220	300	870	1,471	241
Horoguduru Wellega	72,093	1,995	7,601	2,875	487

TABLE 3-29 – b-2 CONT'D

Geographic Area	Own Holding	Purchased	Communal/ Government Holding	From any Two or More Sources	Others
<b>Somale</b>	51,254	7,556	4,690	6,835	1,143
Shinele	4,515	36	-	-	61
Jijiga	41,901	2,327	1,389	6,367	-
Liben	4,839	5,193	3,300	468	1,082
<b>Benshangul-Gumuz</b>	69,835	381	1,338	7,748	-
Metekel	41,405	341	300	1,965	-
Asosa	21,961	-	1,001	5,055	-
Kemeshi	3,157	-	36	642	-
Mao Komo	3,312	40	-	86	-
<b>SNNP</b>	2,258,068	53,369	44,263	127,906	24,502
Gurage	267,327	2,836	2,150	6,853	524
Hadiya	201,245	1,221	2,096	11,457	3,903
Kembata Tembaro	100,349	870	845	4,265	1,045
Sidama	479,364	14,969	-	37,745	2,984
Gedio	71,710	1,314	265	5,838	231
Wolayita	235,295	14,402	4,537	12,642	7,572
South Omo	53,242	3,052	7,721	2,641	387
Shaka	6,699	56	56	-	-
Kaffa	43,384	1,690	205	-	2,674
Gamo Gofa	301,119	7,024	17,530	19,776	546
Bench Maji	57,720	129	649	3,717	-
Yem Sp. Wereda	16,630	410	420	29	-
Amaro Sp. Wereda	32,362	181	264	181	-
Burji Sp. Wereda	8,436	-	128	99	-
Konso Sp. Wereda	35,882	475	2,005	600	-
Derashe Sp. Wereda	21,627	296	885	605	180
Dawro	68,418	1,098	1,167	4,774	1,366
Basketo Sp. Wereda	10,082	163	500	492	55
Konta Sp. Wereda	15,380	194	292	575	45
Silte	186,974	1,407	1,614	11,817	2,785
Alaba Sp. Wereda	44,824	1,581	932	3,800	204
<b>Gambela Region</b>	4,096	92	54	138	75
Angnuwak	630	70	16	29	-
Nuware	494	-	-	-	-
Mezhenger	2,957	22	-	109	61
Itang Special	14	-	39	-	14
<b>Harari</b>	16,693	172	466	537	173
Hundene	16,693	172	466	537	173
<b>Dire Dawa</b>	19,052	102	81	147	640

### 3. Improved Feed

Geographic Area	Own Holding	Purchased	Communal/ Government Holding	From any Two or More Sources	Others
<b>Ethiopia</b>	118,708	39,322	8,317	11,105	1,115
<b>Tigray</b>	6,844	1,018	624	1,235	-
North West Tigray	519	174	170	344	-
Central Tigray	2,564	311	454	311	-
Eastern Tigray	1,246	194	-	312	-
Southern Tigray	1,827	218	-	268	-
Western Tigray	688	120	-	-	-
<b>Afar</b>	1,047	-	-	-	32
Zone 1	1,047	-	-	-	32
Zone 3					
	28,419	11,401	1,220	1,931	-
<b>Amhara</b>	2,356	1,528	375	-	-
North Gondar	6,323	636	-	407	-
South Gondar	5,684	519	-	-	-
North Wolo	2,146	425	844	844	-
South Wolo	2,909	-	-	312	-
North Shewa	5,542	5,699	-	367	-
East Gojam	1,500	2,250	-	-	-
West Gojam	202	-	-	-	-
Waghamera	1,545	204	-	-	-
Awi	210	105	-	-	-
Oromia	-	35	-	-	-
Argoba Special					
	47,392	22,110	5,414	5,289	681
<b>Oromia</b>	356	-	165	151	-
West Wellega	199	535	178	-	-
East Wellega	373	321	-	-	-
Illubabor	7,892	4,799	-	1,373	-
Jimma	778	-	280	233	-
West Shewa	2,979	974	-	155	-
North Shewa	3,386	4,992	297	-	295
East Shewa	2,683	1,131	-	-	-
Arsi	24,344	4,554	1,160	443	387
West Harerghe	204	459	-	-	-
East Harerghe	312	171	854	2,392	-
Bale	954	504	-	-	-
Borena	852	3,070	2,480	542	-
South West Shewa	976	-	-	-	-
Guji	1,103	600	-	-	-
West Arsi	118,708	39,322	8,317	11,105	1,115
Kelem Wellega	6,844	1,018	624	1,235	-
Horoguduru Wellega	519	174	170	344	-

TABLE 3-29 – b-3 CONT'D

Geographic Area	Own Holding	Purchased	Communal/ Government Holding	From any Two or More Sources	Others
<b>Somale</b>	84	-	77	-	-
Shinele	-	-	-	-	-
Jijiga	-	-	-	-	-
Liben	84	-	77	-	-
<b>Benshangul-Gumuz</b>	366	-	92	230	92
Metekel	-	-	-	-	-
Asosa	115	-	-	-	-
Kemeshi	66	-	-	45	-
Mao Komo	366	-	92	230	92
<b>SNNP</b>	32,948	4,714	889	2,063	-
Gurage	1,724	278	-	956	-
Hadiya	5,653	229	228	-	-
Kembata Tembaro	11,295	319	105	207	-
Sidama	2,452	1,213	-	-	-
Gedio	-	-	-	-	-
Wolayita	1,157	229	-	-	229
South Omo	227	336	248	371	-
Shaka	121	182	61	-	-
Kaffa	-	-	172	-	-
Gamo Gofa	5,454	269	-	273	-
Bench Maji	-	-	-	-	-
Yem Sp. Wereda	31	-	-	-	-
Amaro Sp. Wereda	60	-	-	-	-
Burji Sp. Wereda	18	-	-	-	-
Konso Sp. Wereda	152	272	-	-	-
Derashe Sp. Wereda	-	-	-	-	-
Dawro	364	-	-	-	-
Basketo Sp. Wereda	211	265	76	79	53
Konta Sp. Wereda	359	-	-	-	-
Silte	2,381	239	-	-	-
Alaba Sp. Wereda	1,289	884	-	177	-
<b>Gambela Region</b>	-	-	-	-	-
Angnuwak	-	-	-	-	-
Nuware	-	-	-	-	-
Mezhenger	-	-	-	-	-
Itang Special	-	-	-	-	-
<b>Harari</b>	932	51	-	357	27
Hundene	932	51	-	357	27
<b>Dire Dawa</b>	678	28	-	-	-

#### 4. Hay

Geographic Area	Own Holding	Purchased	Communal/ Government Holding	From any Two or More Sources	Others
<b>Ethiopia</b>	2,823,248	701,696	107,245	679,788	61,842
<b>Tigray</b>	516,332	32,393	20,628	146,810	2,200
North West Tigray	103,488	7,994	3,501	31,723	-
Central Tigray	158,207	8,370	4,215	36,807	1,175
Eastern Tigray	88,967	6,091	8,812	28,753	-
Southern Tigray	116,730	4,191	881	34,573	523
Western Tigray	48,939	5,747	3,219	14,953	502
<b>Afar</b>	2,326	924	2,536	1,747	-
Zone 1	2,084	631	1,178	1,747	-
Zone 3	242	293	1,358	-	-
<b>Amhara</b>	1,473,517	436,811	53,345	409,453	36,432
North Gondar	244,444	68,810	8,932	60,832	7,319
South Gondar	219,280	95,683	2,913	84,009	6,683
North Wolo	133,754	23,672	3,371	27,438	1,425
South Wolo	290,819	61,235	3,344	107,530	1,691
North Shewa	204,672	33,914	3,021	48,588	8,674
East Gojam	82,099	42,686	23,881	31,347	1,607
West Gojam	138,080	72,821	2,282	27,323	2,662
Waghamera	61,448	3,453	4,244	6,299	4,517
Awi	64,689	25,469	431	9,170	1,622
Oromia	31,120	8,636	865	6,244	220
Argoba Special	3,114	433	61	674	12
<b>Oromia</b>	484,940	151,888	12,653	61,027	19,458
West Wellega	1,120	276	-	-	-
East Wellega	5,314	418	-	213	-
Illubabor	860	-	-	-	-
Jimma	3,449	816	-	403	-
West Shewa	54,018	38,927	1,197	6,818	1,235
North Shewa	142,149	41,357	3,827	41,637	10,783
East Shewa	21,034	1,160	324	363	3,526
Arsi	34,653	7,578	-	1,585	609
West Harerghe	43,352	17,967	1,520	1,668	607
East Harerghe	66,035	21,801	426	1,806	403
Bale	6,492	938	197	383	205
Borena	12,673	4,204	3,473	2,117	-
South West Shewa	39,400	9,427	1,462	2,394	1,443
Guji	14,753	1,508	228	-	-
West Arsi	31,774	4,117	-	649	648
Kelem Wellega	1,465	-	-	-	-
Horoguduru Wellega	6,400	1,393	-	991	-

TABLE 3-29 – b-4 CONT'D

Geographic Area	Own Holding	Purchased	Communal/ Government Holding	From any Two or More Sources	Others
<b>Somale</b>	8,115	907	1,805	156	-
Shinele	-	52	-	-	-
Jijiga	5,848	435	653	73	-
Liben	2,267	419	1,152	84	-
<b>Benshangul-Gumuz</b>	13,101	1,701	3,015	2,307	184
Metekel	9,618	1,564	1,704	1,522	85
Asosa	2,971	-	1,109	740	98
Kemeshi	71	138	-	-	-
Mao Komo	441	-	202	45	-
<b>SNNP</b>	323,776	76,838	13,264	58,224	3,511
Gurage	84,345	13,061	481	13,609	733
Hadiya	18,759	12,580	-	9,236	257
Kembata Tembaro	9,092	2,455	-	1,376	110
Sidama	31,328	14,110	610	2,489	-
Gedio	5,020	221	221	-	-
Wolayita	45,507	12,029	231	7,586	1,918
South Omo	830	1,415	113	-	-
Shaka	67	-	-	-	-
Kaffa	310	-	-	-	-
Gamo Gofa	44,769	6,487	7,884	8,437	273
Bench Maji	-	-	-	-	-
Yem Sp. Wereda	4,413	271	117	213	-
Amaro Sp. Wereda	1,225	297	-	60	-
Burji Sp. Wereda	616	144	-	-	-
Konso Sp. Wereda	18,191	257	80	86	80
Derashe Sp. Wereda	331	-	152	-	-
Dawro	4,582	611	287	2,389	94
Basketo Sp. Wereda	1,982	82	268	81	-
Konta Sp. Wereda	1,327	-	449	-	45
Silte	36,338	7,146	2,096	11,562	-
Alaba Sp. Wereda	14,745	5,673	273	1,101	-
<b>Gambela Region</b>	26	-	-	-	-
Angnuwak	26	-	-	-	-
Nuware	-	-	-	-	-
Mezhenger	-	-	-	-	-
Itang Special	-	-	-	-	-
<b>Harari</b>	917	-	-	63	-
Hundene	917	-	-	63	-
<b>Dire Dawa</b>	199	233	-	-	56

## 5. By-Product

Geographic Area	Own Holding	Purchased	Communal/ Government Holding	From any Two or More Sources	Others
<b>Ethiopia</b>	310,134	444,742	3,349	39,617	9,077
<b>Tigray</b>	28,963	18,925	-	4,739	239
North West Tigray	16,799	2,026	-	2,818	-
Central Tigray	3,439	2,440	-	227	-
Eastern Tigray	3,439	5,568	-	194	-
Southern Tigray	1,308	4,604	-	218	-
Western Tigray	3,979	4,287	-	1,281	239
<b>Afar</b>	530	3,418	264	91	83
Zone 1	417	2,877	91	91	83
Zone 3	113	540	173	-	-
<b>Amhara</b>	58,073	52,348	998	11,881	2,191
North Gondar	10,451	17,035	-	375	1,204
South Gondar	7,322	3,358	636	5,389	417
North Wolo	1,209	2,129	-	253	-
South Wolo	407	5,924	-	1,262	-
North Shewa	1,482	13,759	-	2,325	-
East Gojam	20,838	4,684	362	752	-
West Gojam	9,954	4,192	-	1,500	487
Waghamera	1,957	-	-	-	83
Awi	4,026	883	-	-	-
Oromia	343	347	-	-	-
Argoba Special	85	37	-	24	-
<b>Oromia</b>	133,801	230,449	651	18,830	5,430
West Wellega	4,489	337	-	1,121	-
East Wellega	7,299	2,643	-	687	168
Illubabor	25,767	3,503	-	327	170
Jimma	4,404	2,398	-	367	367
West Shewa	26,314	11,719	-	-	894
North Shewa	6,846	15,024	156	1,692	736
East Shewa	3,736	49,779	-	215	-
Arsi	5,810	43,189	-	4,314	1,204
West Harerghe	1,253	8,367	-	-	-
East Harerghe	8,187	53,835	374	369	-
Bale	5,797	13,089	-	-	204
Borena	890	1,542	-	171	-
South West Shewa	18,540	9,895	-	1,272	749
Guji	3,907	2,312	-	3,528	-
West Arsi	4,438	12,720	-	4,564	937
Kelem Wellega	1,980	-	120	-	-
Horoguduru Wellega	4,144	98	-	203	-

TABLE 3-29 – b-5 CONT'D

Geographic Area	Own Holding	Purchased	Communal/ Government Holding	From any Two or More Sources	Others
<b>Somale</b>	1,486	582	-	218	-
Shinele	35	437	-	-	-
Jijiga	1,451	145	-	218	-
Liben	-	-	-	-	-
<b>Benshangul-Gumuz</b>	1,312	130	-	94	206
Metekel	89	-	-	-	170
Asosa	555	95	-	-	-
Kemeshi	339	35	-	71	36
Mao Komo	329	-	-	22	-
<b>SNNP</b>	83,412	128,046	1,436	3,676	849
Gurage	17,430	8,788	-	-	-
Hadiya	3,384	7,267	-	-	-
Kembata Tembaro	4,340	16,828	-	763	-
Sidama	4,300	52,050	-	678	-
Gedio	3,725	4,340	1,154	-	-
Wolayita	516	30,699	-	-	-
South Omo	245	-	-	-	-
Shaka	7,652	121	66	61	369
Kaffa	9,270	-	-	205	355
Gamo Gofa	875	-	-	-	-
Bench Maji	20,377	1,904	122	242	126
Yem Sp. Wereda	63	-	-	-	-
Amaro Sp. Wereda	-	60	-	-	-
Burji Sp. Wereda	-	-	-	-	-
Konso Sp. Wereda	1,249	89	-	89	-
Derashe Sp. Wereda	1,267	45	-	90	-
Dawro	85	171	-	-	-
Basketo Sp. Wereda	25	-	-	30	-
Konta Sp. Wereda	602	96	-	-	-
Silte	5,073	4,282	-	287	-
Alaba Sp. Wereda	2,933	1,306	94	1,233	-
<b>Gambela Region</b>	2,188	85	-	65	79
Angnuwak	355	23	-	-	-
Nuware	-	-	-	-	-
Mezhenger	1,833	62	-	65	63
Itang Special	-	-	-	-	16
<b>Harari</b>	277	6,234	-	24	-
Hundene	277	6,234	-	24	-
<b>Dire Dawa</b>	91	4,527	-	-	-

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>	48,021	56,700	41,626	25,336	6,338
<b>Tigray</b>	18,468	10,490	10,273	13,459	2,507
North West Tigray	2,631	875	-	523	174
Central Tigray	5,339	1,194	3,481	4,756	1,440
Eastern Tigray	4,568	2,722	5,017	6,169	194
Southern Tigray	5,806	5,698	1,548	1,784	698
Western Tigray	125	-	226	226	-
<b>Afar</b>	-	317	-	-	-
Zone 1	-	317	-	-	-
Zone 3	-	-	-	-	-
<b>Amhara</b>	10,779	29,607	8,503	8,375	1,901
North Gondar	-	415	1,211	-	-
South Gondar	826	1,255	407	419	-
North Wolo	-	477	238	-	-
South Wolo	1,740	2,069	2,118	1,332	407
North Shewa	873	865	294	285	-
East Gojam	5,504	10,886	1,934	1,934	1,225
West Gojam	1,521	13,124	1,962	1,875	-
Waghamera	105	-	-	2,426	-
Awi	-	412	-	-	269
Oromia	208	105	338	104	-
Argoba Special	-	-	-	-	-
<b>Oromia</b>	10,581	7,054	7,723	1,808	203
West Wellega	189	160	523	-	-
East Wellega	-	-	808	-	-
Illubabor	177	-	813	-	-
Jimma	559	388	367	724	-
West Shewa	831	1,264	2,257	-	-
North Shewa	266	-	-	259	-
East Shewa	535	357	1,014	-	203
Arsi	632	-	295	-	-
West Harerghe	659	2,828	302	571	-
East Harerghe	5,175	437	461	-	-
Bale	204	636	-	-	-
Borena	357	-	-	-	-
South West Shewa	544	689	450	-	-
Guji	355	-	-	254	-
West Arsi	-	-	-	-	-
Kelem Wellega	-	-	433	-	-
Horoguduru Wellega	98	295	-	-	-

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>	84	-	-	-	-
Shinele	-	-	-	-	-
Jijiga	-	-	-	-	-
Liben	84	-	-	-	-
<b>Benshangul-Gumuz</b>	-	92	188	-	-
Metekel	-	-	95	-	-
Asosa	-	92	92	-	-
Kemeshi	-	-	-	-	-
Pawe Special	-	-	-	-	-
Mao Komo	-	-	-	-	-
<b>SNNP</b>	8,071	9,101	14,128	1,694	1,727
Gurage	1,457	1,680	2,807	967	-
Hadiya	238	238	1,471	-	-
Kembata Tembaro	214	107	349	117	-
Sidama	1,675	-	-	610	1,064
Gedio	-	221	249	-	-
Wolayita	229	749	1,410	-	247
South Omo	212	-	1,259	-	-
Shaka	-	83	249	-	-
Kaffa	-	-	2,328	-	364
Gamo Gofa	3,679	1,692	1,089	-	-
Bench Maji	123	133	777	-	-
Yem Sp. Wereda	-	31	188	-	-
Amaro Sp. Wereda	-	-	-	-	-
Burji Sp. Wereda	-	18	-	-	-
Konso Sp. Wereda	-	3,832	246	-	-
Derashe Sp. Wereda	-	-	290	-	52
Dawro	-	90	455	-	-
Basketo Sp. Wereda	-	-	131	-	-
Konta Sp. Wereda	-	-	48	-	-
Silte	244	226	693	-	-
Alaba Sp. Wereda	-	-	88	-	-
<b>Gambela Region</b>	-	-	-	-	-
Angnuwak	-	-	-	-	-
Nuware	-	-	-	-	-
Mezhenger	-	-	-	-	-
Itang Special	-	-	-	-	-
<b>Harari</b>	-	-	-	-	-
Hundene	-	-	-	-	-
<b>Dire Dawa</b>	39	39	812	-	-

**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 .....	53,382,194	678,893	1.27	25,509,004	722,885	2.83	22,786,946	698,993	3.07
Tigray .....	3,630,957	203,387	5.6	1,255,403	126,088	10.04	3,049,486	271,207	8.89
Afar .....	899,078	119,837	13.33	990,378	161,582	16.32	1,774,875	230,041	12.96
Amhara .....	13,371,486	295,059	2.21	8,679,879	501,499	5.78	5,176,309	310,013	5.99
Oromia .....	22,958,489	442,099	1.93	8,815,290	354,519	4.02	7,531,445	387,868	22,958,489
Somali .....	610,514	50,357	8.25	1,054,287	132,116	12.53	1,411,481	104,748	7.42
Benshangul-Gumuz .....	502,857	43,917	8.73	105,724	14,100	13.34	446,484	55,049	12.33
SNNP .....	11,060,053	342,712	3.1	4,497,169	292,560	6.51	3,086,531	317,185	10.28
Gambella .....	253,389	26,621	10.51	39,564	8,353	21.11	83,897	12,554	14.96
Harari .....	52,245	4,941	9.46	5,631	1,059	18.81	45,256	3,595	7.94
Dire Dawa .....	43,128	2,803	6.5	65,678	7,397	11.26	181,181	28,117	15.52

Annex Table 1-Cont'd

Geographic Area	HORSES			MULES			DONKEYS			CAMELS		
	Number	SE	CV	Number	SE	CV	Number	SE	CV	Number	SE	CV
Ethiopia .....	2,028,233	106,132	5.23	385,374	19,918	5.17	6,209,665	104,326	1.68	1,102,119	134,502	12.2
Tigray .....	2,108	715	33.93	4,229	1,213	28.68	568,121	23,143	4.07	34,205	8,363	24.45
Afar .....	-	-	-	334	198	59.2	65,951	13,585	20.6	379,228	93,853	24.75
Amhara .....	396,231	49,309	12.44	120,459	11,743	9.75	2,241,741	62,517	2.79	51,472	12,743	24.76
Oromia .....	1,176,301	82,972	7.05	181,381	14,504	8	2,617,107	71,454	2.73	326,069	84,434	25.89
Somali .....	-	-	-	1,016	838	82.45	100,367	6,087	6.07	301,323	43,767	14.53
Benshangul-Gumuz .....	1,481	966	65.24	2,624	657	25.05	64,639	6,438	9.96	-	-	-
SNNP .....	451,799	44,123	9.77	75,331	6,768	8.98	526,621	32,678	6.21	1,927	1,721	89.31
Gambella .....	312	156	50.03	-	-	-	448	372	82.98	-	-	-
Harari .....	-	-	-	-	-	-	9,679	1,105	11.42	1,469	853	58.04
Dire Dawa .....	-	-	-	-	-	-	14,992	1,417	9.45	6,425	1,287	20.04

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 .....	2,348,148	47,176	2.01	2,176,962	43,910	2.02	3,606,810	63,652	1.76	14,884,790	183,603	1.23	2,348,148	47,176	2.01
Tigray .....	163,616	12,164	7.43	123,275	10,410	8.44	243,496	12,747	5.24	1,127,782	46,340	4.11	163,616	12,164	7.43
Afar .....	41,740	5,055	12.11	32,563	4,975	15.28	32,541	5,733	17.62	76,552	10,611	13.86	41,740	5,055	12.11
Amhara .....	532,240	24,138	4.54	378,167	16,609	4.39	926,626	29,510	3.18	4,605,562	94,032	2.04	491,780	38,628	7.85
Oromia .....	968,899	29,021	3	1,017,417	31,400	3.09	1,610,162	42,500	2.64	6,592,895	122,090	1.85	267,405	22,985	8.6
Somali .....	39,236	3,578	9.12	23,853	2,431	10.19	34,931	4,284	12.26	84,732	8,457	9.98	1,563	1,219	78
Benshangul-Gumuz .....	20,713	3,354	16.19	24,675	3,104	12.58	38,312	4,552	11.88	132,951	11,815	8.89	9,613	2,809	29.22
SNNP .....	560,557	24,487	4.37	556,434	22,688	4.08	694,686	33,688	4.85	2,227,503	86,494	3.88	40,411	9,214	22.8
Gambella.....	16,172	1,798	11.12	16,653	1,634	9.81	15,842	2,168	13.69	21,808	2,799	12.84	316	184	58.15
Harari .....	3,189	367	11.5	2,302	318	13.82	5,588	473	8.47	7,470	1,183	15.84	-	-	-
Dire Dawa .....	1,786	275	15.41	1,622	267	16.49	4,625	477	10.31	7,534	662	8.78	39	37	95.88

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 .....	2,599,782	56,337	2.17	2,492,152	54,111	2.17	4,621,923	87,131	1.89	19,082,651	276,645	1.45	668,339	36,341	5.44
Tigray .....	187,226	17,097	9.13	158,579	14,123	8.91	293,070	17,864	6.1	1,188,850	84,940	7.14	57,320	8,826	15.4
Afar .....	72,789	9,935	13.65	62,235	9,768	15.7	106,830	21,016	19.67	453,549	59,773	13.18	18,510	10,749	58.07
Amhara .....	568,798	25,985	4.57	410,335	19,942	4.86	1,024,981	37,673	3.68	4,210,501	113,672	2.7	222,494	18,889	8.49
Oromia .....	1,091,334	36,125	3.31	1,153,884	39,250	3.4	1,972,856	56,690	2.87	8,041,662	178,917	2.22	241,975	20,131	8.32
Somali .....	46,164	4,871	10.55	37,544	4,385	11.68	66,672	10,606	15.91	269,038	21,260	7.9	6,780	3,152	46.49
Benshangul-Gumuz .....	21,174	2,892	13.66	20,818	2,989	14.36	48,942	5,077	10.37	176,511	16,385	9.28	9,147	2,440	26.68
SNNP .....	583,617	27,493	4.71	618,037	25,450	4.12	1,069,263	45,189	4.23	4,602,845	141,324	3.07	106,699	18,574	17.41
Gambella.....	22,781	3,785	16.62	25,809	4,323	16.75	28,304	4,124	14.57	101,036	10,593	10.48	4,668	2,062	44.17
Harari .....	3,482	428	12.29	3,155	461	14.63	5,430	557	10.26	21,345	2,347	11	286	117	41.07
Dire Dawa .....	2,416	376	15.58	1,757	268	15.26	5,574	591	10.6	17,314	1,183	6.83	461	153	33.14

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 .....	3,270,863	96,059	2.94	1,099,170	39,697	3.61	934,179	46,915	5.02	1,662,047	82,250	4.95
Tigray.....	135,201	13,922	10.3	64,175	8,797	13.71	39,610	5,999	15.15	95,457	16,627	17.42
Afar .....	67,484	10,359	15.35	45,655	8,706	19.07	50,899	11,051	21.71	90,317	18,481	20.46
Amhara .....	1,199,098	71,742	5.98	325,936	25,389	7.79	306,355	30,723	10.03	536,379	45,901	8.56
Oromia .....	1,275,136	54,121	4.24	374,979	20,436	5.45	271,584	18,617	6.86	446,368	33,984	7.61
Somali .....	80,457	8,392	10.43	64,561	10,020	15.52	79,527	22,771	28.63	158,784	37,322	23.51
Benshangul-Gumuz .....	15,499	2,167	13.98	4,770	925	19.4	5,172	1,030	19.92	6,330	1,356	21.42
SNNP .....	485,630	27,817	5.73	213,463	16,082	7.53	176,188	15,245	8.65	319,345	38,572	12.08
Gambella.....	3,869	719	18.57	2,185	430	19.7	1,807	491	27.19	4,165	1,031	24.75
Harari .....	909	282	31.05	275	144	52.16	410	135	32.96	280	80	28.64
Dire Dawa.....	7,581	848	11.18	3,171	602	18.99	2,626	409	15.57	4,622	1,253	27.11

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 .....	3,506,824	106,524	3.04	1,459,251	54,407	3.73	1,657,483	66,378	4	11,919,187	348,585	2.92
Tigray.....	148,070	18,229	12.31	88,178	10,811	12.26	94,415	12,312	13.04	590,298	56,833	9.63
Afar .....	97,955	15,064	15.38	76,890	14,717	19.14	111,059	23,270	20.95	450,119	76,926	17.09
Amhara .....	1,274,646	77,908	6.11	381,257	29,233	7.67	435,997	36,010	8.26	4,220,210	248,567	5.89
Oromia .....	1,337,765	57,927	4.33	507,205	26,741	5.27	535,958	33,202	6.19	4,066,295	167,042	4.11
Somali .....	98,249	9,364	9.53	88,628	11,719	13.22	101,128	14,823	14.66	382,953	53,670	14.01
Benshangul-Gumuz .....	16,891	2,551	15.1	7,335	1,544	21.05	6,808	1,362	20	42,920	5,866	13.67
SNNP .....	520,251	35,588	6.84	302,353	30,259	10.01	362,135	33,005	9.11	2,117,804	140,503	6.63
Gambella.....	4,953	1,346	27.17	3,607	1,105	30.62	3,752	1,503	40.07	15,226	2,727	17.91
Harari .....	553	168	30.3	261	77	29.32	357	123	34.38	2,586	490	18.94
Dire Dawa.....	7,491	756	10.09	3,536	656	18.54	5,875	817	13.9	30,776	3,415	11.1

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 .....	2,533,036	71,182	2.81	1,276,786	48,710	3.82	1,033,521	46,970	4.54	1,984,080	101,436	5.11
Tigray.....	264,449	19,779	7.48	180,254	25,454	14.12	137,123	18,134	13.22	285,816	40,249	14.08
Afar .....	121,204	15,714	12.97	77,217	12,626	16.35	85,858	15,456	18	138,876	23,116	16.64
Amhara .....	635,749	36,229	5.7	272,293	20,293	7.45	237,254	22,623	9.54	518,394	47,539	9.17
Oromia .....	983,540	48,042	4.88	441,114	26,227	5.95	313,118	21,796	6.96	512,576	36,183	7.06
Somali .....	122,868	9,640	7.85	79,135	7,660	9.68	70,502	7,283	10.33	155,597	20,115	12.93
Benshangul-Gumuz .....	61,527	7,543	12.26	24,151	3,128	12.95	16,199	2,778	17.15	26,271	4,219	16.06
SNNP .....	309,519	25,488	8.23	183,957	19,809	10.77	157,694	24,216	15.36	327,856	64,328	19.62
Gambella.....	8,504	1,237	14.55	6,081	1,250	20.56	3,850	710	18.44	5,010	1,049	20.93
Harari .....	5,187	616	11.87	2,581	351	13.6	2,729	423	15.49	3,733	551	14.75
Dire Dawa.....	20,489	2,598	12.68	10,002	1,786	17.86	9,194	1,922	20.9	9,952	1,963	19.72

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 .....	2,865,173	83,977	2.93	1,662,469	69,025	4.15	1,791,990	80,247	4.48	9,639,892	291,433	3.02
Tigray.....	327,138	25,920	7.92	274,233	35,487	12.94	276,164	27,424	9.93	1,304,310	108,890	8.35
Afar .....	190,994	24,793	12.98	149,926	24,673	16.46	209,114	37,718	18.04	801,685	103,287	12.88
Amhara .....	697,128	43,200	6.2	325,963	25,518	7.83	324,688	30,150	9.29	2,164,841	128,561	5.94
Oromia .....	1,025,140	52,697	5.14	523,781	39,461	7.53	520,146	44,197	8.5	3,212,031	168,541	5.25
Somali .....	170,067	14,199	8.35	116,875	11,767	10.07	136,088	14,467	10.63	560,348	44,360	7.92
Benshangul-Gumuz .....	67,201	9,660	14.38	38,005	6,510	17.13	42,895	6,182	14.41	170,235	21,828	12.82
SNNP .....	347,870	28,397	8.16	210,198	22,298	10.61	253,616	33,789	13.32	1,295,823	121,947	9.41
Gambella.....	11,635	1,988	17.09	8,341	1,441	17.28	8,917	2,088	23.42	31,559	4,924	15.6
Harari .....	5,015	554	11.05	3,035	405	13.34	3,400	389	11.43	19,576	1,538	7.86
Dire Dawa.....	22,987	4,089	17.79	12,112	2,787	23.01	16,962	2,950	17.39	79,484	11,491	14.46

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 .....	177,439	12,680	7.15	827,719	44,327	5.36	184,440	13,809	7.49	838,634	51,612	6.15
Tigray .....	-	-	-	1,448	585	40.42	194	194	99.82	465	368	79.06
Afar .....	-	-	-	-	-	-	-	-	-	-	-	-
Amhara .....	34,316	6,316	18.4	135,712	17,925	13.21	31,738	5,340	16.83	194,465	28,531	14.67
Oromia .....	108,355	9,890	9.13	503,296	34,652	6.88	109,399	10,998	10.05	455,252	37,529	8.24
Somali .....	-	-	-	-	-	-	-	-	-	-	-	-
Benshangul-Gumuz .....	85	84	98.02	606	355	58.49	177	172	97.23	613	454	74.12
SNNP .....	34,683	4,805	13.86	186,345	21,032	11.29	42,932	6,415	14.94	187,839	21,000	11.18
Gambella.....	-	-	-	312	156	50.03	-	-	-	-	-	-
Harari .....	-	-	-	-	-	-	-	-	-	-	-	-
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 .....	664,381	20,118	3.03	2,257,591	56,880	2.52	660,993	20,678	3.13	2,626,700	59,890	2.28
Tigray .....	57,285	4,933	8.61	248,432	16,540	6.66	51,182	4,728	9.24	211,222	12,620	5.97
Afar .....	5,744	1,299	22.62	19,791	4,730	23.9	6,300	1,683	26.71	34,116	7,423	21.76
Amhara .....	285,375	14,780	5.18	685,555	34,714	5.06	281,117	14,577	5.19	989,694	36,395	3.68
Oromia .....	262,904	11,800	4.49	988,143	38,399	3.89	268,650	12,931	4.81	1,097,410	41,223	3.76
Somali .....	7,195	1,126	15.65	49,854	3,585	7.19	6,100	808	13.25	37,218	3,224	8.66
Benshangul-Gumuz .....	6,204	1,052	16.95	32,858	3,599	10.95	5,866	1,002	17.08	19,710	3,151	15.99
SNNP .....	37,554	4,303	11.46	224,014	15,264	6.81	39,305	4,573	11.63	225,749	18,084	8.01
Gambella.....	-	-	-	448	372	82.98	-	-	-	-	-	-
Harari .....	567	162	28.63	4,942	833	16.85	637	141	22.19	3,532	610	17.27
Dire Dawa.....	1,554	283	18.18	3,553	498	14.03	1,837	282	15.37	8,047	886	11.01

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 .....	24,412	3,641	14.92	168,892	10,691	6.33	24,456	3,359	13.74	167,615	11,139	6.65
Tigray.....	-	-	-	2,401	883	36.79	-	-	-	1,828	781	42.74
Afar .....	-	-	-	334	198	59.2	-	-	-	-	-	-
Amhara .....	14,135	3,015	21.33	41,445	6,083	14.68	13,354	2,587	19.37	51,525	6,392	12.41
Oromia .....	8,080	1,897	23.48	82,355	7,473	9.07	8,967	2,042	22.78	81,980	8,250	10.06
Somali .....	-	-	-	939	773	82.35	-	-	-	77	67	87.7
Benshangul-Gumuz .....	-	-	-	1,499	456	30.41	89	88	99.55	1,036	324	31.3
SNNP .....	2,197	756	34.42	39,919	4,451	11.15	2,046	643	31.44	31,169	3,801	12.19
Gambella.....	-	-	-	-	-	-	-	-	-	-	-	-
Harari .....	-	-	-	-	-	-	-	-	-	-	-	-
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 .....	121,911	15,210	12.48	235,387	25,164	10.69	151,260	22,436	14.83	593,561	84,356	14.21
Tigray.....	6,567	2,915	44.39	26,667	6,348	23.8	-	-	-	971	682	70.2
Afar .....	30,731	8,144	26.5	59,125	12,914	21.84	50,622	13,929	27.52	238,750	63,568	26.63
Amhara .....	5,984	2,535	42.36	41,372	8,311	20.09	1,116	917	82.19	2,999	2,364	78.84
Oromia .....	45,241	11,262	24.89	44,174	16,474	37.29	54,235	16,069	29.63	182,420	49,005	26.86
Somali .....	32,052	4,810	15.01	60,049	9,122	15.19	44,053	7,089	16.09	165,169	25,824	15.63
Benshangul-Gumuz .....	-	-	-	-	-	-	-	-	-	-	-	-
SNNP .....	245	244	99.61	1,576	1,468	93.15	-	-	-	106	105	98.57
Gambella.....	-	-	-	-	-	-	-	-	-	-	-	-
Harari .....	204	108	52.87	131	117	89.46	284	168	59.21	850	492	57.88
Dire Dawa .....	887	226	25.47	2,294	540	23.55	949	204	21.52	2,296	560	24.41

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 .....	49,286,932	675,897	1.37	5,614,700	86,951	1.55	2,771,221	77,548	2.8	4,878,184	108,950	2.23	1,834,686	67,341	3.67	18,294,799	367,234	2.01	15,893,342	199,510	1.26
Tigray .....	4,308,595	178,123	4.13	434,837	19,995	4.6	295,208	24,874	8.43	465,162	32,905	7.07	234,683	19,019	8.1	1,666,593	97,092	5.83	1,212,112	40,843	3.37
Afar .....	67,319	18,622	27.66	6,961	1,830	26.28	3,584	1,618	45.14	7,568	2,582	34.12	7,084	2,247	31.72	27,007	8,138	30.13	15,115	4,260	28.18
Amhara .....	14,048,486	384,876	2.74	1,454,716	43,383	2.98	697,807	47,731	6.84	1,403,711	65,209	4.65	475,076	35,546	7.48	5,495,468	234,857	4.27	4,521,710	106,048	2.35
Oromia .....	18,762,281	427,028	2.28	2,317,365	58,701	2.53	1,035,228	45,129	4.36	1,689,820	62,922	3.72	712,261	43,844	6.16	6,616,582	218,153	3.3	6,391,025	135,351	2.12
Somali .....	106,114	16,467	15.52	16,357	2,599	15.89	11,396	3,632	31.87	9,521	1,607	16.88	7,451	1,719	23.07	24,067	6,857	28.49	37,323	6,167	16.52
Benshangul-Gumuz .....	1,149,069	59,990	5.22	103,491	7,835	7.57	82,678	7,850	9.49	132,891	9,790	7.37	26,509	5,153	19.44	549,648	34,158	6.21	253,852	13,509	5.32
SNNP .....	10,407,807	298,892	2.87	1,223,503	41,774	3.41	608,503	31,334	5.15	1,108,252	49,355	4.45	359,446	30,764	8.56	3,771,402	145,775	3.87	3,336,701	90,897	2.72
Gambella .....	303,019	31,642	10.44	40,220	3,796	9.44	29,946	4,482	14.97	45,301	5,665	12.5	9,433	2,457	26.04	107,690	12,006	11.15	70,429	7,366	10.46
Harari .....	53,277	5,622	10.55	7,985	887	11.11	3,320	631	19.01	6,198	1,096	17.68	1,655	439	26.53	14,883	1,971	13.24	19,237	2,614	13.59
Dire Dawa .....	80,963	6,364	7.86	9,265	1,026	11.08	3,551	547	15.4	9,760	1,261	12.92	1,089	368	33.82	21,461	2,512	11.7	35,838	2,829	7.89

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 .....	5,130,322	267,080	5.21	4,944,380	266,377	5.39	41,684	6,863	16.46	144,258	14,775	10.24
Tigray .....	213,133	20,560	9.65	166,504	18,216	10.94	3,081	1,342	43.55	43,548	8,767	20.13
Afar .....	687	472	68.68	687	472	68.68	-	-	-	-	-	-
Amhara .....	911,986	56,875	6.24	849,453	55,343	6.52	14,779	4,163	28.17	47,754	7,025	14.71
Oromia .....	2,761,204	219,026	7.93	2,703,150	218,837	8.1	17,720	4,907	27.69	40,334	8,638	21.42
Somali .....	620	246	39.74	450	193	42.9	25	26	104.97	145	147	101.19
Benshangul-Gumuz .....	259,005	45,751	17.66	257,750	45,766	17.76	300	204	68.01	955	529	55.39
SNNP .....	922,420	131,822	14.29	906,108	131,711	14.54	5,725	1,962	34.28	10,588	4,118	38.9
Gambella .....	59,327	15,217	25.65	58,490	15,154	25.91	56	55	97.74	782	447	57.2
Harari .....	1,043	284	27.19	953	272	28.5	-	-	-	90	64	70.96
Dire Dawa .....	897	286	31.92	835	267	32.02	-	-	-	62	41	65.81



## **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 2008/09 (2001 E.C.), Livestock Sample Survey

Region	Stratum	Enumeration Areas		Households	
	Zone/Sp.Wereda	Planned	Covered	Planned	Covered
Tigray	North Western Tigray	31	31	930	928
	Central Tigray	39	38	1170	1138
	Eastern Tigray	29	29	870	868
	Southern Tigray	38	37	1140	1106
	Western Tigray	25	25	750	750
	<b>Region Total</b>	<b>162</b>	<b>160</b>	<b>4860</b>	<b>4790</b>
Afar	Zone One	30	28	900	835
	Zone Three	20	17	600	461
	<b>Region Total</b>	<b>50</b>	<b>45</b>	<b>1500</b>	<b>1296</b>
Amhara	North Gonder		49	1470	1467
	South Gonder	45	45	1350	1345
	North Wello	46	46	1380	1379
	South Wello	49	49	1470	1467
	North Shewa	47	46	1410	1380
	East Gojam	47	47	1410	1409
	West Gojam	46	46	1380	1380
	Wag Hemira	29	28	870	840
	Awi	32	32	960	955
	Oromia	28	28	840	839
	Argoba Special Woreda	20	20	600	600
	<b>Region Total</b>	<b>438</b>	<b>436</b>	<b>13140</b>	<b>13061</b>
Oromia	West Wellega	43	43	1290	1290
	East Wellega	40	40	1200	1198
	Illubabor	48	48	1440	1437
	Jimma	47	47	1410	1409
	West Shewa	44	44	1320	1316
	North Shewa	39	38	1170	1138
	East Shewa	40	39	1200	1163
	Arsi	53	53	1590	1585
	West Harerghe	41	41	1230	1226
	East Harerghe	48	47	1440	1408
	Bale	44	44	1320	1318
	Borena	37	37	1110	1102
	South West Shewa	38	38	1140	1138
	Guji	38	38	1140	1138
	Kelem Wellega	36	36	1080	1076
	Horoguduru Wellega	37	36	1110	1080
	West Arsi	39	38	1170	1140
	<b>Region Total</b>	<b>712</b>	<b>707</b>	<b>21360</b>	<b>21162</b>

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

Region	Stratum	Enumeration Areas		Households	
	Zone/Sp.wereda	Planned	Covered	Planned	Covered
Somali	Shinile	20	20	600	572
	Jijiga	28	28	840	836
	Liben	24	24	720	713
	<b>Region Total</b>	<b>72</b>	<b>72</b>	<b>2160</b>	<b>2121</b>
Benishangul-Gumuz	Metekel	30	30	900	898
	Asosa	26	26	780	780
	Kemashi	20	20	600	600
	Maokomo	20	20	600	600
	<b>Region Total</b>	<b>96</b>	<b>96</b>	<b>2880</b>	<b>2878</b>
SNNP	Guraghe	41	41	1230	1230
	Hadiya	33	33	990	990
	Kembata_Tambaro	33	33	990	989
	Sidama	45	45	1350	1346
	Gedeo	34	34	1020	1019
	Wolayita	39	39	1170	1169
	South Omo	36	33	1080	985
	Shaka	24	24	720	714
	Keffa	37	37	1110	1104
	Gamo_Gofa	42	42	1260	1257
	Benchi_Maji	36	36	1080	1067
	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	600
	Derashe Special Wereda	20	20	600	599
	Dawro	32	32	960	956
	Basketo Special Wereda	20	20	600	596
	Konta Special Wereda	20	20	600	600
	Siltie	30	30	900	900
	Alaba Special Wereda	20	20	600	599
	<b>Region Total</b>	<b>622</b>	<b>619</b>	<b>18660</b>	<b>18519</b>
Gambella	Agnuak	24	24	720	718
	Nuer	18	11	540	330
	Mejenger	20	20	600	600
	Etang Special Woreda	18	12	540	360
	<b>Region Total</b>	<b>80</b>	<b>67</b>	<b>2400</b>	<b>2008</b>
Harari	<b>Harari</b>	24	24	720	720
Dire Dawa	<b>Dire Dawa</b>	24	24	720	714
Country Total		<b>2280</b>	<b>2250</b>	<b>68400</b>	<b>67269</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  $i^{\text{th}}$  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  $i^{\text{th}}$  EA and  $h^{\text{th}}$  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  $j^{\text{th}}$  agricultural household in the  $i^{\text{th}}$  EA and  $h^{\text{th}}$  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 - 2010/11 (2003 E.C.)**

**Part I - Identification Particulars**

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

**PART II - LIVESTOCK POPULATION AND PRODUCTS****QST I - Did You Have Livestock and/or Beehives on November 10, 2010?**
☐ Yes Complete questions below

☐ No – End of the question
**Number of Cattle by Age and Purpose on Nov 10, 2010**

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 – 2003/7 Cont'd**

**Number of Sheep by Age and Purpose on Nov 10, 2010**

	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, 2010**

	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 –2003/7 Cont'd**

**Number of Horses, Mules, Donkeys and Camels by age and Purpose on Nov 10, 2010**

**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 – 2003/7 Cont'd**

**Poultry**

8. Poultry total on **Nov 10, 2010**

- 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, 2009 to Nov 10, 2010)?**

**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 – 2003/7 Cont'd

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

11. Dairy cows and Camels

	None		
a. Cows that gave milk during the reference Period _____		239	
b. Average number of months cows actually milked _____		240	
c. Average lactation period of cows in months _____		241	
d. Milk production per day per cow in liters _____		242	
e. Camels that gave milk during the reference period _____		243	
f. Average number of months camels actually milked _____		244	
g. Average lactation period of camels in months _____		245	
h. Milk production per day per camel _____		246	

	None	Indigenous	Hybrid	Exotic
12. Egg production per hen per clutch _____		247	248	249
13. Average number of days per clutch _____		250	251	252
14. Total Number of clutch during the reference period _____		253	254	255

**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]

## 18. Livestock Feeds utilized during the reference period

1	2	3	4	5	5	6
Sr. No.	Type of Livestock Feed	Code	Utilized yes=1 no=2	Percent from the total feed 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