

CHAPTER VII

SIZE, CHARACTERISTICS AND PURPOSE OF LIVESTOCK AND USE OF LIVESTOCK PRODUCTS

1 INTRODUCTION

Ethiopia is one of the most populous countries in Africa, having an estimated population of about 67.2 million in July 2002 with annual growth rate of 2.9%. This growing population demands much better economic performance than in the past, at least to ensure food security and other basic needs. The dominant economic feature of the country is the agriculture sector of which livestock is a very important and essential component. The highlanders raise livestock together with crop cultivation for their livelihood whereas the lowlanders or the ‘pastoralists’ subsistence is based mainly on livestock and livestock products. Consequently, the government should give due attention to this sector in order to take advantage of its contribution to the economic growth and as a result to meet the needs of the expanding population.

The livestock sector has been contributing significant portion to the economy of Ethiopia, but still has great potential to assist the economic development of this country. It is well known that livestock products and byproducts in the form of meat, milk, honey, eggs, cheese, and butter supply the needed animal protein that contribute to the improvement of the nutritional status of the people. Livestock also plays an important role in providing export commodities, such as live animals, hides and skins to earn foreign exchanges to the country. On the other hand, draught animals provide power for the cultivation of the small holdings 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.

By virtue of the important role that the livestock sector plays in the economy of the country, formulation of development plan regarding the sector is vital. 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 more often than not using surveys and censuses. The Central Statistical Authority (CSA) has been generating livestock data through sample surveys since 1981 (1973 E.C.). However, based on the results of these surveys, CSA was not able to satisfy the growing demand of the data users regarding the sector. Realizing this fact, CSA proposed and conducted the first agricultural census in the year 2001/02.

As mentioned earlier in Chapter II, agricultural censuses are classified into two categories: censuses conducted by complete enumeration or conducted by sample enumeration. In agricultural censuses conducted by complete enumeration, data are collected from all holders and the result for each variable is obtained by totaling the values of the respective variable from all holders. On the other hand, agricultural censuses conducted based on sample enumeration are probability sample surveys for which a sample is selected and the method of estimation for each census variable permits establishing its statistical precision. Therefore, conducting complete enumeration is more expensive, time consuming and requires large number of personnel. Likewise, quantity of data to be processed is very large (FAO, 1996). By considering these realities and the economic condition of the country, the sample enumeration was favored.

The livestock census was carried-out as part of the agricultural census. The general objective of the livestock census is to establish benchmark data that could be used for development planning and policy formulation regarding the sector, and the specific

objectives are to purvey quantitative information on the size and characteristics of the livestock in rural and urban areas at wereda level, and to provide estimates on size and characteristics of livestock for pastoral areas and commercial farms. 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; livestock product utilization; and animal feed were collected from sampled agricultural households in rural and urban areas as well as from all commercial farms. In addition, these same data will be collected from pastoral areas in the near future.

The expected users of these data are government organizations involved in planning purposes, individuals or firms raising livestock, non-governmental organizations that provide technical and financial assistance, international organizations which are interested in livestock, and research organizations.

In this chapter of the report: estimates of livestock that include cattle, sheep, goats, draught animals (horses, mules, asses and camels), poultry and bees were made based on the information obtained from the holders within the selected agricultural households both in rural and urban areas of the Addis Ababa City Administration as to the reference date (February 8,2002) and reference period (February 9,2001 to February 8, 2002). Thus, the results obtained from the livestock census for the rural and urban areas of the City Administration as well as brief discussions made on the results are presented. Also the census results at zonal and wereda levels are provided in Statistical Tables 7.1–7.36. Moreover, the estimates, standard errors (SE) and coefficients of variation (CV) are given in Annex Tables 7.1-7.9 for some relevant variables.

2. LIVESTOCK NUMBER BY BREED, AGE, SEX, AND PURPOSE

The livestock census is the first of its kind in the nation to supply data on the size and characteristics of livestock for rural and urban areas and commercial farms at wereda

level, and also for pastoral areas though the census not yet conducted. The livestock census that was carried-out in Addis Ababa City Administration was part of the national census and covered both rural and urban areas of the City Administration on sample basis. Commercial farms that are found in the City Administration were also covered on complete enumeration basis though the results are not presented here.

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 (February 8, 2002), irrespective of ownership, were recorded by interviewing each holder in the sampled agricultural households both in rural and urban areas of the Addis Ababa City Administration. The numbers also include the livestock belonging to the holding but temporarily away or in transit at the time of the enumeration.

2.1 Cattle

The estimates of cattle for rural and urban areas in Addis Ababa City Administration are presented in Summary Table VII.1. As shown on the table, the total cattle population for the region is estimated to be 97,215. Out of this total cattle population, the female cattle constitute about 50.9 percent (49,487) and the remaining 49.1 percent (47,728) are male cattle. The majority (68 percent) of the cattle population is found in rural areas, while 32 percent is accounted for urban areas.

Regarding age groups, the majority of the cattle population (that is about 64.2 percent) is in the 3 years and under 10 years age category, with about 32.5 percent male and about 31.8 percent female. Moreover, about 29.8 percent are under three years and small portion, which is about 6 percent, is in 10 years and older category (also see Fig VII.1). On the other hand, according to the results obtained, 87.5 percent of the cattle population are indigenous. Hybrid and exotic breeds accounted for 5.7 percent and 6.8 percent, respectively.

SUMMARY TABLE VII.1: Estimated Number of Cattle by Sex, Age, Breed, and Purpose for Rural and Urban Holdings

	Cattle on Both Rural and Urban Holdings						Cattle on Rural Holdings						Cattle on Urban Holdings					
	Total		Male		Female		Total		Male		Female		Total		Male		Female	
Age,Breed,and Purpose	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
Total.....	97,215	100	47,728	49.10	49,487	50.90	66,091	67.98	38,670	39.78	27,421	28.21	31,123	32.01	9,058	9.32	22,065	22.70
Under 6 months	8,294	8.53	3,670	3.78	4,624	4.76	4,046	4.16	1,804	1.86	2,242	2.31	4,248	4.37	1,866	1.92	2,382	2.45
6 months-under 1 year ...	7,154	7.36	3,027	3.11	4,127	4.25	3,814	3.92	1,603	1.65	2,211	2.27	3,340	3.44	1,424	1.46	1,916	1.97
1 year-under 3 years ...	13,504	13.89	5,085	5.23	8,419	8.66	8,441	8.68	3,563	3.67	4,878	5.02	5,063	5.21	1,522	1.57	3,542	3.64
3 years-under 10 years ...	62,452	64.24	31,574	32.48	30,878	31.76	44,591	45.87	27,524	28.31	17,067	17.56	17,862	18.37	4,050	4.17	13,811	14.21
10 years and older	5,810	5.98	4,372	4.50	1,438	1.48	5,200	5.35	4,176	4.30	1,023	1.05	610	0.63	196	0.20	415	0.43
Cattle by Breed																		
Total	97,215	100	47,728	49.10	49,487	50.90	66,091	67.98	38,670	39.78	27,421	28.21	31,123	32.01	9,058	9.32	22,065	22.70
Indigenous	85,012	87.45	44,921	46.21	40,091	41.24	62,547	64.34	37,023	38.08	25,524	26.26	22,465	23.11	7,898	8.12	14,567	14.98
Hybrid	5,569	5.73	*	*	3,815	3.92	*	*	*	*	*	*	2,259	2.32	168	0.17	2,091	2.15
Exotic	6,634	6.82	1,053	1.08	5,581	5.74	234	0.24	61	0.06	174	0.18	6,400	6.58	993	1.02	5,407	5.56
Aged 3-10 Years by Purpose																		
Total	62,452	100	31,574	50.56	30,878	49.44	44,591	71.40	27,524	44.07	17,067	27.33	17,862	28.60	4,050	6.48	13,811	22.11
Used for Milk	17,730	28.39			17,730	28.39	7,267	11.64			7,267	11.64	10,463	16.75			10,463	16.75
Used for Draught	29,194	46.75	28,809	46.13	*	*	25,781	41.28	25,429	40.72	*	*	3,413	5.46	3,379	5.41	*	*
Used for Beef	2,082	3.33	1,676	2.68	406	0.65	1,519	2.43	1,413	2.26	106	0.17	562	0.90	263	0.42	300	0.48
Used for Breeding ...	11,859	18.99	677	1.08	11,182	17.90	9,087	14.55	394	0.63	8,693	13.92	2,772	4.44	282	0.45	2,489	3.99
Used for Other ...	1,587	2.54	413	0.66	1,174	1.88	936	1.50	287	0.46	649	1.04	651	1.04	126	0.20	526	0.84
Dairy Animals																		
Dairy Cows	17,730	100			17,730	100	7,267	40.99			7,267	40.99	10,463	59.01			10,463	59.01
Milking Cows	20,160	100			20,160	100	10,535	52.26			10,535	52.26	9,625	47.74			9,625	47.74

FIGURE VII.1 DISTRIBUTION OF CATTLE BY AGE ANDSEX

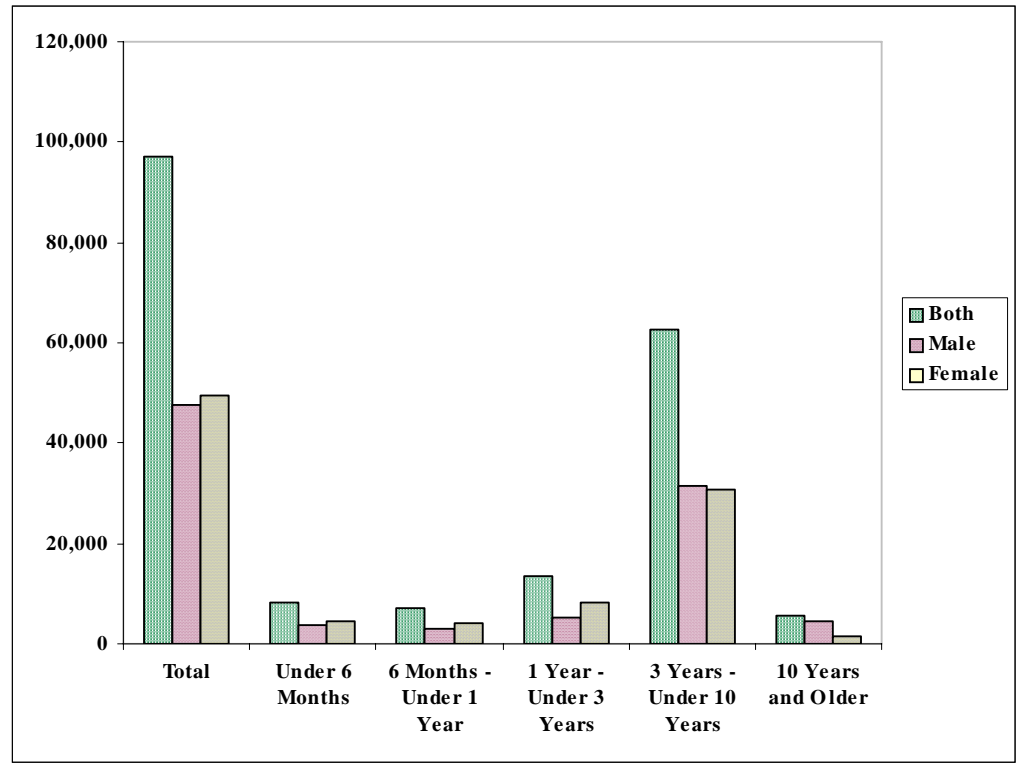
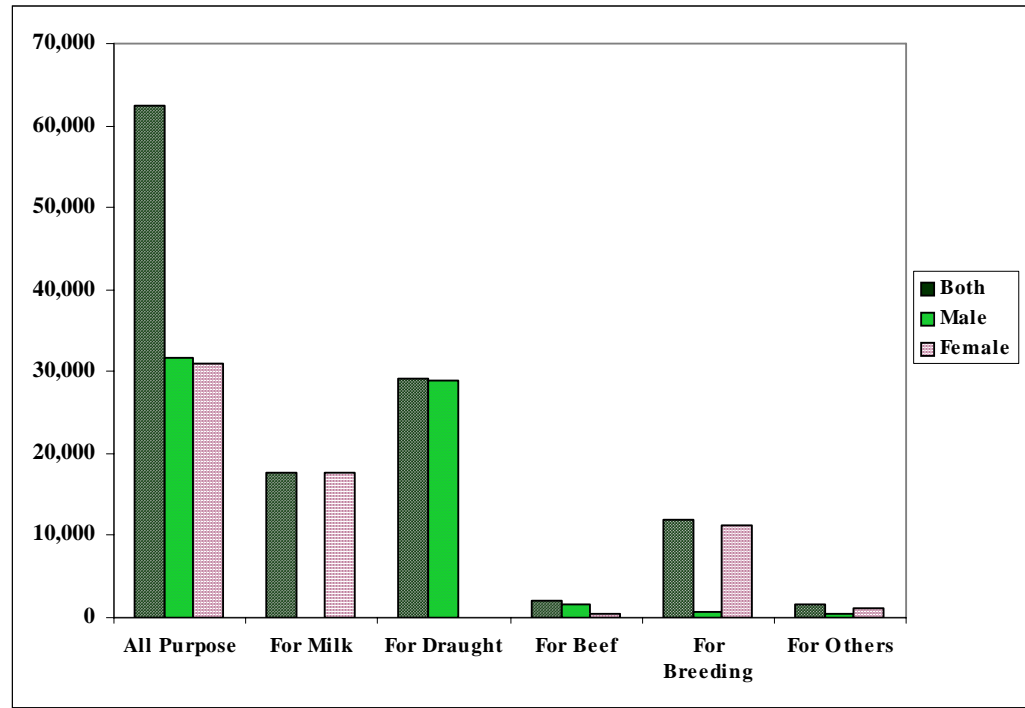


FIGURE VII.2 DISTRIBUTION OF CATTLE AGED 3 AND UNDER 10 YEARS BY PURPOSE AND SEX



SUMMARY TABLE VII.2: Estimated Number of Sheep and Goats by Sex, Age, Breed, and Purpose for Rural and Urban Holdings

Age,Breed,and Purpose	Both Rural and Urban Holdings						Rural Holdings						Urban Holdings					
	Total		Male		Female		Total		Male		Female		Total		Male		Female	
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
Total Sheep.....	29,682	100	9,386	31.62	20,296	68.38	12,432	41.88	4,151	13.98	8,281	27.90	17,250	58.12	5,235	17.64	12,014	40.48
Under 6 months	8,276	27.88	4,243	14.29	4,034	13.59	3,435	11.57	1,858	6.26	1,577	5.31	4,841	16.31	2,385	8.04	2,456	8.27
6 months-under 1 year ...	3,786	12.76	1,697	5.72	2,090	7.04	1,458	4.91	555	1.87	903	3.04	2,328	7.84	1,142	3.85	1,187	4.00
1 year-under 2 years ...	3,551	11.96	1,302	4.39	2,249	7.58	1,455	4.90	503	1.69	953	3.21	2,095	7.06	799	2.69	1,296	4.37
2 years and older	14,068	47.40	2,145	7.23	11,923	40.17	6,084	20.50	1,235	4.16	4,848	16.33	7,985	26.90	910	3.07	7,075	23.84
Sheep by Breed																		
Total	29,682	100	9,386	31.62	20,296	68.38	12,432	41.88	4,151	13.98	8,281	27.90	17,250	58.12	5,235	17.64	12,014	40.48
Indigenous	29,651	99.90	9,371	31.57	20,280	68.32	12,401	41.78	4,136	13.93	8,266	27.85	17,250	58.12	5,235	17.64	12,014	40.48
Hybrid	*	*	*	*	*	*	*	*	*	*	*	*	-	-	-	-	-	-
Exotic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sheep Aged 2 Years and Older by Purpose																		
Total	14,068	100	2,145	15.25	11,923	84.75	6,084	43.25	1,235	8.78	4,848	34.46	7,985	56.76	910	6.47	7,075	50.29
Used for Mutton	1,675	11.91	1,470	10.45	205	1.46	*	*	*	*	86	0.61	684	4.86	564	4.01	119	0.85
Used for Wool	59	0.42	-	-	59	0.42	*	*	-	-	*	*	49	0.35	-	-	49	0.35
Used for Breeding ...	12,270	87.22	653	4.64	11,617	82.58	5,025	35.72	314	2.23	4,711	33.49	7,245	51.50	339	2.41	6,906	49.09
Used for Other	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	-	-
Total Goats	18,861*	100	6507*	34.50	12354*	65.50	16102*	85.37	5673*	30.08	10429*	55.29	2,759	14.63	834	4.42	1,925	10.21
Under 6 months	3,792	20.10	2,122	11.25	1,670	8.85	3,015	15.99	1,704	9.03	1,311	6.95	777	4.12	418	2.22	359	1.90
6 months-under 1 year ...	*	*	*	*	*	*	*	*	*	*	*	*	501	2.66	190	1.01	311	1.65
1 year-under 2 years ...	*	*	*	*	1,613	8.55	*	*	*	*	*	*	306	1.62	*	*	247	1.31
2 years and older	*	*	1,296	6.87	*	*	*	*	*	*	*	*	1,175	6.23	168	0.89	1,008	5.34
Goats by Breed																		
Total	18,861*	100	6507*	34.50	12354*	65.50	16102*	85.37	5673*	30.08	10429*	55.29	2,759	14.63	834	4.42	1,925	10.21
Indigenous	*	*	*	*	*	*	16102*	85.37	5673*	30.08	10429*	55.29	2,719	14.42	819	4.34	1,900	10.07
Hybrid	40	0.21	15	0.08	25	0.13	-	-	-	-	-	-	40	0.21	15	0.08	25	0.13
Exotic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Goats Aged 2 Years and Older by Purpose																		
Total	7,938*	100	1296*	16.33	6642*	83.67	6762*	85.19	1128*	14.21	5634*	70.98	1,175	14.80	168	2.12	1,008	12.70
Used for Milk	*	*	*	*	*	*	*	*	*	*	*	*	-	-	-	-	-	-
Used for Meat	551	6.94	489	6.16	61	0.77	425	5.35	393	4.95	*	*	126	1.59	96	1.21	30	0.38
Used for Breeding ...	*	*	*	*	*	*	*	*	*	*	*	*	1,049	13.21	71	0.89	978	12.32
Used for Other	-	*	-	-	-	-	-	-	-	*	-	*	-	-	-	-	-	-

* CV greater than 50 %.

The distribution of cattle by purpose is indicated in the same table. Among cattle aged three years and under ten years, those used for draught purposes are the highest that is 46.8 percent followed by cattle used for milk purposes which accounted for 28.4 percent. The percentage share of cattle used for beef purposes is about 3.3 percent. Beef cattle here refer to all cattle reared exclusively for meat that is used either for home consumption or for sale. Further, the number of dairy-cows^a is estimated to be about 17,730 and milking-cows² are about 20,160 (See Fig. VII.2).

As to zonal level the distribution of cattle in the Addis Ababa City Administration, out of the two zones covered in the census, Zone 3 contributes the largest share, 64,470 that is 66.3 percent followed by Zone 6, 15,403 (15.8 percent). Moreover, cattle population by sex, age, breed, and purpose are estimated for each wereda in each zone and presented in the Statistical Tables given at the end of this chapter.

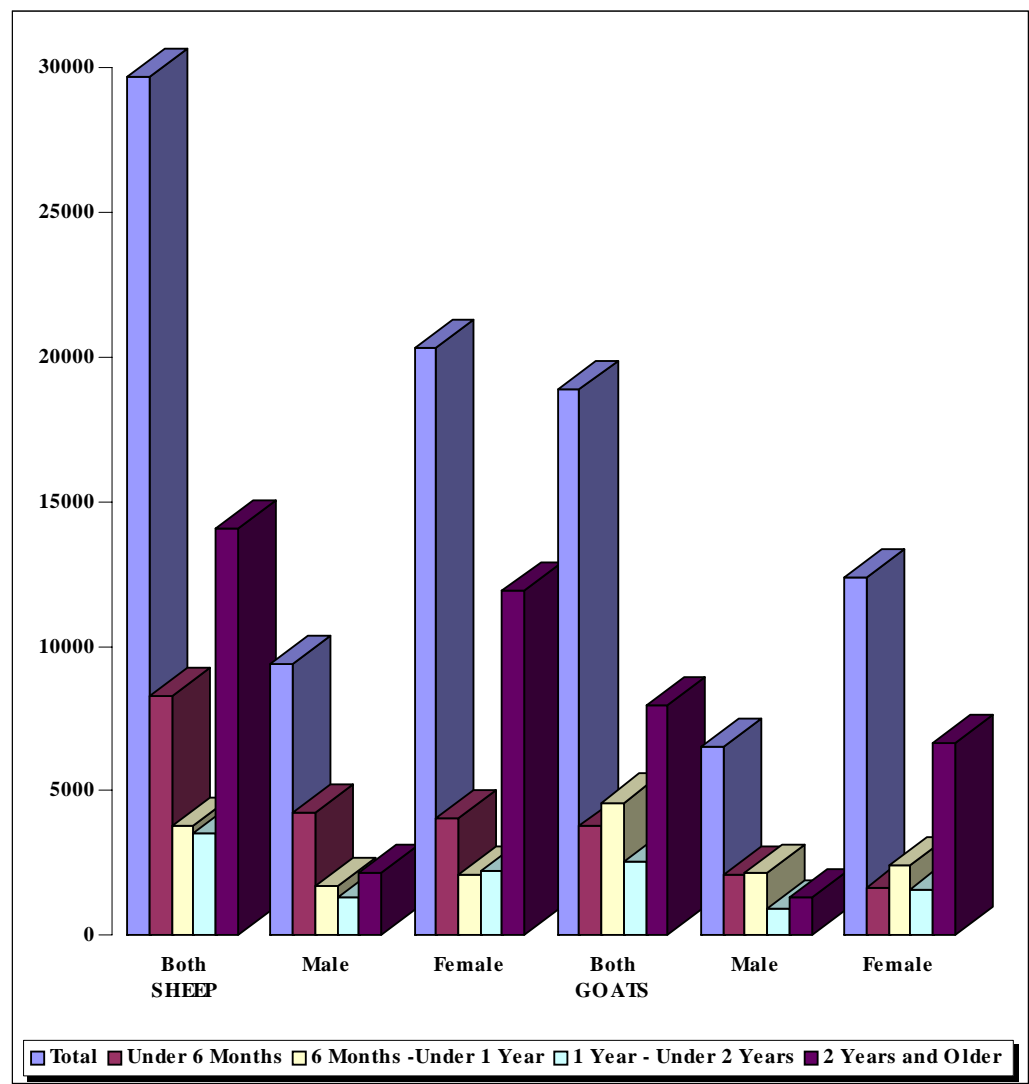
2.2 Sheep and Goats

The estimated numbers and percentage distributions of sheep and goats for rural and urban areas are given in Summary Table VII.2. As pointed out in this table, about 29,682 sheep are estimated to be found in the City Administration, out of which about 68.4 percent are females, and about 31.6 percent are males. Moreover, according to the census result, the number of goats reported in the region are estimated to be about 18,861. Out of these total goats, 65.5 percent are females and 34.5 percent are males. (See Fig. VII.3).

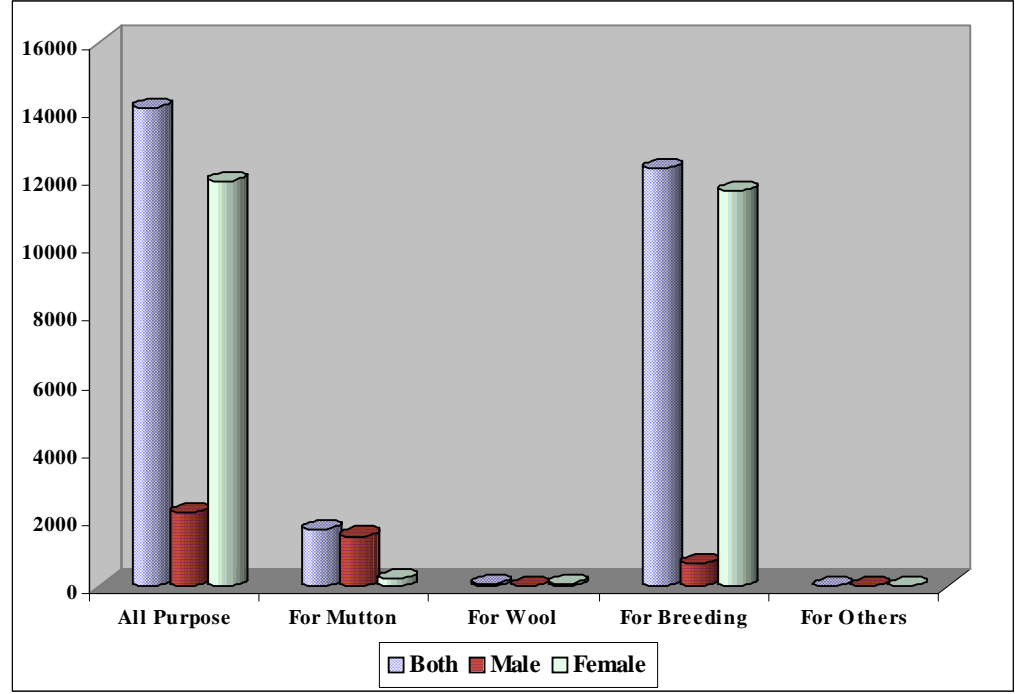
¹ A Dairy Cow refers to a cow that primarily kept for milk and has milked previously and/or milking at the time of enumeration or has never been milked before but expected to be milked in the future or pregnant at the time of enumeration.

² A Milking Cow refers to any type of cow that actually milked during the reference period (February 9, 2001 to February 8, 2002).

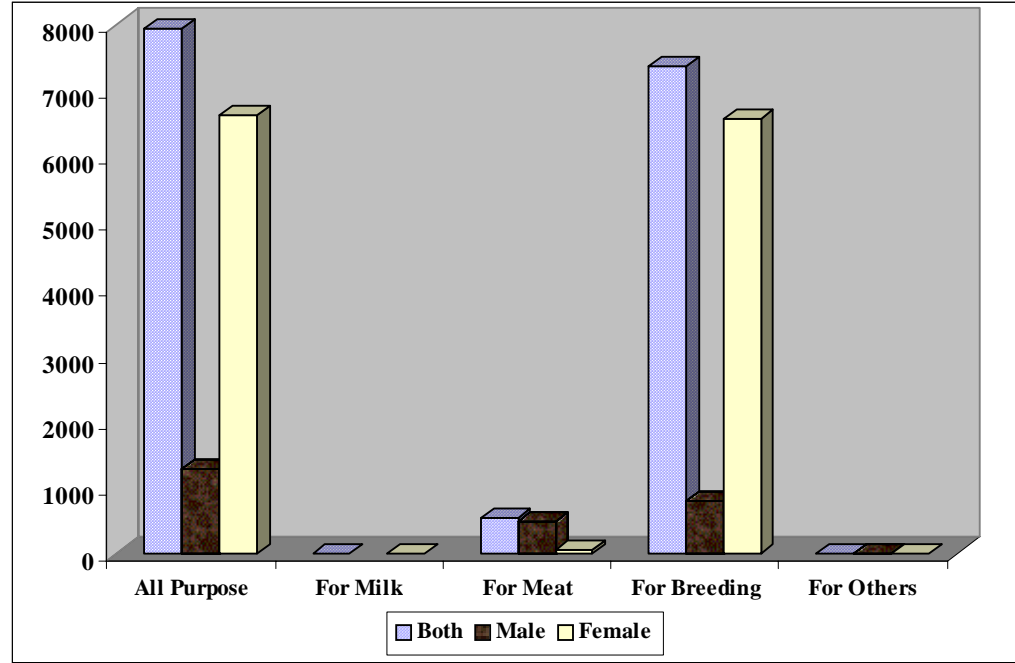
FIGURE VII.3 DISTRIBUTION OF SHEEP AND GOATS BY AGE AND SEX



**FIGURE VII.4 DISTRIBUTION OF SHEEP BY PURPOSE AND SEX
AGED 2 AND OLDER**



**FIGURE VII.5 DISTRIBUTION OF GOATS BY PURPOSE AND SEX
AGED 2 AND OLDER**



Among these totals reported in the City Administration, 85.4 percent of the goats and 41.9 percent of the sheep are found in the rural areas. Urban areas accounted for 58.1 percent and 14.6 percent of the sheep and goats, respectively.

Pertaining to the age distribution of the sheep, the largest portions are in the age group of two years and older (47.4 percent) followed by the young stock under six months, that is 27.9 percent (See Figures VII.3).

With respect to breed, almost all the sheep are indigenous (99.9 percent). Summary Table VII.2 also discloses the numbers and percentages of sheep and goats raised for different purposes in the City Administration. Among the sheep flock two years and older, 12,270 (87.2 percent) were kept for breeding, about 11.9 percent for mutton and 0.42 percent for wool. Likewise, amid the goats population aged two years and older, goats kept for meat account for about 6.94 percent. It should be noticed that numbers with “*” on Table 2 (total goats) are those whose coefficient of variations are greater than 50%.

The numbers and percentage distributions of sheep and goats for the City Administration by age group at zonal and wereda levels are given in the Statistical Tables. Accordingly, of the total sheep Zone 3 contributes about 41.6 percent of the total sheep in the region.

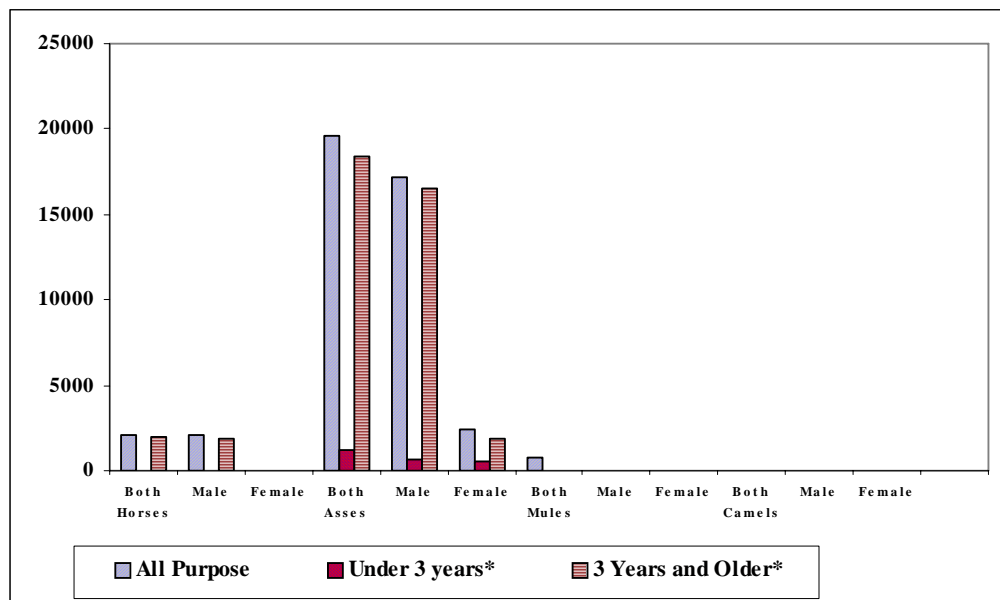
2.3. Horses, Asses, Mules And Camels

Summary Table VII.3 shows the estimates of horses, asses, mules and camels for the rural and urban areas of the City Administration for private holdings. According to the census result, there are 2,135 horses, 19,623 asses, 809 mules and no camels in the City Administration. The table as well shows that very high proportions of horses, asses and mules are found in the rural areas.

SUMMARY TABLE VII.3: Estimated Number of Horses, Asses, Mules and Camels by Sex, Age, Breed, and Purpose for Rural and Urban Holdings

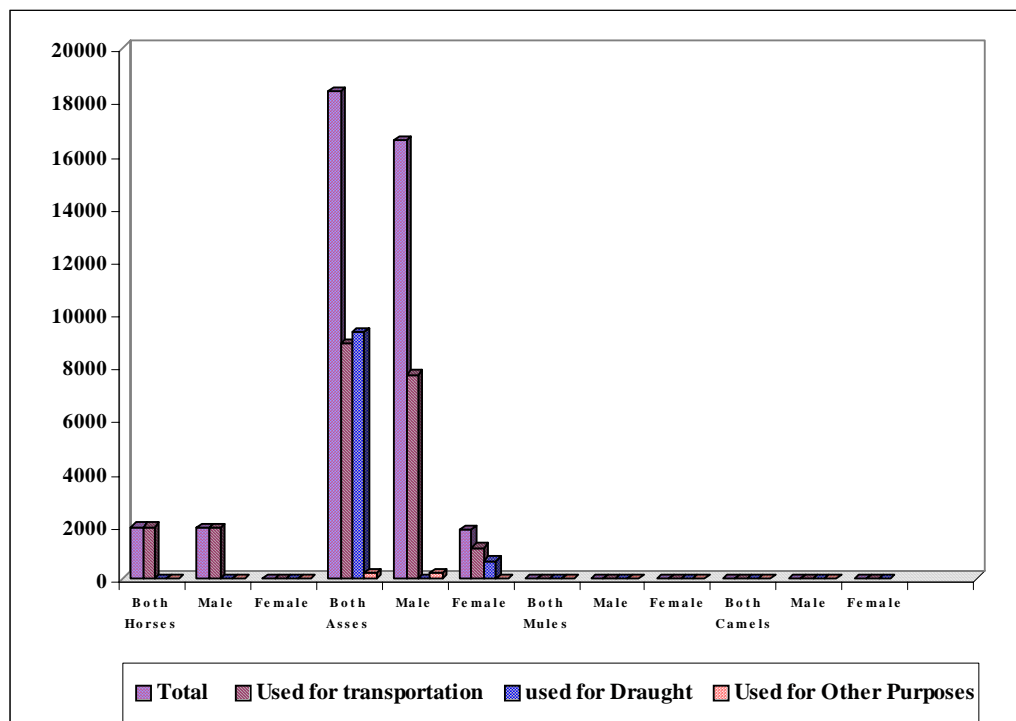
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FIGURE VII.6 DISTRIBUTION OF HORSES, ASSES, MULES AND CAMELS BY AGE AND SEX



* Note :- for camels the age Categories are under 4 years and 4 years & older.

FIGURE VII.7 DISTRIBUTION OF HORSES, ASSES, MULES AND CAMELS BY PURPOSE AND SEX



As indicated in the same table, out of the total horses population in the City Administration, 2,092 (98 percent) are males. With respect to age distribution, about 93.62 percent of the asses and 91 percent of the horses are in the age group of 3 years and older category.

The estimates of these animals (aged 3 years and older) by sex and purpose are also given in Summary Table VII.3. As indicated in the table, among the horses and asses aged three years and older, 1,932 (99 percent) and 8,877 (48.3 percent) are used for transportation, respectively. Moreover, 9,291 (50.6 percent) of the asses are used for draught purposes. (See also Figures VII.6 and VII.7).

Pertaining to zonal distribution in draught animals in the City Administration, about 77.9 percent of the total horse population is found in Zone 3 and 12.2 percent is accounted for Zone 6. Likewise, 65.5 and 18.9 percent of the asses in the City Administration are found in Zone 3 and Zone 6, respectively.

(See Fig. VII.8).

2.4 Poultry

Data on poultry population are collected as part of the livestock census, and the total poultry population in Addis Ababa City Administration is estimated to be about 100,163. In this report, poultry includes cocks, cockerels, pullets, laying hens, non-laying hens and chicks. Consequently, as shown in Summary Table VII.4 and Figure VII.9, most of the poultry are laying hens (39,652), followed by chicks (30,245). Cocks are estimated to be 11,731 in the City Administration. Pullets, cockerels and non-laying hens are also estimated separately, and are 7,764, 5,778 and 4,994, respectively. Rural areas constitute 66.2 percent of the total poultry and Urban areas share was 33.8 percent.

Moreover, average egg-laying period per hen and average number of eggs laid per hen during this period are estimated based on the data collected. Consequently, average

SUMMARY TABLE VII.5: Estimated number of Beehives by Type for Rural and Urban Holdings

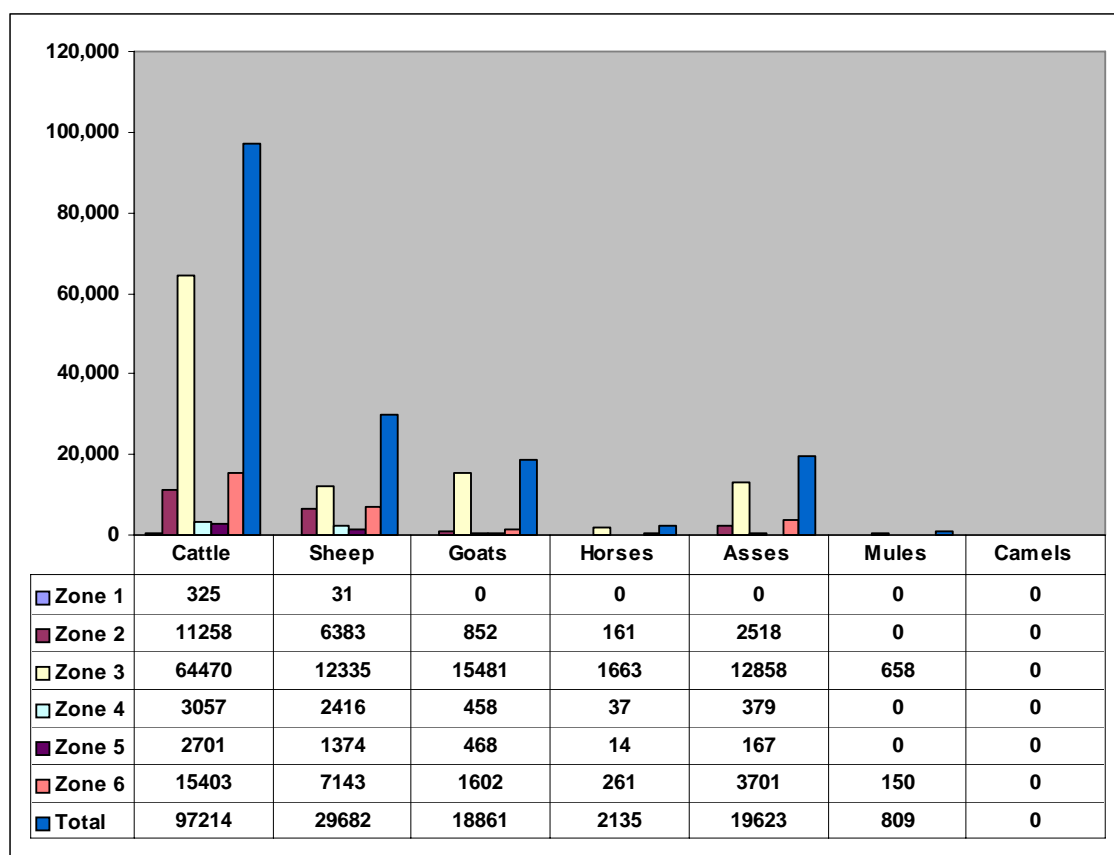
Type of Beehive	Rural and Urban Holdings		Rural Holdings		Urban Holdings	
	Number	%	Number	%	Number	%
All Beehives	4,231	100	681	16.10	3,549	83.88
Traditional Beehives ...	670	15.84	664	15.69	*	*
Intermediate Beehives ...	3,543	83.74	-	-	3,543	83.74
Modern Beehives	*	*	*	*	-	-

SUMMARY TABLE VII.6 : Milk and Honey Production for Rural and Urban Holdings

Item	Quantity Produced and Frequency		
	Rural and Urban Holdings	Rural Holdings	Urban Holdings
Cow Milk			
Average Daily Milk Producton(Liters/Cow)	2.621	1.948	3.354
Average Lactation Period (Months)	8	8	7
	12,17		
Total Milk Production(Liters)	5,288	4,368,904	7,806,384
Camel Milk			
Average Daily Milk Production(Liters/Camel)	-	-	-
Average Lactation Period (Months)	-	-	-
Total Milk Production(Liters)	-	-	-
Honey Production			
All Types of Beehives			
Production (Kilograms).....	11159 *	3,182	*
Average Frequency (Harvest/Year)		2	2
Traditional Beehives			
Production (Kilograms).....	2,998	2,972	*
Average Frequency(Harvest./Year)...		2	2
Intermediate Beehives			
Production (Kilograms).....	*	-	*
Average Frequency(Harvest/Year)...		-	2
Modern Beehives			
Production (Kilograms).....	*	*	-
Average Frequency(Harvest/Year)...		2	2

* CV Greater than 50%.

FIGURE VII.8 DISTRIBUTION OF LIVESTOCK BY ZONE



egg-laying period per hen is estimated to be about 21 days while average number of eggs laid per hen per egg-laying period is about 15 eggs in the City Administration. Egg laying period is higher in urban areas while number of eggs laid per period is higher in rural than in urban areas of the City Administration.

Pertaining to zonal distribution in Addis Ababa City Administration, Zone 3 contributes the largest share that is 62 percent, followed by Zone 6 and Zone 2, which contribute 21.9 percent and 10.6 of the total poultry in the City Administration, respectively.

2.5 Beehives

Information on beehives was also collected during the livestock census. A beehive is enumerated if and only if it produced honey at least once in the reference period (February 9, 2001 to February 8, 2002). 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, barks of tree, logs 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).

FIGURE VII. 9 DISTRIBUTION OF POULTRY BY TYPE

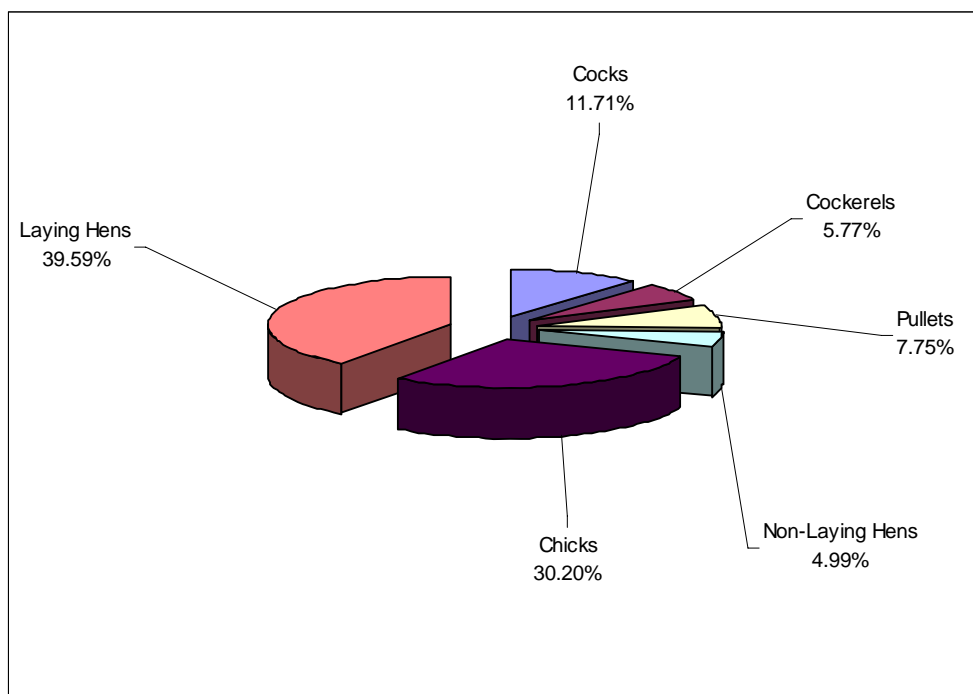
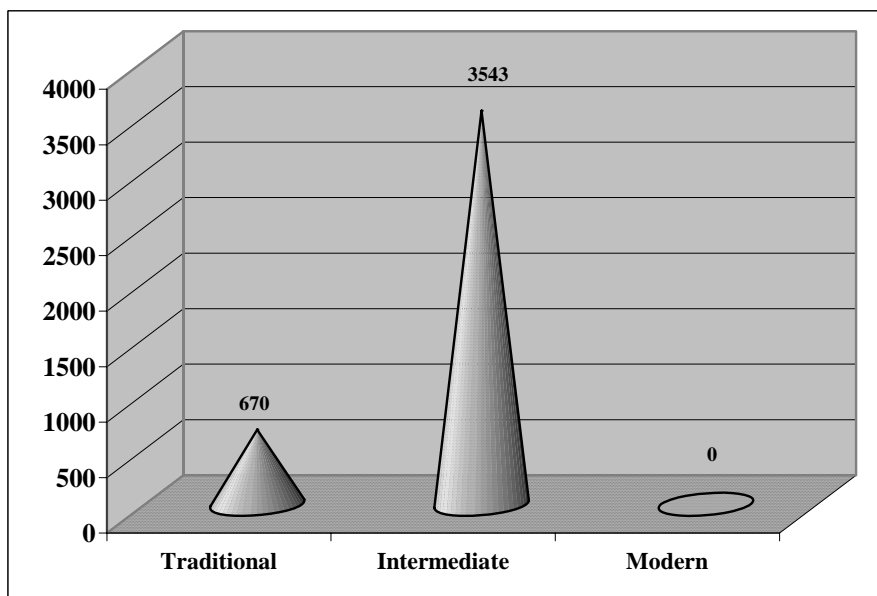


FIGURE VII. 10 DISTRIBUTION OF BEEHIVES BY TYPE



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 these beehives that produced honey at least once during the reference period (February 9, 2001 to February 8, 2002) was enumerated. Accordingly, the result of the census revealed that a total of 4,231 beehives are estimated to be found in rural and urban areas of Addis Ababa City Administration. From this total hives, 3,543 (83.7 percent) are intermediate hives and 670 are traditional hives.

As indicated in Summary Table VII.5 and Figure VII.10, very significant portion of the beehives are reported in urban areas (83.9 percent). Rural areas as well contributed about 16 percent to the beehives population of the City Administration.

With regard to zonal distribution of hives in the City Administration, Zone 6 has the largest share (32.8 percent), followed by Zone 2 and Zone 3, which accounted for 31 percent and 28 percent, respectively.

3. LIVESTOCK PRODUCTS

This section summarizes results on livestock products in City Administration. 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.

SUMMARY TABLE VII.7: Livestock Product Utilization - Percentage of Uses for Rural and Urban Holdings

Type of Product	Rural and Urban Holdings					Rural Holdings					Urban Holdings				
	Total%	Percent of Product Utilized for:				Total%	Percent of Product Utilized for:				Total%	Percent of Product Utilized for:			
		Household	Sale	Wages in	Other		Household	Sale	Wages in	Other		Household	Sale	Wages in	Other
Total%	Consumption	Sale	Kind	Other	Total%	Consumption	Sale	Kind	Other	Total%	Consumption	Sale	Kind	Other	
Milk	100	55.75	22.75	0.2	21.3	100	63.42	8.09	0.29	28.2	100	47.26	38.95	0.11	13.68
Butter	100	73.6	24.71	0.03	1.65	100	71.69	27.76	-	0.55	100	77.35	18.75	0.09	3.81
Cheese	100	76.86	21.93	0.01	1.2	100	75.66	23.66	-	0.68	100	79.51	18.1	0.04	2.36
Beef	100	53.73	38.98	-	7.29	100	57.77	33.87	-	8.36	100	42.66	52.96	-	4.38
Mutton/Goat Meat	100	87.53	11.64	-	0.83	100	91.22	8.45	-	0.33	100	78.85	19.13	-	2.02
Eggs	100	54.53	37.87	0.02	7.57	100	49.61	41.86	-	8.53	100	66.08	28.52	0.07	5.33
Honey	100	82.85	14.82	0.17	2.16	100	89.7	10.05	-	0.25	100	72.05	22.33	0.45	5.18
Bees Wax	100	88.53	-	-	11.47	100	100	-	-	-	100	-	-	-	100
Wool	100	-	100	-	-	-	-	-	-	-	100	-	100	-	-
Hide	100	47.7	49.86	-	2.44	100	74.43	25.55	-	0.02	100	23.8	71.6	-	4.6
Skin	100	37.43	62.3	-	0.27	100	40.37	59.63	-	-	100	28.73	70.19	-	1.08

3.1 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 City Administration 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 our case, milk production is estimated based on the concept “net production”, and as indicated in Summary Table VII.6, the estimate of total milk production for rural and urban areas in Addis Ababa City Administration during the reference period, is about 12.2 million liters of which 7.8 million liters (64.1 percent) is attributed to urban areas. A total of about 4.4 million liters of milk was as well estimated in rural areas.

Data on lactation period and average milk yield per cow per day were also collected. As a result, the average lactation period per cow in the City Administration is estimated to be about eight months, and average milk yield per cow per day is about 2.6 liters.

3.2. Honey Production

To estimate honey production, number of beehives, frequency of honey production and honey production per harvest are required. Therefore, these data were collected from the holders within sampled households both in rural and urban areas of the City Administration. As a result, the estimate of total honey production is about 11,159 kilograms of which 7,952 kilograms of honey is harvested from intermediate beehives and 2,998 kilograms of honey is also collected from traditional beehives. (See Summary Table VII.6).

As can be seen from the census data, honey was harvested twice in a year from all types of beehives both in rural and urban areas during the reference period.

4. UTILIZATION OF LIVESTOCK PRODUCTS

Data on the utilization of animal products were also collected during the census to assess product usage experience of holders. The products for which utilization data intended to be collected were milk, egg, honey, meat, hides and skins, wool and byproducts such as butter, cheese, and wax. It is commonly accepted that these products are often used for household consumption and/or sold to finance the purchase of basic household commodities such as coffee, salt, cooking oil, sugar, etc. The products are sometimes used as payments and gifts to others. The census data on the utilization of animal products in the rural and urban areas are presented in

Summary Table VII.7. The census result reveals that out of the total annual milk production in the City Administration, 55.75 percent was used for household consumption, 22.75 percent was sold and about 21.3 percent was used for other purposes. With respect to the utilization of butter 73.6 percent was used for household consumption and 24.71 percent was sold. The greater portion of the total cheese produced was used for household consumption that is about 76.86 percent, and about 21.93 percent was sold.

Of the total honey produced, 82.85 percent was used for household consumption and about 14.82 percent was sold. Moreover, 88.53 percent of the bees wax produced in the region was used for household consumption while 11.47 percent was used for other purposes. In general, similar usage patterns are also observed in both rural and urban areas of the City Administration.

**SUMMARY TABLE VII.8: Estimated number of Livestock Vaccinated, Afflicted,
Treated, and Died for Rural and Urban Holdings**

Item	Rural and Urban Holdings		Rural Holdings		Urban Holdings	
	Number	%	Number	%	Number	%
Total Vaccinated	49,112	100	36,297	73.91	12,815	26.09
Cattle	46,618	94.92	35,520	72.32	11,098	22.60
Sheep	1,344	2.74	*	*	1,243	2.53
Goats	86	0.18	-	-	86	0.18
Horses,Asses, and Mules ...	473	0.96	*	*	182	0.37
Camels	-	-	-	-	-	-
Poultry	*	*	*	*	206	0.42
Total Afflicted	54,065	100	35,230	65.16	18,836	34.84
Cattle	5,018	9.28	2,984	5.52	2,035	3.76
Sheep	4,786	8.85	3,301	6.11	1,484	2.74
Goats	1,030	1.91	681	1.26	*	*
Horses,Asses, and Mules ...	402	0.74	319	0.59	83	0.15
Camels	-	-	-	-	-	-
Poultry	42,830	79.22	27,945	51.69	14,885	27.53
Total Treated	3,157	100	1,490	47.20	1,667	52.80
Cattle	1,547	49.00	660	20.91	887	28.10
Sheep	359	11.37	144	4.56	215	6.81
Goats	*	*	-	-	*	*
Horses,Asses, and Mules ...	38	1.20	*	*	*	*
Camels	-	-	-	-	-	-
Poultry	1,193	37.79	662	20.97	531	16.82
Total Died	49,239	100	32,277	65.55	16,962	34.45
Cattle	3,083	6.26	1,962	3.98	1,120	2.27
Sheep	4,245	8.62	*	*	1,242	2.52
Goats	915	1.86	580	1.18	*	*
Horses,Asses, and Mules ...	282	0.57	231	0.47	51	0.10
Camels	-	-	-	-	-	-
Poultry	40,714	82.69	26,501	53.82	14,213	28.87

SUMMARY TABLE VII.9: Animal Feed Practices for Rural and Urban Holdings

Item	Rural and Urban Holdings		Rural Holdings		Urban Holdings	
	Number Reporting	Percentage That Use:	Number Reporting	Percentage That Use:	Number Reporting	Percentage That Use:
Total		100		100		100
Green Fodder/Grazing....	19,851	41.75	12,571	49.97	7,280	32.1
Crops Residue	16,546	24.99	11,641	33.35	4,904	15.18
Improved Feed	345	0.31	109	0.13	236	0.52
Hay	10,791	13.57	4,643	8.4	6,148	19.65
By-products	10,978	12.57	4,152	6.07	6,826	20.19
Others	7,318	6.81	2,160	2.07	5,158	12.37

Concerning utilization of egg products, 54.53 percent of the total egg produced in City Administration was used for household consumption and 37.87 percent was sold. Moreover, 7.57 percent of the total egg produced in the City Administration was used for other purposes and that could be for hatching. Holders' utilization practices on wool, hides, and skins were also assessed and the results showed that these products are mainly used for sale and household consumption.

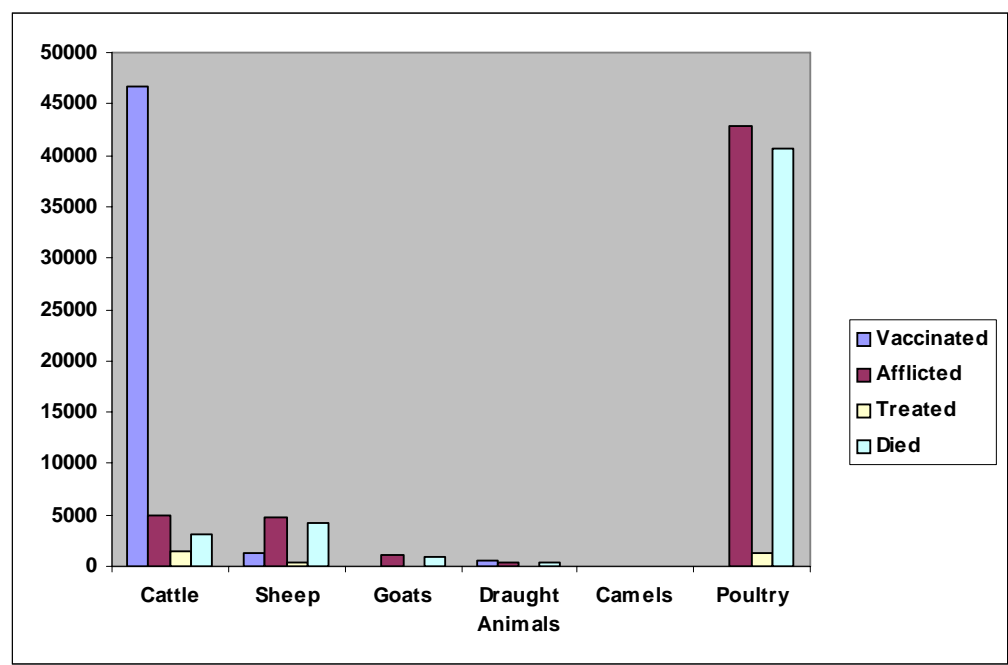
5. LIVESTOCK VACCINATION, DISEASE, TREATMENT AND DEATH

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, deaths, 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 during the census.

Data on these parameters specifically on number of vaccinated, afflicted, treated and dead animals were therefore collected and the results are shown in Summary Table VII.8. The estimated number of vaccinated animals within the reference period in rural and urban areas of Addis Ababa City Administration is about 49,112. Out of these animals, about 94.92 percent were cattle followed by sheep, which took about 2.74 percent share.

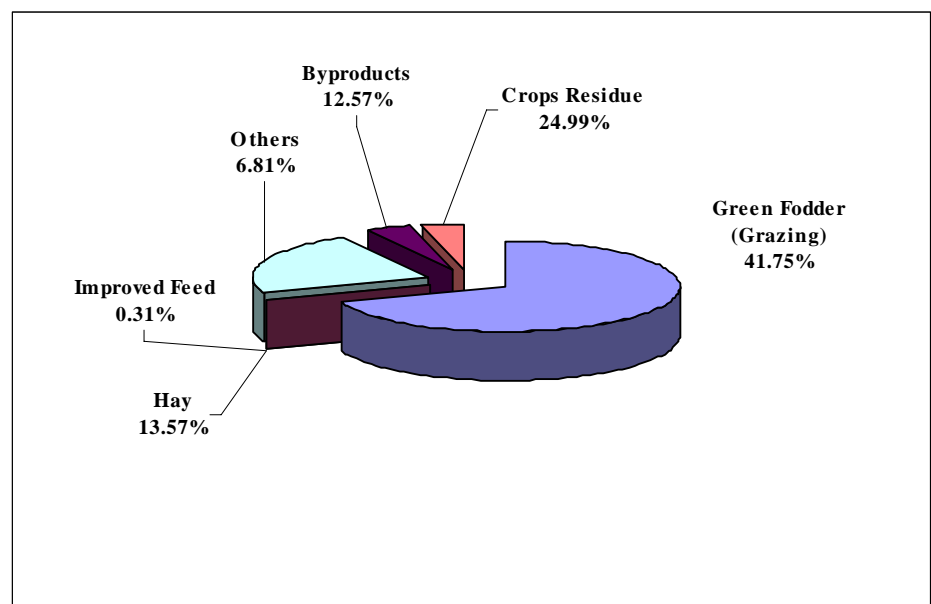
In the same table, it is indicated that about 54,065 animals in the City Administration were diseased/afflicted by different types of diseases during the reference period and

FIGURE VII.11 DISTRIBUTION OF ANIMALS VACCINATED, AFFLICTED, TREATED AND DIED



Note :- Draught Animals refer to horses , asses and mules.

FIGURE VII.12 ANIMAL FEED PRACTICES OF HOLDERS



only 3,157 of them were treated. Cattle constituted about 49 percent of the total treated animals followed by poultry 37.8 percent.

According to the census data, greater of animals died during the reference period in the City Administration due to diseases of which 82.7 percent was poultry. In addition, the estimated numbers of dead sheep and dead cattle were about 4,245 and 3,082, respectively. The number of goats estimated dead was about 915 heads. (See Summary Table VII.8).

If we take a look at the zonal results to see the distributions among the zones in City Administration, Zone 3 and Zone 6 reported 71 percent and 14.7 percent of the total vaccinated-animals, respectively. Regarding diseased treated and dead animals, similar patterns are observed, that is Zone 3 and Zone 6 reported the highest share in their order.

6. ANIMAL FEED

Data on animal feed practices of holders in both the rural and urban areas of the Addis Ababa City Administration were collected to assess feed utilization experience. For the purpose of this report, animal feeds are classified as green fodder (grazing), crop residue, improved feed, hay, industrial byproducts, and other feeds. *Green fodder* is simply pasture grasses; *crop residue* includes harvested byproducts (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 *byproducts* 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 rural and urban areas of the City Administration, green fodder or grazing is the major type of feed about 41.75 percent followed by crops residue about 25 percent. Hay and by-products were used as animal feed in the City Administration that comprise about 13.6 and 12.6 percent of the total feed, respectively. Moreover, as shown in summary Table

VII.9 and figure VII.12, very small amount of improved feed (only 0.31 percent) was used as animal feed and other types of feed that accounted for about 6.8 percent were also used in the Addis Ababa City Administration.

Summary Table VII.9 also highlights the number of holders reported each type of feed. According to the data, about 19,851 holders have used green fodder or grazing to feed their animals. Significant number of holders (16,546) both in rural and urban areas of the City Administration also reported that they used to feed crops residue for their animals. Moreover, about 10,978 and 10,791 holders have reported that they have used by-produces and hay to feed their animals, respectively. Quite a number of holders (about 7,318) as well reported other types of feed while only 345 holders reported to use the improved feed.

STATISTICAL TABLES

TABLE 7.1 - TABLE 7.36

TABLE 7-1: NUMBER OF LIVESTOCK BY TYPE OF ANIMAL, REGION, ZONE, AND WEREDA

a) Both Rural and Urban Holdings

Geographic Areas	ALL LIVESTOCK								
	CATTLE	SHEEP	GOATS	HORSES	ASSES	MULES	CAMELS	POULTRY	BEEHIVES
Addis Ababa	97,215	29,682	*	2,135	19,623	809	-	100,163	4,231
Zone 1	325	31	-	-	-	-	-	-	*
Wereda 6	325	31	-	-	-	-	-	-	*
Zone 2	11,258	6,383	852	161	2,518	-	-	10,621	1,336
Wereda 20	512	220	*	*	*	-	-	278	*
Wereda 21	8	264	-	-	-	-	-	-	*
Wereda 23	2,239	652	*	-	*	-	-	1,218	*
Wereda 24	8,499	5,248	752	136	2,243	-	-	9,125	1,039
Zone 3	64,470	12,335	*	1,663	12,858	*	-	62,151	1,167
Wereda 17	42,694	4,472	*	*	9,066	*	-	38,211	*
Wereda 19	6,964	1,861	965	44	1,279	31	-	9,296	246
Wereda 28	14,813	6,002	2,654	276	2,513	*	-	14,644	210
Zone 4	3,057	2,416	458	37	379	-	-	3,024	*
Wereda 11	*	969	*	-	*	-	-	728	*
Wereda 12	1,440	1,048	*	*	143	-	-	1,594	*
Wereda 15	237	29	15	-	-	-	-	24	*
Wereda 16	911	*	122	21	165	-	-	678	*
Zone 5	2,701	1,374	*	*	167	-	-	2,450	*
Wereda 8	860	209	*	*	*	-	-	*	*
Wereda 10	228	243	59	-	-	-	-	183	*
Wereda 25	1,614	922	*	-	101	-	-	1,579	*
Zone 6	15,403	7,143	1,602	261	3,701	150	-	21,917	1,387
Wereda 26	9,338	4,191	870	194	2,264	118	-	10,258	1,027
Wereda 27	6,065	2,952	*	67	1,437	*	-	11,660	360

b) Rural Holdings

Geographic Areas	ALL LIVESTOCK								
	CATTLE	SHEEP	GOATS	HORSES	ASSES	MULES	CAMELS	POULTRY	BEEHIVES
Addis Ababa	66,091	12,432	*	1,846	15,025	800	-	66,325	681
Zone 3	57,454	9,516	*	1,663	12,387	*	-	53,777	429
Wereda 17	40,151	*	*	*	*	*	-	*	*
Wereda 19	3,891	464	857	44	1,024	31	-	4,353	*
Wereda 28	13,412	5,212	2,345	276	2,454	*	-	12,900	210
Zone 6	8,637	2,916	1,188	183	2,639	141	-	12,548	252
Wereda 26	5,532	1,737	681	150	1,588	108	-	5,880	161
Wereda 27	3,106	1,179	*	*	1,051	*	-	6,668	91

c) Urban Holdings

Geographic Areas	ALL LIVESTOCK								
	CATTLE	SHEEP	GOATS	HORSES	ASSES	MULES	CAMELS	POULTRY	BEEHIVES
Addis Ababa	31,123	17,250	2,759	289	4,598	*	-	33,838	3,549
Zone 1	325	31	-	-	-	-	-	-	*
Wereda 6	325	31	-	-	-	-	-	-	*
Zone 2	11,258	6,383	852	161	2,518	-	-	10,621	1,336
Wereda 20	512	220	*	*	*	-	-	278	*
Wereda 21	8	264	-	-	-	-	-	-	*
Wereda 23	2,239	652	*	-	*	-	-	1,218	*
Wereda 24	8,499	5,248	752	136	2,243	-	-	9,125	1,039
Zone 3	7,017	2,819	567	-	471	-	-	8,374	*
Wereda 17	2,543	632	*	-	*	-	-	*	*
Wereda 19	3,073	1,397	108	-	255	-	-	4,943	*
Wereda 28	1,401	789	*	-	*	-	-	1,744	*
Zone 4	3,057	2,416	458	37	379	-	-	3,024	*
Wereda 11	*	969	*	-	*	-	-	728	*
Wereda 12	1,440	1,048	*	*	143	-	-	1,594	*
Wereda 15	237	29	15	-	-	-	-	24	*
Wereda 16	911	*	122	21	165	-	-	678	*
Zone 5	2,701	1,374	*	*	167	-	-	2,450	*
Wereda 8	860	209	*	*	*	-	-	*	*
Wereda 10	228	243	59	-	-	-	-	183	*
Wereda 25	1,614	922	*	-	101	-	-	1,579	*
Zone 6	6,766	4,227	*	78	1,062	*	-	9,369	1,135
Wereda 26	3,806	2,454	*	43	676	*	-	4,377	867
Wereda 27	2,959	1,773	*	*	*	-	-	4,991	*

TABLE 7-2: NUMBER OF CATTLE BY AGE AND SEX OF ANIMAL, REGION, ZONE AND WEREDA

a) Both Rural and Urban Holdings

Geographic Areas	CATTLE										
	ALL CATTLE	MALE					FEMALE				
		< 6 Months	6 Mo < 1yr	1 - <3 yrs	3yrs - <10 yrs	10 yrs &Over	< 6 Months	6 Mo < 1yr	1 - <3 yrs	3yrs - <10 yrs	10 yrs &Over
Addis Ababa	97,215	3,670	3,027	5,085	31,574	4,372	4,624	4,127	8,419	30,878	1,438
Zone 1	325	-	-	-	-	-	46	46	62	170	-
Wereda 6	325	-	-	-	-	-	46	46	62	170	-
Zone 2	11,258	665	546	607	2,102	116	661	604	1,124	4,724	110
Wereda 20	512	*	*	*	*	-	42	*	58	260	-
Wereda 21	8	-	-	-	-	-	-	-	8	-	-
Wereda 23	2,239	212	133	76	*	-	161	161	273	1,125	*
Wereda 24	8,499	442	379	520	1,973	116	459	382	785	3,339	105
Zone 3	64,470	1,794	1,728	3,306	24,184	3,609	2,717	2,416	5,207	18,436	1,075
Wereda 17	42,694	926	1,017	2,178	*	*	1,406	1,380	3,361	10,811	609
Wereda 19	6,964	325	227	432	1,510	354	477	368	637	2,409	223
Wereda 28	14,813	543	484	696	4,555	368	833	668	1,208	5,215	*
Zone 4	3,057	228	194	118	139	-	285	186	383	1,485	*
Wereda 11	*	*	*	*	*	-	*	*	*	*	*
Wereda 12	1,440	119	108	54	*	-	115	95	227	695	*
Wereda 15	237	19	10	5	5	-	53	15	19	106	5
Wereda 16	911	73	36	*	62	-	88	51	76	471	*
Zone 5	2,701	229	152	162	103	*	213	203	315	1,250	68
Wereda 8	860	62	*	62	47	-	59	85	87	341	54
Wereda 10	228	25	5	-	5	-	30	20	40	99	5
Wereda 25	1,614	142	83	*	52	*	124	*	189	810	*
Zone 6	15,403	754	407	891	5,046	641	702	672	1,328	4,813	148
Wereda 26	9,338	415	239	556	3,602	487	308	354	684	2,640	54
Wereda 27	6,065	339	169	335	1,444	155	394	318	644	2,173	94

b) Rural Holdings

Geographic Areas	CATTLE										
	ALL CATTLE	MALE					FEMALE				
		< 6 Months	6 Mo < 1yr	1 - <3 yrs	3yrs - <10 yrs	10 yrs &Over	< 6 Months	6 Mo < 1yr	1 - <3 yrs	3yrs - <10 yrs	10 yrs &Over
Addis Ababa	66,091	1,804	1,603	3,563	27,524	4,176	2,242	2,211	4,878	17,067	1,023
Zone 3	57,454	1,410	1,424	3,027	23,755	3,582	2,003	1,943	4,373	14,994	943
Wereda 17	40,151	775	*	2,104	*	*	1,112	*	*	9,442	577
Wereda 19	3,891	175	108	281	1,209	328	172	144	294	1,045	135
Wereda 28	13,412	459	441	642	4,501	368	718	542	1,004	4,506	*
Zone 6	8,637	394	179	537	3,768	594	239	268	505	2,073	80
Wereda 26	5,532	208	107	344	2,714	459	105	146	254	1,159	36
Wereda 27	3,106	186	72	193	1,055	135	134	122	251	914	44

c) Urban Holdings

Geographic Areas	CATTLE										
	ALL CATTLE	MALE					FEMALE				
		< 6 Months	6 Mo < 1yr	1 - <3 yrs	3yrs - <10 yrs	10 yrs &Over	< 6 Months	6 Mo < 1yr	1 - <3 yrs	3yrs - <10 yrs	10 yrs &Over
Addis Ababa	31,123	1,866	1,424	1,522	4,050	196	2,382	1,916	3,542	13,811	415
Zone 1	325	-	-	-	-	-	46	46	62	170	-
Wereda 6	325	-	-	-	-	-	46	46	62	170	-
Zone 2	11,258	665	546	607	2,102	116	661	604	1,124	4,724	110
Wereda 20	512	*	*	*	*	-	42	*	58	260	-
Wereda 21	8	-	-	-	-	-	-	-	8	-	-
Wereda 23	2,239	212	133	76	*	-	161	161	273	1,125	*
Wereda 24	8,499	442	379	520	1,973	116	459	382	785	3,339	105
Zone 3	7,017	384	304	280	428	*	714	472	834	3,442	132
Wereda 17	2,543	151	*	74	*	-	294	122	285	1,369	*
Wereda 19	3,073	150	120	151	301	*	305	224	344	1,364	88
Wereda 28	1,401	84	*	54	*	-	115	126	*	709	*
Zone 4	3,057	228	194	118	139	-	285	186	383	1,485	*
Wereda 11	*	*	*	*	*	-	*	*	*	*	*
Wereda 12	1,440	119	108	54	*	-	115	95	227	695	*
Wereda 15	237	19	10	5	5	-	53	15	19	106	5
Wereda 16	911	73	36	*	62	-	88	51	76	471	*
Zone 5	2,701	229	152	162	103	*	213	203	315	1,250	68
Wereda 8	860	62	*	62	47	-	59	85	87	341	54
Wereda 10	228	25	5	-	5	-	30	20	40	99	5
Wereda 25	1,614	142	83	*	52	*	124	*	189	810	*
Zone 6	6,766	360	228	355	1,277	*	462	404	823	2,740	68
Wereda 26	3,806	207	131	213	888	*	202	208	430	1,481	*
Wereda 27	2,959	153	97	*	389	*	260	196	394	1,259	50

TABLE 7-3: NUMBER OF SHEEP BY AGE AND SEX OF ANIMAL, REGION, ZONE, AND WEREDA

a) Both Rural and Urban Holdings

Geographic Areas	SHEEP								
	ALL SHEEP	MALE				FEMALE			
		< 6 Months	6 Mo < 1yr	1 - <2 yrs	2 yrs &Over	< 6 Months	6 Mo < 1yr	1 - <2 yrs	2 yrs &Over
Addis Ababa	29,682	4,243	1,697	1,302	2,145	4,034	2,090	2,249	11,923
Zone 1	31	-	-	-	-	15	15	-	-
Wereda 6	31	-	-	-	-	15	15	-	-
Zone 2	6,383	822	541	241	271	954	269	461	2,824
Wereda 20	220	*	20	-	*	53	-	20	84
Wereda 21	264	50	25	17	-	25	8	25	116
Wereda 23	652	84	64	*	*	103	37	*	269
Wereda 24	5,248	655	433	189	244	773	224	375	2,355
Zone 3	12,335	1,692	573	499	1,258	1,482	930	921	4,981
Wereda 17	4,472	*	*	*	*	*	288	260	*
Wereda 19	1,861	263	82	95	94	252	187	143	747
Wereda 28	6,002	716	320	295	440	849	456	518	2,408
Zone 4	2,416	328	69	78	189	386	179	119	1,068
Wereda 11	969	107	*	*	*	132	*	*	430
Wereda 12	1,048	148	34	36	*	183	91	50	448
Wereda 15	29	5	-	-	5	5	-	-	15
Wereda 16	*	*	*	*	*	*	*	*	*
Zone 5	1,374	243	53	97	110	219	88	68	496
Wereda 8	209	44	22	15	-	*	23	*	*
Wereda 10	243	54	25	10	-	30	15	30	79
Wereda 25	922	144	*	*	110	140	50	*	382
Zone 6	7,143	1,158	461	388	317	977	608	679	2,555
Wereda 26	4,191	683	290	192	188	506	361	338	1,633
Wereda 27	2,952	475	170	195	129	470	248	342	922

b) Rural Holdings

Geographic Areas	SHEEP								
	ALL SHEEP	MALE				FEMALE			
		< 6 Months	6 Mo < 1yr	1 - <2 yrs	2 yrs &Over	< 6 Months	6 Mo < 1yr	1 - <2 yrs	2 yrs &Over
Addis Ababa	12,432	1,858	555	503	1,235	1,577	903	953	4,848
Zone 3	9,516	1,337	428	292	*	1,117	711	675	3,878
Wereda 17	*	*	*	*	*	*	*	*	*
Wereda 19	464	87	*	35	*	63	*	44	182
Wereda 28	5,212	647	274	251	371	758	424	454	2,034
Zone 6	2,916	521	127	211	156	460	192	278	970
Wereda 26	1,737	309	90	106	116	267	89	167	591
Wereda 27	1,179	212	37	*	*	193	103	110	379

c) Urban Holdings

Geographic Areas	SHEEP								
	ALL SHEEP	MALE				FEMALE			
		< 6 Months	6 Mo < 1yr	1 - <2 yrs	2 yrs &Over	< 6 Months	6 Mo < 1yr	1 - <2 yrs	2 yrs &Over
Addis Ababa	17,250	2,385	1,142	799	910	2,456	1,187	1,296	7,075
Zone 1	31	-	-	-	-	15	15	-	-
Wereda 6	31	-	-	-	-	15	15	-	-
Zone 2	6,383	822	541	241	271	954	269	461	2,824
Wereda 20	220	*	20	-	*	53	-	20	84
Wereda 21	264	50	25	17	-	25	8	25	116
Wereda 23	652	84	64	*	*	103	37	*	269
Wereda 24	5,248	655	433	189	244	773	224	375	2,355
Zone 3	2,819	356	145	206	179	365	219	246	1,103
Wereda 17	632	112	*	*	*	85	*	82	163
Wereda 19	1,397	175	68	60	87	189	155	99	565
Wereda 28	789	68	46	*	69	91	31	65	374
Zone 4	2,416	328	69	78	189	386	179	119	1,068
Wereda 11	969	107	*	*	*	132	*	*	430
Wereda 12	1,048	148	34	36	*	183	91	50	448
Wereda 15	29	5	-	-	5	5	-	-	15
Wereda 16	*	*	*	*	*	*	*	*	*
Zone 5	1,374	243	53	97	110	219	88	68	496
Wereda 8	209	44	22	15	-	*	23	*	*
Wereda 10	243	54	25	10	-	30	15	30	79
Wereda 25	922	144	*	*	110	140	50	*	382
Zone 6	4,227	637	333	177	160	516	416	402	1,585
Wereda 26	2,454	374	200	86	71	239	272	170	1,042
Wereda 27	1,773	263	133	91	*	277	145	231	544

TABLE 7-4: NUMBER OF GOATS BY AGE AND SEX OF ANIMAL, REGION, ZONE, AND WEREDA

a) Both Rural and Urban Holdings

Geographic Areas	GOATS								
	ALL Goats	MALE				FEMALE			
		< 6 Months	6 Mo < 1yr	1 - <2 yrs	2 yrs &Over	< 6 Months	6 Mo < 1yr	1 - <2 yrs	2 yrs &Over
Addis Ababa	*	2,122	*	*	1,296	1,670	*	1,613	*
Zone 1	-	-	-	-	-	-	-	-	-
Wereda 6	-	-	-	-	-	-	-	-	-
Zone 2	852	136	40	*	57	135	61	77	342
Wereda 20	*	-	-	-	-	-	-	-	*
Wereda 21	-	-	-	-	-	-	-	-	-
Wereda 23	*	*	*	-	-	*	-	*	*
Wereda 24	752	119	31	*	57	117	61	68	296
Zone 3	*	1,512	*	*	*	1,189	*	*	*
Wereda 17	*	*	*	*	*	*	*	*	*
Wereda 19	965	146	89	58	88	98	93	92	301
Wereda 28	2,654	373	117	154	281	331	244	156	998
Zone 4	458	73	*	-	*	31	*	*	229
Wereda 11	*	*	-	-	*	-	-	-	*
Wereda 12	*	*	*	-	*	*	*	*	*
Wereda 15	15	5	-	-	-	5	-	-	5
Wereda 16	122	15	*	-	-	*	-	*	71
Zone 5	*	*	*	*	*	29	*	5	*
Wereda 8	*	*	*	*	*	*	*	-	*
Wereda 10	59	10	10	-	-	15	5	5	15
Wereda 25	*	*	*	-	*	*	*	-	*
Zone 6	1,602	319	118	*	100	286	*	193	436
Wereda 26	870	149	79	*	89	139	*	*	281
Wereda 27	*	*	*	-	*	*	*	*	*

b) Rural Holdings

Geographic Areas	GOATS								
	ALL Goats	MALE				FEMALE			
		< 6 Months	6 Mo < 1yr	1 - <2 yrs	2 yrs &Over	< 6 Months	6 Mo < 1yr	1 - <2 yrs	2 yrs &Over
Addis Ababa	*	1,704	*	*	*	1,311	*	*	*
Zone 3	*	*	*	*	*	1,063	*	*	*
Wereda 17	*	*	*	*	*	*	*	*	*
Wereda 19	857	146	83	51	59	89	93	64	272
Wereda 28	2,345	347	101	*	254	257	239	135	886
Zone 6	1,188	261	52	*	100	247	33	*	341
Wereda 26	681	125	52	*	89	111	33	*	226
Wereda 27	*	*	-	-	*	*	-	*	*

c) Urban Holdings

Geographic Areas	GOATS								
	ALL Goats	MALE				FEMALES			
		< 6 Months	6 Mo < 1yr	1 - <2 yrs	2 yrs &Over	< 6 Months	6 Mo < 1yr	1 - <2 yrs	2 yrs &Over
Addis Ababa	2,759	418	190	*	168	359	311	247	1,008
Zone 1	-	-	-	-	-	-	-	-	-
Wereda 6	-	-	-	-	-	-	-	-	-
Zone 2	852	136	40	*	57	135	61	77	342
Wereda 20	*	-	-	-	-	-	-	-	*
Wereda 21	-	-	-	-	-	-	-	-	-
Wereda 23	*	*	*	-	-	*	-	*	*
Wereda 24	752	119	31	*	57	117	61	68	296
Zone 3	567	*	*	*	*	125	*	81	*
Wereda 17	*	*	-	*	*	*	-	*	*
Wereda 19	108	-	*	*	*	*	-	*	*
Wereda 28	*	26	*	*	*	74	*	*	*
Zone 4	458	73	*	-	*	31	*	*	229
Wereda 11	*	*	-	-	*	-	-	-	*
Wereda 12	*	*	*	-	*	*	*	*	*
Wereda 15	15	5	-	-	-	5	-	-	5
Wereda 16	122	15	*	-	-	*	-	*	71
Zone 5	*	*	*	*	*	29	*	5	*
Wereda 8	*	*	*	*	*	*	*	-	*
Wereda 10	59	10	10	-	-	15	5	5	15
Wereda 25	*	*	*	-	*	*	*	-	*
Zone 6	*	*	*	*	-	*	*	*	*
Wereda 26	*	*	*	*	-	*	*	*	*
Wereda 27	*	*	*	-	-	*	*	*	*

TABLE 7-5: NUMBER OF HORSES AND ASSES BY AGE AND SEX OF ANIMAL, REGION, ZONE, AND WEREDA

a) Both Rural and Urban Holdings

Geographic Areas	HORSES AND ASSES									
	HORSES					ASSES				
	ALL HORSES	MALE		FEMALE		ALL ASSES	MALE		FEMALE	
		< 3 Years	3 Yrs & more	< 3 Years	3 Yrs & more		< 3 Years	3 Yrs & more	< 3 Years	3 Yrs & more
Addis Ababa	2,135	*	1,905	*	*	19,623	649	16,540	602	1,832
Zone 1	-	-	-	-	-	-	-	-	-	-
Wereda 6	-	-	-	-	-	-	-	-	-	-
Zone 2	161	*	157	-	-	2,518	*	2,403	-	93
Wereda 20	*	-	*	-	-	*	-	*	-	-
Wereda 21	-	-	-	-	-	-	-	-	-	-
Wereda 23	-	-	-	-	-	*	*	*	-	*
Wereda 24	136	*	132	-	-	2,243	*	2,141	-	88
Zone 3	1,663	*	1,456	*	*	12,858	235	12,161	107	355
Wereda 17	*	*	*	-	-	9,066	*	*	*	223
Wereda 19	44	-	44	-	-	1,279	69	1,010	67	132
Wereda 28	276	*	233	*	*	2,513	*	2,458	-	-
Zone 4	37	-	25	-	-	379	*	316	*	26
Wereda 11	-	-	-	-	-	*	*	*	-	-
Wereda 12	*	-	*	-	-	143	*	127	*	*
Wereda 15	-	-	-	-	-	-	-	-	-	-
Wereda 16	21	-	21	-	-	165	-	125	*	21
Zone 5	*	-	*	-	-	167	*	117	*	*
Wereda 8	*	-	*	-	-	*	*	*	*	*
Wereda 10	-	-	-	-	-	-	-	-	-	-
Wereda 25	-	-	-	-	-	101	-	101	-	-
Zone 6	261	*	252	-	-	3,701	360	1,543	456	1,342
Wereda 26	194	*	185	-	-	2,264	161	1,236	204	662
Wereda 27	67	-	67	-	-	1,437	199	307	251	680

b) Rural Holdings

Geographic Areas	HORSES AND ASSES									
	HORSES					ASSES				
	ALL HORSES	MALE		FEMALE		ALL ASSES	MALE		FEMALE	
		< 3 Years	3 Yrs & more	< 3 Years	3 Yrs & more		< 3 Years	3 Yrs & more	< 3 Years	3 Yrs & more
Addis Ababa	1,846	*	1,631	*	*	15,025	425	13,173	363	1,064
Zone 3	1,663	*	1,456	*	*	12,387	213	11,925	45	203
Wereda 17	*	*	*	-	-	*	*	*	*	*
Wereda 19	44	-	44	-	-	1,024	56	863	32	73
Wereda 28	276	*	233	*	*	2,454	*	2,399	-	-
Zone 6	183	*	175	-	-	2,639	212	1,248	318	861
Wereda 26	150	*	142	-	-	1,588	95	1,038	110	345
Wereda 27	*	-	*	-	-	1,051	116	210	207	517

c) Urban Holdings

Geographic Areas	HORSES AND ASSES									
	HORSES					ASSES				
	ALL HORSES	MALE		FEMALE		ALL ASSES	MALE		FEMALE	
		< 3 Years	3 Yrs & more	< 3 Years	3 Yrs & more		< 3 Years	3 Yrs & more	< 3 Years	3 Yrs & more
Addis Ababa	289	*	274		*	4,598	224	3,366	239	768
Zone 1	-	-	-	-	-	-	-	-	-	-
Wereda 6	-	-	-	-	-	-	-	-	-	-
Zone 2	161	*	157		*	2,518	*	2,403		93
Wereda 20	*	-	*	-	-	*	-	*	-	-
Wereda 21	-	-	-	-	-	-	-	-	-	-
Wereda 23	-	-	-	-	-	*	*	*	-	*
Wereda 24	136	*	132		*	2,243	*	2,141		88
Zone 3	-	-	-	-	-	471	*	235	62	152
Wereda 17	-	-	-	-	-	*	*	*	*	*
Wereda 19	-	-	-	-	-	255	*	147	35	*
Wereda 28	-	-	-	-	-	*	*	*	-	-
Zone 4	37	-	25		*	379	*	316	*	26
Wereda 11	-	-	-	-	-	*	*	*	-	-
Wereda 12	*	-	*	-	*	143	*	127	*	*
Wereda 15	-	-	-	-	-	-	-	-	-	-
Wereda 16	21	-	21		-	165	-	125	*	21
Zone 5	*	-	*	-	-	167	*	117	*	*
Wereda 8	*	-	*	-	-	*	*	*	*	*
Wereda 10	-	-	-	-	-	-	-	-	-	-
Wereda 25	-	-	-	-	-	101	-	101	-	-
Zone 6	78	-	78		-	1,062	149	295	138	480
Wereda 26	43	-	43		-	676	66	198	94	318
Wereda 27	*	-	*	-	-	*	*	*	*	*

TABLE 7-6: NUMBER OF MULES AND CAMELS BY AGE AND SEX OF ANIMAL BY REGION, ZONE, AND WEREDA

a) Both Rural and Urban Holdings

by Year and Sex

Geographic Areas	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
Addis Ababa	809	*	*		*					
Zone 1										
Wereda 6										
Zone 2										
Wereda 20										
Wereda 21										
Wereda 23										
Wereda 24										
Zone 3	*	*	*		*	*				
Wereda 17	*		*		*					
Wereda 19	31	*	27							
Wereda 28	*	*	*		*	*				
Zone 4										
Wereda 11										
Wereda 12										
Wereda 15										
Wereda 16										
Zone 5										
Wereda 8										
Wereda 10										
Wereda 25										
Zone 6	150	*	137		*					
Wereda 26	118	*	105		*					
Wereda 27	*		*							

b) Rural Holdings

Geographic Areas	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
Addis Ababa	800	*	*	-	*	-	-	-	-	-
Zone 3	*	*	*	-	*	-	-	-	-	-
Wereda 17	*	-	*	-	*	-	-	-	-	-
Wereda 19	31	*	27	-	-	-	-	-	-	-
Wereda 28	*	*	*	-	*	-	-	-	-	-
Zone 6	141	*	128	-	*	-	-	-	-	-
Wereda 26	108	*	95	-	*	-	-	-	-	-
Wereda 27	*	-	*	-	-	-	-	-	-	-

c) Urban Holdings

[illegible]

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

a) Both Rural and Urban Holdings

Geographic Areas	CATTLE AGED 3 – 10 YEARS									
	Total	MALE				FEMALE				
		Draught	Beef	Breeding	Other	Milk	Draught	Beef	Breeding	Other
Addis Ababa	62,452	28,809	1,676	677	413	17,730	*	406	11,182	1,174
Zone 1	170	-	-	-	-	108	-	62	-	-
Wereda 6	170	-	-	-	-	108	-	62	-	-
Zone 2	6,826	1,969	*	64	*	4,122	*	*	458	129
Wereda 20	293	-	*	*	-	238	-	-	*	14
Wereda 21	-	-	-	-	-	-	-	-	-	-
Wereda 23	1,221	*	-	-	*	1,065	-	*	*	*
Wereda 24	5,312	1,878	*	56	*	2,819	*	*	438	70
Zone 3	42,619	22,300	1,110	464	309	9,061	*	*	8,159	692
Wereda 17	28,930	*	810	*	*	3,614	*	*	*	*
Wereda 19	3,919	1,308	92	88	*	1,682	*	20	664	*
Wereda 28	9,771	4,069	208	132	147	3,766	*	55	1,132	252
Zone 4	1,624	56	*	*	34	1,239	-	*	*	63
Wereda 11	*	*	-	*	-	91	-	-	*	-
Wereda 12	717	*	*	-	*	617	-	*	*	*
Wereda 15	111	-	5	-	-	92	-	-	-	15
Wereda 16	533	*	*	-	*	439	-	-	-	32
Zone 5	1,353	*	*	80	-	919	-	*	254	*
Wereda 8	388	-	-	47	-	227	-	-	*	-
Wereda 10	104	-	-	5	-	89	-	-	10	-
Wereda 25	861	*	*	28	-	603	-	*	*	*
Zone 6	9,859	4,479	465	*	*	2,281	82	89	2,134	227
Wereda 26	6,242	3,171	395	*	-	1,032	82	66	1,324	*
Wereda 27	3,617	1,308	*	*	*	1,249	-	*	811	91

b) Rural Holdings

Geographic Areas	CATTLE AGED 3 – 10 YEARS									
	Total	MALE				FEMALE				
		Draught	Beef	Breeding	Other	Milk	Draught	Beef	Breeding	Other
Addis Ababa	44,591	25,429	1,413	394	287	7,267	*	106	8,693	649
Zone 3	38,749	22,055	1,052	372	276	6,503	*	71	*	549
Wereda 17	27,488	*	795	*	*	2,648	*	*	*	*
Wereda 19	2,254	1,138	54	*	-	715	*	*	319	-
Wereda 28	9,007	4,031	202	126	142	3,140	*	*	1,069	241
Zone 6	5,841	3,374	361	*	*	764	64	35	1,109	100
Wereda 26	3,872	2,365	344	*	-	388	64	29	633	44
Wereda 27	1,969	1,009	*	*	*	376	-	*	476	56

c) Urban Holdings

Geographic Areas	CATTLE AGED 3 – 10 YEARS									
	Total	MALE				FEMALE				
		Draught	Beef	Breeding	Other	Milk	Draught	Beef	Breeding	Other
Addis Ababa	17,862	3,379	263	282	126	10,463	*	300	2,489	526
Zone 1	170	-	-	-	-	108	-	62	-	-
Wereda 6	170	-	-	-	-	108	-	62	-	-
Zone 2	6,826	1,969	*	64	*	4,122	*	*	458	129
Wereda 20	293	-	*	*	-	238	-	-	*	14
Wereda 21	-	-	-	-	-	-	-	-	-	-
Wereda 23	1,221	*	-	-	*	1,065	-	*	*	*
Wereda 24	5,312	1,878	*	56	*	2,819	*	*	438	70
Zone 3	3,870	245	58	92	*	2,558	*	*	575	144
Wereda 17	1,442	*	*	*	*	966	-	*	*	*
Wereda 19	1,665	170	38	*	*	966	*	*	344	*
Wereda 28	763	*	*	*	*	625	-	*	*	*
Zone 4	1,624	56	*	*	34	1,239	-	*	*	63
Wereda 11	*	*	-	*	-	91	-	-	*	-
Wereda 12	717	*	*	-	*	617	-	*	*	*
Wereda 15	111	-	5	-	-	92	-	-	-	15
Wereda 16	533	*	*	-	*	439	-	-	-	32
Zone 5	1,353	*	*	80	-	919	-	*	254	*
Wereda 8	388	-	-	47	-	227	-	-	*	-
Wereda 10	104	-	-	5	-	89	-	-	10	-
Wereda 25	861	*	*	28	-	603	-	*	*	*
Zone 6	4,018	1,105	104	*	*	1,516	*	54	1,025	*
Wereda 26	2,370	806	52	*	-	644	*	37	691	*
Wereda 27	1,648	299	*	-	*	872	-	*	334	*

TABLE 7-8: SHEEP AGED 2 AND OLDER BY SEX AND PURPOSE, REGION, ZONE, AND WEREDA

a) Both Rural and Urban Holdings

Geographic Areas	SHEEP AGED 2 AND OLDER								
	Total	MALE				FEMALE			
		Mutton/Meat	Wool	Breeding	Other	Mutton/Meat	Wool	Breeding	Other
Addis Ababa	14,068	1,470	-	653	*	205	59	11,617	*
Zone 1	-	-	-	-	-	-	-	-	-
Wereda 6	-	-	-	-	-	-	-	-	-
Zone 2	3,095	180	-	91	-	*	*	2,796	-
Wereda 20	93	*	-	-	-	-	-	84	-
Wereda 21	116	-	-	-	-	-	-	116	-
Wereda 23	288	*	-	-	-	-	*	257	-
Wereda 24	2,599	153	-	91	-	*	-	2,339	-
Zone 3	6,238	*	-	338	*	106	*	4,828	*
Wereda 17	*	*	-	*	-	*	-	*	-
Wereda 19	841	59	-	29	*	*	-	726	-
Wereda 28	2,848	184	-	247	*	50	*	2,311	*
Zone 4	1,257	98	-	91	-	*	*	1,045	-
Wereda 11	538	*	-	*	-	-	*	417	-
Wereda 12	506	*	-	*	-	*	-	438	-
Wereda 15	19	-	-	5	-	-	-	15	-
Wereda 16	*	*	-	*	-	-	-	*	-
Zone 5	606	*	-	*	-	-	*	483	-
Wereda 8	*	-	-	-	-	-	-	*	-
Wereda 10	79	-	-	-	-	-	-	79	-
Wereda 25	493	*	-	*	-	-	*	369	-
Zone 6	2,872	236	-	75	*	74	*	2,465	*
Wereda 26	1,821	135	-	53	-	*	*	1,598	-
Wereda 27	1,051	101	-	*	*	*	-	868	*

b) Rural Holdings

Geographic Areas	SHEEP AGED 2 AND OLDER								
	Total	MALE				FEMALE			
		Mutton/Meat	Wool	Breeding	Other	Mutton/Meat	Wool	Breeding	Other
Addis Ababa	6,084	*	-	314	*	86	*	4,711	*
Zone 3	4,957	*	-	260	*	43	*	3,790	*
Wereda 17	*	*	-	*	-	*	-	*	-
Wereda 19	189	*	-	-	-	-	-	182	-
Wereda 28	2,405	146	-	216	*	36	*	1,952	*
Zone 6	1,126	97	-	54	*	43	-	921	*
Wereda 26	708	80	-	*	-	*	-	577	-
Wereda 27	419	*	-	*	*	*	-	345	*

c) Urban Holdings

Geographic Areas	SHEEP AGED 2 AND OLDER								
	Total	MALE				FEMALE			
		Mutton/Meat	Wool	Breeding	Other	Mutton/Meat	Wool	Breeding	Other
Addis Ababa	7,985	564	-	339	*	119	49	6,906	-
Zone 1	-	-	-	-	-	-	-	-	-
Wereda 6	-	-	-	-	-	-	-	-	-
Zone 2	3,095	180	-	91	-	*	*	2,796	-
Wereda 20	93	*	-	-	-	-	-	84	-
Wereda 21	116	-	-	-	-	-	-	116	-
Wereda 23	288	*	-	-	-	-	*	257	-
Wereda 24	2,599	153	-	91	-	*	-	2,339	-
Zone 3	1,281	95	-	78	*	64	-	1,039	-
Wereda 17	186	*	-	*	-	*	-	135	-
Wereda 19	652	52	-	29	*	*	-	544	-
Wereda 28	443	*	-	*	-	*	-	359	-
Zone 4	1,257	98	-	91	-	*	*	1,045	-
Wereda 11	538	*	-	*	-	-	*	417	-
Wereda 12	506	*	-	*	-	*	-	438	-
Wereda 15	19	-	-	5	-	-	-	15	-
Wereda 16	*	*	-	*	-	-	-	*	-
Zone 5	606	*	-	*	-	-	*	483	-
Wereda 8	*	-	-	-	-	-	-	*	-
Wereda 10	79	-	-	-	-	-	-	79	-
Wereda 25	493	*	-	*	-	-	*	369	-
Zone 6	1,746	139	-	*	-	*	*	1,544	-
Wereda 26	1,113	55	-	*	-	*	*	1,021	-
Wereda 27	633	*	-	*	-	*	-	523	-

TABLE 7-9: GOATS AGED 2 AND OLDER BY SEX AND PURPOSE, REGION, ZONE, AND WEREDA

a) Both Rural and Urban Holdings

Geographic Areas	GOATS AGED 2 AND OLDER							
	Total	MALES			FEMALES			
		Meat	Breeding	Other	Meat	Milk	Breeding	Other
Addis Ababa	*	489	*	-	61	*	*	-
Zone 1	-	-	-	-	-	-	-	-
Wereda 6	-	-	-	-	-	-	-	-
Zone 2	399	*	*	-	*	-	326	-
Wereda 20	*	-	-	-	-	-	*	-
Wereda 21	-	-	-	-	-	-	-	-
Wereda 23	*	-	-	-	-	-	*	-
Wereda 24	352	*	*	-	*	-	279	-
Zone 3	*	325	*	-	*	*	*	-
Wereda 17	*	*	*	-	*	*	*	-
Wereda 19	389	54	*	-	-	-	301	-
Wereda 28	1,278	*	63	-	*	-	974	-
Zone 4	246	*	-	-	-	-	229	-
Wereda 11	*	*	-	-	-	-	*	-
Wereda 12	163	*	-	-	-	-	*	-
Wereda 15	5	-	-	-	-	-	5	-
Wereda 16	71	-	-	-	-	-	71	-
Zone 5	*	*	*	-	-	-	*	-
Wereda 8	*	*	-	-	-	-	*	-
Wereda 10	15	-	-	-	-	-	15	-
Wereda 25	*	-	*	-	-	-	*	-
Zone 6	536	94	*	-	-	-	436	-
Wereda 26	369	82	*	-	-	-	281	-
Wereda 27	167	*	-	-	-	-	*	-

b) Rural Holdings

Geographic Areas	GOATS AGED 2 AND OLDER							
	Total	MALES			FEMALES			
		Meat	Breeding	Other	Meat	Milk	Breeding	Other
Addis Ababa	*	393	*	-	*	*	*	-
Zone 3	*	299	*	-	*	*	*	-
Wereda 17	*	*	*	-	*	*	*	-
Wereda 19	331	54	*	-	-	-	272	-
Wereda 28	1,140	*	*	-	*	-	868	-
Zone 6	441	94	*	-	-	-	341	-
Wereda 26	315	82	*	-	-	-	226	-
Wereda 27	*	*	-	-	-	-	*	-

c) Urban Holdings

Geographic Areas	GOATS AGED 2 AND OLDER							
	Total	MALES			FEMALES			
		Meat	Breeding	Other	Meat	Milk	Breeding	Other
Addis Ababa	1,175	96	71	-	30	-	978	-
Zone 1	-	-	-	-	-	-	-	-
Wereda 6	-	-	-	-	-	-	-	-
Zone 2	399	*	*	-	*	-	326	-
Wereda 20	*	-	-	-	-	-	*	-
Wereda 21	-	-	-	-	-	-	-	-
Wereda 23	*	-	-	-	-	-	*	-
Wereda 24	352	*	*	-	*	-	279	-
Zone 3	226	*	*	-	*	-	*	-
Wereda 17	*	*	-	-	*	-	*	-
Wereda 19	*	-	*	-	-	-	*	-
Wereda 28	*	*	*	-	*	-	*	-
Zone 4	246	*	-	-	-	-	229	-
Wereda 11	*	*	-	-	-	-	*	-
Wereda 12	163	*	-	-	-	-	*	-
Wereda 15	5	-	-	-	-	-	5	-
Wereda 16	71	-	-	-	-	-	71	-
Zone 5	*	*	*	-	-	-	*	-
Wereda 8	*	*	-	-	-	-	*	-
Wereda 10	15	-	-	-	-	-	15	-
Wereda 25	*	-	*	-	-	-	*	-
Zone 6	*	-	-	-	-	-	*	-
Wereda 26	*	-	-	-	-	-	*	-
Wereda 27	*	-	-	-	-	-	*	-

TABLE 7-10: HORSES BY SEX AND PURPOSE, REGION, ZONE, AND WEREDA
a) Both Rural and Urban Holdings

Geographic Areas	HORSES AGED 3 AND OLDER						
	Total	MALES			FEMALES		
		Transportation	Draught	Other	Transportation	Draught	Other
Addis Ababa	1,944	1,892	-	*	*	-	-
Zone 1	-	-	-	-	-	-	-
Wereda 6	-	-	-	-	-	-	-
Zone 2	157	157	-	-	-	-	-
Wereda 20	*	*	-	-	-	-	-
Wereda 21	-	-	-	-	-	-	-
Wereda 23	-	-	-	-	-	-	-
Wereda 24	132	132	-	-	-	-	-
Zone 3	1,484	1,456	-	-	*	-	-
Wereda 17	*	*	-	-	-	-	-
Wereda 19	44	44	-	-	-	-	-
Wereda 28	261	233	-	-	*	-	-
Zone 4	37	25	-	-	*	-	-
Wereda 11	-	-	-	-	-	-	-
Wereda 12	*	*	-	-	*	-	-
Wereda 15	-	-	-	-	-	-	-
Wereda 16	21	21	-	-	-	-	-
Zone 5	*	*	-	-	-	-	-
Wereda 8	*	*	-	-	-	-	-
Wereda 10	-	-	-	-	-	-	-
Wereda 25	-	-	-	-	-	-	-
Zone 6	252	240	-	*	-	-	-
Wereda 26	185	173	-	*	-	-	-
Wereda 27	67	67	-	-	-	-	-

b) Rural Holdings

Geographic Areas	HORSES AGED 3 AND OLDER						
	TOTAL	MALES			FEMALES		
		Transportation	Draught	Other	Transportation	Draught	Other
Addis Ababa	1,659	1,618	-	*	*	-	-
Zone 3	1,484	1,456	-	-	*	-	-
Wereda 17	*	*	-	-	-	-	-
Wereda 19	44	44	-	-	-	-	-
Wereda 28	261	233	-	-	*	-	-
Zone 6	175	162	-	*	-	-	-
Wereda 26	142	129	-	*	-	-	-
Wereda 27	*	*	-	-	-	-	-

c) Urban Holdings

Geographic Areas	HORSES AGED 3 AND OLDER						
	TOTAL	MALES			FEMALES		
		Transportation	Draught	Other	Transportation	Draught	Other
Addis Ababa	285	274	-	-	*	-	-
Zone 1	-	-	-	-	-	-	-
Wereda 6	-	-	-	-	-	-	-
Zone 2	157	157	-	-	-	-	-
Wereda 20	*	*	-	-	-	-	-
Wereda 21	-	-	-	-	-	-	-
Wereda 23	-	-	-	-	-	-	-
Wereda 24	132	132	-	-	-	-	-
Zone 3	-	-	-	-	-	-	-
Wereda 17	-	-	-	-	-	-	-
Wereda 19	-	-	-	-	-	-	-
Wereda 28	-	-	-	-	-	-	-
Zone 4	37	25	-	-	*	-	-
Wereda 11	-	-	-	-	-	-	-
Wereda 12	*	*	-	-	*	-	-
Wereda 15	-	-	-	-	-	-	-
Wereda 16	21	21	-	-	-	-	-
Zone 5	*	*	-	-	-	-	-
Wereda 8	*	*	-	-	-	-	-
Wereda 10	-	-	-	-	-	-	-
Wereda 25	-	-	-	-	-	-	-
Zone 6	78	78	-	-	-	-	-
Wereda 26	43	43	-	-	-	-	-
Wereda 27	*	*	-	-	-	-	-

TABLE 7-11: ASSES AGED 3 YEARS AND OVER BY SEX AND PURPOSE, REGION, ZONE, AND WEREDA

a) Both Rural and Urban Holdings

Geographic Areas	ASSES AGED 3 YEARS AND OLDER						
	TOTAL	MALES			FEMALES		
		Transportation	Draught	Other	Transportation	Draught	Other
Addis Ababa	18,372	7,710	*	204	1,166	666	-
Zone 1	-	-	-	-	-	-	-
Wereda 6	-	-	-	-	-	-	-
Zone 2	2,496	2,032	173	198	70	*	-
Wereda 20	*	*	-	-	-	-	-
Wereda 21	-	-	-	-	-	-	-
Wereda 23	*	*	*	*	*	-	-
Wereda 24	2,228	1,791	168	181	64	*	-
Zone 3	12,516	4,191	*	-	333	*	-
Wereda 17	8,916	1,459	*	-	223	-	-
Wereda 19	1,143	954	56	-	110	*	-
Wereda 28	2,458	1,777	681	-	-	-	-
Zone 4	341	304	*	-	26	-	-
Wereda 11	*	*	*	-	-	-	-
Wereda 12	132	127	-	-	*	-	-
Wereda 15	-	-	-	-	-	-	-
Wereda 16	146	125	-	-	21	-	-
Zone 5	134	117	-	-	*	-	-
Wereda 8	*	*	-	-	*	-	-
Wereda 10	-	-	-	-	-	-	-
Wereda 25	101	101	-	-	-	-	-
Zone 6	2,885	1,066	470	*	722	620	-
Wereda 26	1,898	947	282	*	493	169	-
Wereda 27	986	119	188	-	229	450	-

b) Rural Holdings

Geographic Areas	ASSES AGED 3 YEARS AND OLDER						
	TOTAL	MALES			FEMALES		
		Transportation	Draught	Other	Transportation	Draught	Other
Addis Ababa	14,238	4,919	*	*	599	465	-
Zone 3	12,128	3,989	*	-	194	*	-
Wereda 17	*	1,430	*	-	*	-	-
Wereda 19	936	841	*	-	64	*	-
Wereda 28	2,399	1,718	681	-	-	-	-
Zone 6	2,109	930	312	*	405	457	-
Wereda 26	1,382	840	191	*	221	124	-
Wereda 27	727	90	121	-	184	333	-

c) Urban Holdings

Geographic Areas	ASSES AGED 3 YEARS AND OLDER						
	TOTAL	MALES			FEMALES		
		Transportation	Draught	Other	Transportation	Draught	Other
Addis Ababa	4,134	2,791	377	198	567	*	-
Zone 1	-	-	-	-	-	-	-
Wereda 6	-	-	-	-	-	-	-
Zone 2	2,496	2,032	173	198	70	*	-
Wereda 20	*	*	-	-	-	-	-
Wereda 21	-	-	-	-	-	-	-
Wereda 23	*	*	*	*	*	-	-
Wereda 24	2,228	1,791	168	181	64	*	-
Zone 3	388	202	*	-	139	*	-
Wereda 17	122	*	-	-	*	-	-
Wereda 19	206	113	*	-	*	*	-
Wereda 28	*	*	-	-	-	-	-
Zone 4	341	304	*	-	26	-	-
Wereda 11	*	*	*	-	-	-	-
Wereda 12	132	127	-	-	*	-	-
Wereda 15	-	-	-	-	-	-	-
Wereda 16	146	125	-	-	21	-	-
Zone 5	134	117	-	-	*	-	-
Wereda 8	*	*	-	-	*	-	-
Wereda 10	-	-	-	-	-	-	-
Wereda 25	101	101	-	-	-	-	-
Zone 6	775	136	*	-	317	*	-
Wereda 26	516	107	*	-	272	*	-
Wereda 27	*	29	*	-	45	*	-

TABLE 7-12: MULES AGED 3 YEARS AND ABOVE BY SEX AND PURPOSE, REGION, ZONE, AND WEREDA

a) Both Rural and Urban Holdings

Geographic Areas	MULES AGED 3 YEARS AND OLDER						
	TOTAL	MALES			FEMALES		
		Transportation	Draught	Other	Transportation	Draught	Other
Addis Ababa	*	*	*	-	*	-	-
Zone 1	-	-	-	-	-	-	-
Wereda 6	-	-	-	-	-	-	-
Zone 2	-	-	-	-	-	-	-
Wereda 20	-	-	-	-	-	-	-
Wereda 21	-	-	-	-	-	-	-
Wereda 23	-	-	-	-	-	-	-
Wereda 24	-	-	-	-	-	-	-
Zone 3	*	*	*	-	*	-	-
Wereda 17	*	*	-	-	*	-	-
Wereda 19	27	27	-	-	-	-	-
Wereda 28	*	*	*	-	*	-	-
Zone 4	-	-	-	-	-	-	-
Wereda 11	-	-	-	-	-	-	-
Wereda 12	-	-	-	-	-	-	-
Wereda 15	-	-	-	-	-	-	-
Wereda 16	-	-	-	-	-	-	-
Zone 5	-	-	-	-	-	-	-
Wereda 8	-	-	-	-	-	-	-
Wereda 10	-	-	-	-	-	-	-
Wereda 25	-	-	-	-	-	-	-
Zone 6	142	137	-	-	*	-	-
Wereda 26	109	105	-	-	*	-	-
Wereda 27	*	*	-	-	-	-	-

b) Rural Holdings

Geographic Areas	MULES AGED 3 YEARS AND OLDER						
	TOTAL	MALES			FEMALES		
		Transportation	Draught	Other	Transportation	Draught	Other
Addis Ababa	*	*	*	-	*	-	-
Zone 3	*	*	*	-	*	-	-
Wereda 17	*	*	-	-	*	-	-
Wereda 19	27	27	-	-	-	-	-
Wereda 28	*	*	*	-	*	-	-
Zone 6	133	128	-	-	*	-	-
Wereda 26	100	95	-	-	*	-	-
Wereda 27	*	*	-	-	-	-	-

c) Urban Holdings

Geographic Areas	MULES AGED 3 YEARS AND OLDER						
	TOTAL	MALES			FEMALES		
		Transportation	Draught	Other	Transportation	Draught	Other
Addis Ababa	*	*	-	-	-	-	-
Zone 1	-	-	-	-	-	-	-
Wereda 6	-	-	-	-	-	-	-
Zone 2	-	-	-	-	-	-	-
Wereda 20	-	-	-	-	-	-	-
Wereda 21	-	-	-	-	-	-	-
Wereda 23	-	-	-	-	-	-	-
Wereda 24	-	-	-	-	-	-	-
Zone 3	-	-	-	-	-	-	-
Wereda 17	-	-	-	-	-	-	-
Wereda 19	-	-	-	-	-	-	-
Wereda 28	-	-	-	-	-	-	-
Zone 4	-	-	-	-	-	-	-
Wereda 11	-	-	-	-	-	-	-
Wereda 12	-	-	-	-	-	-	-
Wereda 15	-	-	-	-	-	-	-
Wereda 16	-	-	-	-	-	-	-
Zone 5	-	-	-	-	-	-	-
Wereda 8	-	-	-	-	-	-	-
Wereda 10	-	-	-	-	-	-	-
Wereda 25	-	-	-	-	-	-	-
Zone 6	*	*	-	-	-	-	-
Wereda 26	*	*	-	-	-	-	-
Wereda 27	-	-	-	-	-	-	-

a) Both Rural and Urban Holdings

[illegible]

b) Rural Holdings

[illegible]

c) Urban Holdings

Geographic Areas	CAMELS AGED 4 YEARS AND OLDER									
	TOTAL	MALES				FEMALES				
		Meat	Draught	Transportation	Other	Meat	Draught	Milk	Transportation	Other
Addis Ababa										
Zone 1										
Wereda 6										
Zone 2										
Wereda 20										
Wereda 21										
Wereda 23										
Wereda 24										
Zone 3										
Wereda 17										
Wereda 19										
Wereda 28										
Zone 4										
Wereda 11										
Wereda 12										
Wereda 15										
Wereda 16										
Zone 5										
Wereda 8										
Wereda 10										
Wereda 25										
Zone 6										
Wereda 26										
Wereda 27										

TABLE 7-14: POULTRY INVENTORY BY REGION, ZONE, AND WEREDA

a) Both Rural and Urban Holdings

Geographic Areas	Total Poultry	Cocks	Cockerels	Pullets	Non-Laying Hens	Chicks	Laying Hens	Avg. Number of Clutches	Avg. Egg Production/Hen/Clutch
Addis Ababa	100,163	11,731	5,778	7,764	4,994	30,245	39,652	21	15
Zone 1	-	-	-	-	-	-	-	-	-
Wereda 6	-	-	-	-	-	-	-	-	-
Zone 2	10,621	1,413	610	975	682	3,187	3,752	24	15
Wereda 20	278	-	*	*	*	*	58	26	18
Wereda 21	-	-	-	-	-	-	-	-	-
Wereda 23	1,218	134	*	*	155	393	322	23	14
Wereda 24	9,125	1,280	588	723	504	2,658	3,372	24	15
Zone 3	62,151	7,743	3,284	3,153	2,672	18,728	26,570	20	15
Wereda 17	38,211	*	1,295	674	1,289	*	-	19	15
Wereda 19	9,296	1,062	928	1,145	805	2,619	2,737	24	15
Wereda 28	14,644	1,638	1,062	1,335	579	4,478	5,552	23	15
Zone 4	3,024	438	109	389	196	939	954	24	14
Wereda 11	728	154	*	*	*	*	277	25	15
Wereda 12	1,594	170	70	271	*	603	447	22	11
Wereda 15	24	5	-	-	-	-	19	70	57
Wereda 16	678	109	*	*	*	227	210	24	14
Zone 5	2,450	236	262	565	227	616	544	23	15
Wereda 8	*	*	*	*	*	*	-	21	15
Wereda 10	183	35	5	30	5	25	84	24	15
Wereda 25	1,579	160	147	357	*	392	315	24	16
Zone 6	21,917	1,900	1,513	2,681	1,216	6,774	7,833	23	15
Wereda 26	10,258	814	795	1,354	505	3,034	3,756	25	15
Wereda 27	11,660	1,086	718	1,327	711	3,740	4,077	22	15

b) Rural Holdings

Geographic Areas	Total Poultry	Cocks	Cockerels	Pullets	Non-Laying Hens	Chicks	Laying Hens	Avg. Number of Clutches	Avg. Egg Production/Hen/Clutch
Addis Ababa	66,325	8,024	3,490	3,865	2,465	19,593	28,887	20	15
Zone 3	53,777	6,827	2,597	2,254	1,745	16,094	24,260	20	15
Wereda 17	*	*	1,244	*	1,029	*	-	18	15
Wereda 19	4,353	542	400	589	216	1,096	1,510	23	14
Wereda 28	12,900	1,455	952	1,139	500	4,002	4,852	23	15
Zone 6	12,548	1,197	894	1,611	720	3,499	4,627	23	15
Wereda 26	5,880	479	473	803	328	1,714	2,083	24	14
Wereda 27	6,668	719	421	808	392	1,785	2,544	22	15

c) Urban Holdings

Geographic Areas	Total Poultry	Cocks	Cockerels	Pullets	Non-Laying Hens	Chicks	Laying Hens	Avg. Number of Clutches	Avg. Egg Production/Hen/Clutch
Addis Ababa	33,838	3,707	2,288	3,898	2,529	10,651	10,765	24	14
Zone 1	-	-	-	-	-	-	-	-	-
Wereda 6	-	-	-	-	-	-	-	-	-
Zone 2	10,621	1,413	610	975	682	3,187	3,752	24	15
Wereda 20	278	-	*	*	*	*	58	26	18
Wereda 21	-	-	-	-	-	-	-	-	-
Wereda 23	1,218	134	*	*	155	393	322	23	14
Wereda 24	9,125	1,280	588	723	504	2,658	3,372	24	15
Zone 3	8,374	916	688	899	927	2,634	2,310	24	14
Wereda 17	*	*	*	148	*	*	382	22	13
Wereda 19	4,943	520	*	556	589	1,523	1,228	26	15
Wereda 28	1,744	183	110	*	*	476	700	22	13
Zone 4	3,024	438	109	389	196	939	954	24	14
Wereda 11	728	154	*	*	*	*	277	25	15
Wereda 12	1,594	170	70	271	*	603	447	22	11
Wereda 15	24	5	-	-	-	-	19	70	57
Wereda 16	678	109	*	*	*	227	210	24	14
Zone 5	2,450	236	262	565	227	616	544	23	15
Wereda 8	*	*	*	*	*	*	-	21	15
Wereda 10	183	35	5	30	5	25	84	24	15
Wereda 25	1,579	160	147	357	*	392	315	24	16
Zone 6	9,369	703	619	1,070	496	3,275	3,205	24	15
Wereda 26	4,377	335	322	550	177	1,320	1,672	25	15
Wereda 27	4,991	368	297	*	319	1,955	1,533	23	14

TABLE 7-15: BEEHIVE INVENTORY AND PRODUCTION OF HONEY BY REGION, ZONE, AND WEREDA

a) Both Rural and Urban Holdings

Geographic Areas	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
Addis Ababa	4,231	3,605	670	2	2,998	3,543	2	*	*	2	*
Zone 1	-	-	-	-	-	-	-	-	-	-	-
Wereda 6	-	-	-	-	-	-	-	-	-	-	-
Zone 2	1,336	-	-	2	-	1,336	-	-	-	-	-
Wereda 20	-	-	-	-	-	-	-	-	-	-	-
Wereda 21	-	-	-	-	-	-	-	-	-	-	-
Wereda 23	*	-	-	2	-	*	-	-	-	-	-
Wereda 24	1,039	-	-	2	-	1,039	-	-	-	-	-
Zone 3	1,167	2,313	420	2	1,722	*	2	*	*	2	*
Wereda 17	*	*	*	1	*	*	2	*	-	1	-
Wereda 19	246	*	*	2	*	*	-	-	-	2	-
Wereda 28	210	918	200	1	725	-	-	-	*	2	*
Zone 4	*	-	-	1	-	*	-	-	-	-	-
Wereda 11	*	-	-	1	-	*	-	-	-	-	-
Wereda 12	*	-	-	1	-	*	-	-	-	-	-
Wereda 15	-	-	-	-	-	-	-	-	-	-	-
Wereda 16	-	-	-	-	-	-	-	-	-	-	-
Zone 5	*	-	-	2	-	*	-	-	-	-	-
Wereda 8	*	-	-	2	-	*	-	-	-	-	-
Wereda 10	-	-	-	-	-	-	-	-	-	-	-
Wereda 25	*	-	-	-	-	*	-	-	-	-	-
Zone 6	1,387	1,292	250	2	1,276	1,129	-	-	*	1	*
Wereda 26	1,027	907	159	2	891	860	-	-	*	1	*
Wereda 27	360	*	91	2	*	*	-	-	-	-	-

b) Rural Holdings

Geographic Areas	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
Addis Ababa	681	3,182	664	2	2,972	-	-	-	*	2	*
Zone 3	429	1,916	420	2	1,722	-	-	-	*	2	*
Wereda 17	*	*	*	1	*	-	-	-	-	-	-
Wereda 19	*	*	*	2	*	-	-	-	-	-	-
Wereda 28	210	918	200	1	725	-	-	-	*	2	*
Zone 6	252	1,266	244	2	1,250	-	-	-	*	1	*
Wereda 26	161	881	153	2	866	-	-	-	*	1	*
Wereda 27	91	*	91	2	*	-	-	-	-	-	-

c) Urban Holdings

Geographic Areas	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
Addis Ababa	3,549	*	*	2	*	3,543	2	*	-	2	-
Zone 1	-	-	-	-	-	-	-	-	-	-	-
Wereda 6	-	-	-	-	-	-	-	-	-	-	-
Zone 2	1,336	-	-	2	-	1,336	-	-	-	-	-
Wereda 20	-	-	-	-	-	-	-	-	-	-	-
Wereda 21	-	-	-	-	-	-	-	-	-	-	-
Wereda 23	*	-	-	2	-	*	-	-	-	-	-
Wereda 24	1,039	-	-	2	-	1,039	-	-	-	-	-
Zone 3	*	*	-	1	-	*	2	*	-	2	-
Wereda 17	*	*	-	1	-	*	2	*	-	1	-
Wereda 19	*	-	-	1	-	*	-	-	-	2	-
Wereda 28	-	-	-	-	-	-	-	-	-	2	-
Zone 4	*	-	-	1	-	*	-	-	-	-	-
Wereda 11	*	-	-	1	-	*	-	-	-	-	-
Wereda 12	*	-	-	1	-	*	-	-	-	-	-
Wereda 15	-	-	-	-	-	-	-	-	-	-	-
Wereda 16	-	-	-	-	-	-	-	-	-	-	-
Zone 5	*	-	-	2	-	*	-	-	-	-	-
Wereda 8	*	-	-	2	-	*	-	-	-	-	-
Wereda 10	-	-	-	-	-	-	-	-	-	-	-
Wereda 25	*	-	-	-	-	*	-	-	-	-	-
Zone 6	1,135	*	*	2	*	1,129	-	-	-	-	-
Wereda 26	867	*	*	2	*	860	-	-	-	-	-
Wereda 27	*	-	-	2	-	*	-	-	-	-	-

TABLE 7-16: NUMBER OF DAIRY ANIMALS, MILK PRODUCTION AND LACTATION PERIOD BY REGION, ZONE, AND WEREDA

a) Both Rural and Urban Holdings

Geographic Areas	Number Of	Number Of	Average	Average	Total	Number	Number	Average	Average	Total
	Dairy Cows	Milking Cows	Daily Milk Prod.	Lactation Period (Mn)	Milk Production(Lt)	Of Dairy Camels	Of Milking Camels	Daily Milk Prod.	Lactation Period(Mn)	Milk Production (Lt)
Addis Ababa	17,730	20,160	2.651	8	12,175,288	-	*	-	-	-
Zone 1	108	108	1.997	7	45,511	-	-	-	-	-
Wereda 6	108	108	1.997	7	45,511	-	-	-	-	-
Zone 2	4,122	3,209	2.807	7	1,975,178	-	*	-	-	-
Wereda 20	238	171	4.436	6	*	-	*	-	-	-
Wereda 21	-	-	-	8	-	-	-	-	-	-
Wereda 23	1,065	838	2.692	6	486,357	-	-	-	-	-
Wereda 24	2,819	2,200	2.564	7	1,366,606	-	-	-	-	-
Zone 3	9,061	11,783	2.353	8	6,636,680	-	*	-	-	-
Wereda 17	3,614	6,369	2.084	8	3,026,636	-	*	-	-	-
Wereda 19	1,682	1,870	2.974	7	1,615,717	-	-	-	-	-
Wereda 28	3,766	3,544	2.571	8	1,994,328	-	-	-	-	-
Zone 4	1,239	1,073	3.119	7	835,399	-	-	-	-	-
Wereda 11	91	107	2.524	7	81,974	-	-	-	-	-
Wereda 12	617	514	3.608	7	475,450	-	-	-	-	-
Wereda 15	92	116	2.456	6	65,921	-	-	-	-	-
Wereda 16	439	336	2.772	7	*	-	-	-	-	-
Zone 5	919	783	2.223	7	434,278	-	-	-	-	-
Wereda 8	227	191	2.738	9	*	-	-	-	-	-
Wereda 10	89	79	5.198	8	70,686	-	-	-	-	-
Wereda 25	603	513	1.811	7	220,392	-	-	-	-	-
Zone 6	2,281	3,204	3.207	8	2,248,242	-	-	-	-	-
Wereda 26	1,032	1,667	2.481	8	912,470	-	-	-	-	-
Wereda 27	1,249	1,537	3.979	8	1,335,772	-	-	-	-	-

b) Rural Holdings

Geographic Areas	Number Of Dairy Cows	Number Of Milking Cows	Average Daily Milk Prod.	Average Lactation Period(Mn)	Total Milk Production(Lt)	Number Of Dairy Camels	Number Of Milking Camels	Average Daily Milk Production	Average Lactation Period (Mn)	Total Milk Production (Lt)
Addis Ababa	7,267	10,535	1.948	8	4,368,904	-	*	-	-	-
Zone 3	6,503	9,224	1.919	8	3,846,562	-	*	-	-	-
Wereda 17	2,648	5,420	1.891	8	2,140,168	-	*	-	-	-
Wereda 19	715	759	1.352	7	227,523	-	-	-	-	-
Wereda 28	3,140	3,045	2.143	8	1,478,871	-	-	-	-	-
Zone 6	764	1,311	2.111	8	522,342	-	-	-	-	-
Wereda 26	388	728	1.247	8	177,311	-	-	-	-	-
Wereda 27	376	583	3.123	8	345,031	-	-	-	-	-

c) Urban Holdings

Geographic Areas	Number Of Dairy Cows	Number Of Milking Cows	Average Daily Milk Prod.	Average Lactation Period(Mn)	Total Milk Production(Lt)	Number Of Dairy Camels	Number Of Milking Camels	Average Daily Milk Prod.	Average Lactation Period (Mn)	Total Milk Production (Lt)
Addis Ababa	10,463	9,625	3.354	7	7,806,384	-	*	-	-	-
Zone 1	108	108	1.997	7	45,511	-	-	-	-	-
Wereda 6	108	108	1.997	7	45,511	-	-	-	-	-
Zone 2	4,122	3,209	2.807	7	1,975,178	-	*	-	-	-
Wereda 20	238	171	4.436	6	*	-	*	-	-	-
Wereda 21	-	-	-	8	-	-	-	-	-	-
Wereda 23	1,065	838	2.692	6	486,357	-	-	-	-	-
Wereda 24	2,819	2,200	2.564	7	1,366,606	-	-	-	-	-
Zone 3	2,558	2,559	4.023	7	2,790,118	-	-	-	-	-
Wereda 17	966	949	3.562	7	886,467	-	-	-	-	-
Wereda 19	966	1,111	4.104	7	1,388,194	-	-	-	-	-
Wereda 28	625	500	4.484	7	515,456	-	-	-	-	-
Zone 4	1,239	1,073	3.119	7	835,399	-	-	-	-	-
Wereda 11	91	107	2.524	7	81,974	-	-	-	-	-
Wereda 12	617	514	3.608	7	475,450	-	-	-	-	-
Wereda 15	92	116	2.456	6	65,921	-	-	-	-	-
Wereda 16	439	336	2.772	7	*	-	-	-	-	-
Zone 5	919	783	2.223	7	434,278	-	-	-	-	-
Wereda 8	227	191	2.738	9	*	-	-	-	-	-
Wereda 10	89	79	5.198	8	70,686	-	-	-	-	-
Wereda 25	603	513	1.811	7	220,392	-	-	-	-	-
Zone 6	1,516	1,893	3.994	8	1,725,900	-	-	-	-	-
Wereda 26	644	938	3.447	8	735,159	-	-	-	-	-
Wereda 27	872	954	4.541	8	990,741	-	-	-	-	-

TABLE 7-17: NUMBER OF CATTLE BY SEX AND BREED, REGION, ZONE, AND WEREDA
a) Both Rural and Urban Holdings

Geographic Areas		MALE			FEMALE		
		Indigenous	Hybrid	Exotic	Indigenous	Hybrid	Exotic
	Total						
Addis Ababa	97,215	44,921	*	1,053	40,091	3,815	5,581
Zone 1	325	-	-	-	108	217	-
Wereda 6	325	-	-	-	108	217	-
Zone 2	11,258	3,610	*	385	5,370	*	1,590
Wereda 20	512	82	*	-	242	*	*
Wereda 21	8	-	-	-	-	-	8
Wereda 23	2,239	320	*	167	806	*	742
Wereda 24	8,499	3,208	*	218	4,321	*	718
Zone 3	64,470	33,049	*	257	25,915	2,160	1,775
Wereda 17	42,694	*	*	105	15,926	*	511
Wereda 19	6,964	2,719	63	67	2,843	526	746
Wereda 28	14,813	6,416	145	85	7,146	503	517
Zone 4	3,057	553	*	121	1,680	75	622
Wereda 11	*	*	*	-	*	*	*
Wereda 12	1,440	246	-	58	770	*	358
Wereda 15	237	10	-	29	102	5	92
Wereda 16	911	174	-	34	490	45	*
Zone 5	2,701	556	*	66	1,660	140	249
Wereda 8	860	212	-	22	513	23	89
Wereda 10	228	30	5	-	50	64	79
Wereda 25	1,614	314	*	*	1,097	*	*
Zone 6	15,403	7,154	361	225	5,358	962	1,344
Wereda 26	9,338	5,080	117	101	3,201	320	520
Wereda 27	6,065	2,074	244	123	2,157	642	825

b) Rural Holdings

Geographic Areas	Total	MALE			FEMALE		
		Indigenous	Hybrid	Exotic	Indigenous	Hybrid	Exotic
Addis Ababa	66,091	37,023	*	61	25,524	*	174
Zone 3	57,454	31,914	*	*	22,760	*	*
Wereda 17	40,151	*	*	-	14,443	*	-
Wereda 19	3,891	2,059	*	*	1,681	93	*
Wereda 28	13,412	6,266	*	*	6,635	348	*
Zone 6	8,637	5,108	314	49	2,764	261	140
Wereda 26	5,532	3,746	78	*	1,663	*	-
Wereda 27	3,106	1,362	236	*	1,102	223	140

c) Urban Holdings

Geographic Areas	Total	MALE			FEMALE		
		Indigenous	Hybrid	Exotic	Indigenous	Hybrid	Exotic
Addis Ababa	31,123	7,898	168	993	14,567	2,091	5,407
Zone 1	325	-	-	-	108	217	-
Wereda 6	325	-	-	-	108	217	-
Zone 2	11,258	3,610	*	385	5,370	*	1,590
Wereda 20	512	82	*	-	242	*	*
Wereda 21	8	-	-	-	-	-	8
Wereda 23	2,239	320	*	167	806	*	742
Wereda 24	8,499	3,208	*	218	4,321	*	718
Zone 3	7,017	1,135	43	246	3,155	697	1,742
Wereda 17	2,543	325	*	105	1,483	*	511
Wereda 19	3,073	660	*	60	1,161	*	730
Wereda 28	1,401	149	*	80	511	*	500
Zone 4	3,057	553	*	121	1,680	75	622
Wereda 11	*	*	*	-	*	*	*
Wereda 12	1,440	246	-	58	770	*	358
Wereda 15	237	10	-	29	102	5	92
Wereda 16	911	174	-	34	490	45	*
Zone 5	2,701	556	*	66	1,660	140	249
Wereda 8	860	212	-	22	513	23	89
Wereda 10	228	30	5	-	50	64	79
Wereda 25	1,614	314	*	*	1,097	*	*
Zone 6	6,766	2,045	46	176	2,594	701	1,204
Wereda 26	3,806	1,334	39	94	1,538	282	520
Wereda 27	2,959	*	*	82	1,056	419	684

TABLE 7-18: NUMBER OF SHEEP BY SEX AND BREED, REGION, ZONE, AND WEREDA

a) Both Rural and Urban Holdings

Geographic Areas	Total	MALE			FEMALE		
		Indigenous	Hybrid	Exotic	Indigenous	Hybrid	Exotic
Addis Ababa	29,682	9,371	*	-	20,280	*	-
Zone 1	31	-	-	-	31	-	-
Wereda 6	31	-	-	-	31	-	-
Zone 2	6,383	1,875	-	-	4,508	-	-
Wereda 20	220	62	-	-	158	-	-
Wereda 21	264	91	-	-	173	-	-
Wereda 23	652	201	-	-	451	-	-
Wereda 24	5,248	1,521	-	-	3,727	-	-
Zone 3	12,335	4,006	*	-	8,298	*	-
Wereda 17	4,472	*	-	-	2,755	-	-
Wereda 19	1,861	533	-	-	1,328	-	-
Wereda 28	6,002	1,756	*	-	4,215	*	-
Zone 4	2,416	664	-	-	1,752	-	-
Wereda 11	969	262	-	-	707	-	-
Wereda 12	1,048	276	-	-	772	-	-
Wereda 15	29	10	-	-	19	-	-
Wereda 16	*	*	-	-	*	-	-
Zone 5	1,374	503	-	-	871	-	-
Wereda 8	209	81	-	-	*	-	-
Wereda 10	243	89	-	-	153	-	-
Wereda 25	922	333	-	-	590	-	-
Zone 6	7,143	2,323	-	-	4,820	-	-
Wereda 26	4,191	1,353	-	-	2,837	-	-
Wereda 27	2,952	969	-	-	1,982	-	-

b) Rural Holdings

Geographic Areas	Total	MALE			FEMALE		
		Indigenous	Hybrid	Exotic	Indigenous	Hybrid	Exotic
Addis Ababa	12,432	4,136	*	-	8,266	*	-
Zone 3	9,516	3,120	*	-	6,366	*	-
Wereda 17	*	*	-	-	*	-	-
Wereda 19	464	144	-	-	320	-	-
Wereda 28	5,212	1,528	*	-	3,654	*	-
Zone 6	2,916	1,016	-	-	1,900	-	-
Wereda 26	1,737	622	-	-	1,115	-	-
Wereda 27	1,179	394	-	-	785	-	-

c) Urban Holdings

Geographic Areas	Total	MALE			FEMALE		
		Indigenous	Hybrid	Exotic	Indigenous	Hybrid	Exotic
Addis Ababa	17,250	5,235	-	-	12,014	-	-
Zone 1	31	-	-	-	31	-	-
Wereda 6	31	-	-	-	31	-	-
Zone 2	6,383	1,875	-	-	4,508	-	-
Wereda 20	220	62	-	-	158	-	-
Wereda 21	264	91	-	-	173	-	-
Wereda 23	652	201	-	-	451	-	-
Wereda 24	5,248	1,521	-	-	3,727	-	-
Zone 3	2,819	886	-	-	1,933	-	-
Wereda 17	632	269	-	-	364	-	-
Wereda 19	1,397	389	-	-	1,008	-	-
Wereda 28	789	228	-	-	561	-	-
Zone 4	2,416	664	-	-	1,752	-	-
Wereda 11	969	262	-	-	707	-	-
Wereda 12	1,048	276	-	-	772	-	-
Wereda 15	29	10	-	-	19	-	-
Wereda 16	*	*	-	-	*	-	-
Zone 5	1,374	503	-	-	871	-	-
Wereda 8	209	81	-	-	*	-	-
Wereda 10	243	89	-	-	153	-	-
Wereda 25	922	333	-	-	590	-	-
Zone 6	4,227	1,307	-	-	2,919	-	-
Wereda 26	2,454	731	-	-	1,723	-	-
Wereda 27	1,773	576	-	-	1,197	-	-

TABLE 7-19: NUMBER OF GOATS BY SEX AND BREED, REGION, ZONE, AND WEREDA

a) Both Rural and Urban Holdings

Geographic Areas	Total	MALE			FEMALE		
		Indigenous	Hybrid	Exotic	Indigenous	Hybrid	Exotic
Addis Ababa	*	*	15	-	*	25	-
Zone 1	-	-	-	-	-	-	-
Wereda 6	-	-	-	-	-	-	-
Zone 2	852	237	-	-	616	-	-
Wereda 20	*	-	-	-	*	-	-
Wereda 21	-	-	-	-	-	-	-
Wereda 23	*	*	-	-	*	-	-
Wereda 24	752	210	-	-	541	-	-
Zone 3	*	*	-	-	*	-	-
Wereda 17	*	*	-	-	*	-	-
Wereda 19	965	380	-	-	585	-	-
Wereda 28	2,654	925	-	-	1,729	-	-
Zone 4	458	111	-	-	348	-	-
Wereda 11	*	*	-	-	*	-	-
Wereda 12	*	67	-	-	*	-	-
Wereda 15	15	5	-	-	10	-	-
Wereda 16	122	28	-	-	94	-	-
Zone 5	*	*	15	-	*	25	-
Wereda 8	*	*	-	-	*	-	-
Wereda 10	59	5	15	-	15	25	-
Wereda 25	*	*	-	-	*	-	-
Zone 6	1,602	561	-	-	1,041	-	-
Wereda 26	870	341	-	-	529	-	-
Wereda 27	*	*	-	-	*	-	-

b) Rural Holdings

Geographic Areas	Total	MALE			FEMALE		
		Indigenous	Hybrid	Exotic	Indigenous	Hybrid	Exotic
Addis Ababa	*	*	-	-	*	-	-
Zone 3	*	*	-	-	*	-	-
Wereda 17	*	*	-	-	*	-	-
Wereda 19	857	339	-	-	518	-	-
Wereda 28	2,345	829	-	-	1,516	-	-
Zone 6	1,188	428	-	-	760	-	-
Wereda 26	681	280	-	-	401	-	-
Wereda 27	*	*	-	-	*	-	-

c) Urban Holdings

Geographic Areas	Total	MALE			FEMALE		
		Indigenous	Hybrid	Exotic	Indigenous	Hybrid	Exotic
Addis Ababa	2,759	819	15	-	1,900	25	-
Zone 1	-	-	-	-	-	-	-
Wereda 6	-	-	-	-	-	-	-
Zone 2	852	237	-	-	616	-	-
Wereda 20	*	-	-	-	*	-	-
Wereda 21	-	-	-	-	-	-	-
Wereda 23	*	*	-	-	*	-	-
Wereda 24	752	210	-	-	541	-	-
Zone 3	567	195	-	-	373	-	-
Wereda 17	*	*	-	-	*	-	-
Wereda 19	108	*	-	-	67	-	-
Wereda 28	*	*	-	-	*	-	-
Zone 4	458	111	-	-	348	-	-
Wereda 11	*	*	-	-	*	-	-
Wereda 12	*	67	-	-	*	-	-
Wereda 15	15	5	-	-	10	-	-
Wereda 16	122	28	-	-	94	-	-
Zone 5	*	*	15	-	*	25	-
Wereda 8	*	*	-	-	*	-	-
Wereda 10	59	5	15	-	15	25	-
Wereda 25	*	*	-	-	*	-	-
Zone 6	*	*	-	-	*	-	-
Wereda 26	*	*	-	-	*	-	-
Wereda 27	*	*	-	-	*	-	-

TABLE 7-20: ESTIMATED NUMBER OF LIVESTOCK VACCINATED BY REGION, ZONE AND WEREDA

a) Both Urban Rural Holdings

Geographic Areas	Cattle	Sheep	Goats	Draught Animals	Camels	Poultry
Addis Ababa	46,618	1,344	86	473	-	*
Zone 1	217	-	-	-	-	-
Wereda 6	217	-	-	-	-	-
Zone 2	4,064	759	*	78	-	*
Wereda 20	*	*	-	-	-	-
Wereda 21	-	58	-	-	-	-
Wereda 23	476	*	-	*	-	-
Wereda 24	3,450	623	*	72	-	*
Zone 3	33,979	177	*	*	-	*
Wereda 17	*	*	-	*	-	*
Wereda 19	3,259	*	-	-	-	*
Wereda 28	5,509	*	*	*	-	*
Zone 4	800	-	-	-	-	-
Wereda 11	*	-	-	-	-	-
Wereda 12	634	-	-	-	-	-
Wereda 15	53	-	-	-	-	-
Wereda 16	99	-	-	-	-	-
Zone 5	924	53	*	*	-	*
Wereda 8	*	*	*	-	-	-
Wereda 10	163	20	-	-	-	-
Wereda 25	*	*	-	*	-	*
Zone 6	6,635	355	-	150	-	*
Wereda 26	3,025	249	-	*	-	-
Wereda 27	3,609	106	-	119	-	*

b) Rural Holdings

Geographic Areas	Cattle	Sheep	Goats	Draught Animals	Camels	Poultry
Addis Ababa	35,520	*	-	*	-	*
Zone 3	31,445	*	-	*	-	*
Wereda 17	*	-	-	*	-	*
Wereda 19	2,082	-	-	-	-	-
Wereda 28	4,892	*	-	*	-	*
Zone 6	4,075	*	-	91	-	-
Wereda 26	1,712	-	-	-	-	-
Wereda 27	2,364	*	-	91	-	-

c) Urban Holdings

Geographic Areas	Cattle	Sheep	Goats	Draught Animals	Camels	Poultry
Addis Ababa	11,098	1,243	86	182	-	206
Zone 1	217	-	-	-	-	-
Wereda 6	217	-	-	-	-	-
Zone 2	4,064	759	*	78	-	*
Wereda 20	*	*	-	-	-	-
Wereda 21	-	58	-	-	-	-
Wereda 23	476	*	-	*	-	-
Wereda 24	3,450	623	*	72	-	*
Zone 3	2,534	87	*	-	-	*
Wereda 17	*	*	-	-	-	-
Wereda 19	1,177	*	-	-	-	*
Wereda 28	617	*	*	-	-	-
Zone 4	800	-	-	-	-	-
Wereda 11	*	-	-	-	-	-
Wereda 12	634	-	-	-	-	-
Wereda 15	53	-	-	-	-	-
Wereda 16	99	-	-	-	-	-
Zone 5	924	53	*	*	-	*
Wereda 8	*	*	*	-	-	-
Wereda 10	163	20	-	-	-	-
Wereda 25	*	*	-	*	-	*
Zone 6	2,559	343	-	*	-	*
Wereda 26	1,314	249	-	*	-	-
Wereda 27	1,246	*	-	*	-	*

TABLE 7-21: ESTIMATED NUMBER OF LIVESTOCK AFFLICTED/DISEASED BY
REGION, ZONE, AND WEREDA

A) Both Rural and Urban Holdings

Geographic Areas	Cattle	Sheep	Goats	Draught Animals	Camels	Poultry
Addis Ababa	5,018	4,786	1,030	402	-	42,830
Zone 1	15	-	-	-	-	-
Wereda 6	15	-	-	-	-	-
Zone 2	394	421	*	33	-	2,793
Wereda 20	*	*	-	*	-	*
Wereda 21	-	33	-	-	-	-
Wereda 23	*	*	-	-	-	*
Wereda 24	168	315	*	25	-	2,482
Zone 3	3,120	*	681	198	-	20,691
Wereda 17	*	*	*	*	-	*
Wereda 19	469	163	223	60	-	4,399
Wereda 28	1,034	720	173	*	-	4,859
Zone 4	236	182	*	*	-	694
Wereda 11	*	*	-	-	-	*
Wereda 12	118	*	-	*	-	*
Wereda 15	34	5	-	-	-	-
Wereda 16	62	82	*	*	-	375
Zone 5	312	120	*	-	-	1,291
Wereda 8	213	*	*	-	-	*
Wereda 10	40	54	-	-	-	411
Wereda 25	59	*	-	-	-	*
Zone 6	941	889	*	154	-	17,361
Wereda 26	508	619	*	127	-	9,061
Wereda 27	433	270	-	*	-	8,300

b) Rural Holdings

Geographic Areas	Cattle	Sheep	Goats	Draught Animals	Camels	Poultry
Addis Ababa	2,984	3,301	681	319	-	27,945
Zone 3	2,502	*	676	*	-	16,810
Wereda 17	*	*	*	*	-	*
Wereda 19	215	69	223	43	-	1,919
Wereda 28	899	608	168	*	-	4,478
Zone 6	482	362	*	138	-	11,135
Wereda 26	272	220	*	127	-	4,494
Wereda 27	209	*	-	*	-	6,641

c) Urban Holdings

Geographic Areas	Cattle	Sheep	Goats	Draught Animals	Camels	Poultry
Addis Ababa	2,035	1,484	*	83	-	14,885
Zone 1	15	-	-	-	-	-
Wereda 6	15	-	-	-	-	-
Zone 2	394	421	*	33	-	2,793
Wereda 20	*	*	-	*	-	*
Wereda 21	-	33	-	-	-	-
Wereda 23	*	*	-	-	-	*
Wereda 24	168	315	*	25	-	2,482
Zone 3	618	233	*	*	-	3,881
Wereda 17	*	27	-	-	-	*
Wereda 19	254	94	-	*	-	2,480
Wereda 28	135	*	*	-	-	*
Zone 4	236	182	*	*	-	694
Wereda 11	*	*	-	-	-	*
Wereda 12	118	*	-	*	-	*
Wereda 15	34	5	-	-	-	-
Wereda 16	62	82	*	*	-	375
Zone 5	312	120	*	-	-	1,291
Wereda 8	213	*	*	-	-	*
Wereda 10	40	54	-	-	-	411
Wereda 25	59	*	-	-	-	*
Zone 6	459	528	*	*	-	6,226
Wereda 26	236	399	*	-	-	4,568
Wereda 27	223	*	-	*	-	*

TABLE 7-22: ESTIMATED NUMBER OF LIVESTOCK TREATED BY REGION, ZONE, AND WEREDA

a) Both Rural and Urban Holdings

Geographic Areas	Cattle	Sheep	Goats	Draught Animals	Camels	Poultry
Addis Ababa	1,547	359	*	38	-	1,193
Zone 1	15	-	-	-	-	-
Wereda 6	15	-	-	-	-	-
Zone 2	61	119	-	*	-	*
Wereda 20	*	-	-	*	-	-
Wereda 21	-	17	-	-	-	-
Wereda 23	*	*	-	-	-	-
Wereda 24	20	*	-	-	-	*
Zone 3	795	*	*	*	-	489
Wereda 17	*	-	-	-	-	-
Wereda 19	246	*	-	-	-	345
Wereda 28	234	*	*	*	-	*
Zone 4	54	*	-	-	-	*
Wereda 11	-	-	-	-	-	-
Wereda 12	32	*	-	-	-	*
Wereda 15	10	5	-	-	-	-
Wereda 16	*	-	-	-	-	*
Zone 5	199	*	*	-	-	-
Wereda 8	186	*	*	-	-	-
Wereda 10	-	-	-	-	-	-
Wereda 25	*	-	-	-	-	-
Zone 6	422	160	-	*	-	*
Wereda 26	128	*	-	*	-	*
Wereda 27	294	*	-	*	-	*

b) Rural Holdings

Geographic Areas	Cattle	Sheep	Goats	Draught Animals	Camels	Poultry
Addis Ababa	660	144	-	*	-	662
Zone 3	492	*	-	*	-	390
Wereda 17	*	-	-	-	-	-
Wereda 19	93	*	-	-	-	*
Wereda 28	191	*	-	*	-	*
Zone 6	167	*	-	*	-	*
Wereda 26	57	*	-	*	-	-
Wereda 27	110	*	-	-	-	*

c) Urban Holdings

Geographic Areas	Cattle	Sheep	Goats	Draught Animals	Camels	Poultry
Addis Ababa	887	215	*	*	-	531
Zone 1	15	-	-	-	-	-
Wereda 6	15	-	-	-	-	-
Zone 2	61	119	-	*	-	*
Wereda 20	*	-	-	*	-	-
Wereda 21	-	17	-	-	-	-
Wereda 23	*	*	-	-	-	-
Wereda 24	20	*	-	-	-	*
Zone 3	303	*	*	-	-	*
Wereda 17	*	-	-	-	-	-
Wereda 19	154	*	-	-	-	*
Wereda 28	43	-	*	-	-	-
Zone 4	54	*	-	-	-	*
Wereda 11	-	-	-	-	-	-
Wereda 12	32	*	-	-	-	*
Wereda 15	10	5	-	-	-	-
Wereda 16	*	-	-	-	-	*
Zone 5	199	*	*	-	-	-
Wereda 8	186	*	*	-	-	-
Wereda 10	-	-	-	-	-	-
Wereda 25	*	-	-	-	-	-
Zone 6	255	48	-	*	-	*
Wereda 26	*	*	-	-	-	*
Wereda 27	184	*	-	*	-	*

TABLE 7-23: ESTIMATED NUMBER OF LIVESTOCK DIED BY REGION, ZONE, AND WEREDA

a) Both Rural and Urban Holdings

Geographic Areas	Cattle	Sheep	Goats	Draught Animals	Camels	Poultry
Addis Ababa	3,083	4,245	915	282	-	40,714
Zone 1	-	-	-	-	-	-
Wereda 6	-	-	-	-	-	-
Zone 2	250	368	*	*	-	2,693
Wereda 20	64	*	-	*	-	*
Wereda 21	-	17	-	-	-	-
Wereda 23	*	*	-	-	-	*
Wereda 24	141	286	*	*	-	2,396
Zone 3	2,048	*	580	*	-	19,430
Wereda 17	*	*	*	*	-	*
Wereda 19	200	112	218	37	-	4,155
Wereda 28	601	476	173	*	-	4,411
Zone 4	169	152	*	*	-	548
Wereda 11	*	*	-	-	-	*
Wereda 12	81	*	-	*	-	*
Wereda 15	24	5	-	-	-	-
Wereda 16	49	82	*	*	-	*
Zone 5	130	107	-	-	-	1,260
Wereda 8	*	-	-	-	-	*
Wereda 10	35	54	-	-	-	406
Wereda 25	*	*	-	-	-	*
Zone 6	486	758	*	107	-	16,783
Wereda 26	301	551	*	95	-	8,620
Wereda 27	185	206	-	*	-	8,163

b) Rural Holdings

Geographic Areas	Cattle	Sheep	Goats	Draught Animals	Camels	Poultry
Addis Ababa	1,962	*	580	231	-	26,501
Zone 3	*	*	575	*	-	15,674
Wereda 17	*	*	*	*	-	*
Wereda 19	135	*	218	24	-	1,763
Wereda 28	476	379	168	*	-	4,067
Zone 6	234	306	*	95	-	10,827
Wereda 26	167	220	*	95	-	4,303
Wereda 27	67	*	-	-	-	6,524

c) Urban Holders

Geographic Areas	Cattle	Sheep	Goats	Draught Animals	Camels	Poultry
Addis Ababa	1,120	1,242	*	51	-	14,213
Zone 1	-	-	-	-	-	-
Wereda 6	-	-	-	-	-	-
Zone 2	250	368	*	*	-	2,693
Wereda 20	64	*	-	*	-	*
Wereda 21	-	17	-	-	-	-
Wereda 23	*	*	-	-	-	*
Wereda 24	141	286	*	*	-	2,396
Zone 3	320	*	*	*	-	3,756
Wereda 17	*	*	-	-	-	*
Wereda 19	65	*	-	*	-	2,393
Wereda 28	125	*	*	-	-	*
Zone 4	169	152	*	*	-	548
Wereda 11	*	*	-	-	-	*
Wereda 12	81	*	-	*	-	*
Wereda 15	24	5	-	-	-	-
Wereda 16	49	82	*	*	-	*
Zone 5	130	107	-	-	-	1,260
Wereda 8	*	-	-	-	-	*
Wereda 10	35	54	-	-	-	406
Wereda 25	*	*	-	-	-	*
Zone 6	252	452	*	*	-	5,956
Wereda 26	135	331	*	-	-	4,317
Wereda 27	117	*	-	*	-	*

TABLE 7-24: ANIMAL FEED PRACTICES OF PEASANT HOLDERS – PERCENTAGE USED BY TYPE OF FEED, REGION, ZONE, AND WEREDA

a) Both Rural and Urban Holdings

Geographic Areas	Total (%)	Green Fodder	Crop Residue	Improved Feed	Hay	By-Product	Others
Addis Ababa	100	41.75	24.99	0.31	13.57	12.57	6.81
Zone 1	100	25	8.33	-	-	16.67	50
Wereda 6	100	25	8.33	-	-	16.67	50
Zone 2	100	41.77	10.31	0.21	21.09	16.81	9.81
Wereda 20	100	30.74	0.84	-	23.6	19.2	25.62
Wereda 21	100	*	-	-	25.63	28.75	45.63
Wereda 23	100	29.69	3.21	0.23	35.67	26	5.2
Wereda 24	100	49.83	14.94	0.23	14.23	12.09	8.69
Zone 3	100	47.46	26.84	0.32	12.39	9.35	3.64
Wereda 17	100	53.32	31.39	0.01	7.2	6.75	1.33
Wereda 19	100	39.8	16.45	1.13	15.98	17.52	9.12
Wereda 28	100	36.84	21.56	0.61	23.91	10.87	6.2
Zone 4	100	44.31	4.06	0.31	24.57	19.98	6.76
Wereda 11	100	56.35	5.7	0.34	13.43	13.34	10.85
Wereda 12	100	50.7	4	0.47	17.85	21.41	5.57
Wereda 15	100	16.47	9.71	-	28.82	32.06	12.94
Wereda 16	100	26.83	1.29	-	48.2	19.48	4.21
Zone 5	100	32.52	8.82	-	19.82	19.41	19.43
Wereda 8	100	24.17	5.66	-	17.17	29.99	23.01
Wereda 10	100	11.43	5.71	-	33.04	23.57	26.25
Wereda 25	100	40.31	10.64	-	17.67	14.78	16.6
Zone 6	100	28.05	37.87	0.39	8.1	15.07	10.53
Wereda 26	100	26.64	51.41	0.16	3.77	11.79	6.22
Wereda 27	100	29.72	21.76	0.66	13.24	18.97	15.66

b) Rural Holdings

Geographic Areas	Total (%)	Green Fodder	Crop Residue	Improved Feed	Hay	By-Product	Others
Addis Ababa	100	49.97	33.35	0.13	8.4	6.07	2.07
Zone 3	100	52.39	31.25	0.11	8.65	5.92	1.68
Wereda 17	100	55.31	33.61	0.01	4.82	5.51	0.74
Wereda 19	100	61.99	23.97	0.39	8.72	4.58	0.36
Wereda 28	100	40.76	26.14	0.32	20.29	7.58	4.91
Zone 6	100	37.45	44.23	0.23	7.14	6.85	4.1
Wereda 26	100	29.36	58.31	0.1	3.51	6.24	2.49
Wereda 27	100	49.74	22.86	0.43	12.65	7.78	6.54

c) Urban Holdings

Geographic Areas	Total (%)	Green Fodder	Crop Residue	Improved Feed	Hay	By-Product	Others
Addis Ababa	100	32.1	15.18	0.52	19.65	20.19	12.37
Zone 1	100	25	8.33	-	-	16.67	50
Wereda 6	100	25	8.33	-	-	16.67	50
Zone 2	100	41.77	10.31	0.21	21.09	16.81	9.81
Wereda 20	100	30.74	0.84	-	23.6	19.2	25.62
Wereda 21	100	*	-	-	25.63	28.75	45.63
Wereda 23	100	29.69	3.21	0.23	35.67	26	5.2
Wereda 24	100	49.83	14.94	0.23	14.23	12.09	8.69
Zone 3	100	26.01	7.64	1.24	28.67	24.26	12.18
Wereda 17	100	27.97	3.11	-	37.58	22.6	8.74
Wereda 19	100	27.93	12.42	1.52	19.87	24.45	13.81
Wereda 28	100	19.35	1.12	1.9	40.09	25.58	11.97
Zone 4	100	44.31	4.06	0.31	24.57	19.98	6.76
Wereda 11	100	56.35	5.7	0.34	13.43	13.34	10.85
Wereda 12	100	50.7	4	0.47	17.85	21.41	5.57
Wereda 15	100	16.47	9.71	-	28.82	32.06	12.94
Wereda 16	100	26.83	1.29	-	48.2	19.48	4.21
Zone 5	100	32.52	8.82	-	19.82	19.41	19.43
Wereda 8	100	24.17	5.66	-	17.17	29.99	23.01
Wereda 10	100	11.43	5.71	-	33.04	23.57	26.25
Wereda 25	100	40.31	10.64	-	17.67	14.78	16.6
Zone 6	100	21.56	33.48	0.5	8.76	20.74	14.96
Wereda 26	100	24.39	45.71	0.21	3.99	16.4	9.31
Wereda 27	100	18.71	21.15	0.79	13.56	25.13	20.67

TABLE 7-25: ANIMAL FEED PRACTICES OF PEASANT HOLDERS – NUMBER OF HOLDERS REPORTING BY TYPE OF FEED, REGION, ZONE, AND WEREDA

a) Both Rural and Urban Holdings

Geographic Areas	Green Fodder	Crop Residue	Improved Feed	Hay	By-Product	Others
Addis Ababa	19,851	16,546	345	10,791	10,978	7,318
Zone 1	31	15	-	-	15	31
Wereda 6	31	15	-	-	15	31
Zone 2	2,424	1,293	31	1,949	1,777	1,153
Wereda 20	*	*	-	142	128	177
Wereda 21	-	-	-	41	33	58
Wereda 23	528	129	*	712	666	319
Wereda 24	1,776	1,155	*	1,054	950	599
Zone 3	11,953	10,547	174	5,678	5,001	2,477
Wereda 17	7,942	*	*	2,359	*	647
Wereda 19	1,507	1,204	81	1,099	1,114	803
Wereda 28	2,504	1,898	*	2,220	1,187	1,026
Zone 4	941	251	*	784	779	453
Wereda 11	223	*	*	89	82	59
Wereda 12	544	148	*	348	439	220
Wereda 15	44	29	-	63	73	48
Wereda 16	*	15	-	284	*	*
Zone 5	724	369	-	592	563	564
Wereda 8	135	54	-	110	138	*
Wereda 10	69	50	-	114	94	74
Wereda 25	520	266	-	368	332	407
Zone 6	3,778	4,071	127	1,787	2,842	2,641
Wereda 26	2,266	2,499	29	539	1,401	1,100
Wereda 27	1,513	1,571	98	1,248	1,440	1,541

b) Rural Holdings

Geographic Areas	Green Fodder	Crop Residue	Improved Feed	Hay	By-Product	Others
Addis Ababa	12,571	11,641	109	4,643	4,152	2,160
Zone 3	10,557	9,802	61	3,919	3,251	1,374
Wereda 17	*	*	*	*	*	453
Wereda 19	694	593	*	293	230	25
Wereda 28	2,283	1,872	*	1,797	818	896
Zone 6	2,014	1,839	*	724	901	786
Wereda 26	1,242	1,221	*	229	543	368
Wereda 27	773	618	*	495	358	418

c) Urban Holdings

Geographic Areas	Green Fodder	Crop Residue	Improved Feed	Hay	By-Product	Others
Addis Ababa	7,280	4,904	236	6,148	6,826	5,158
Zone 1	31	15	-	-	15	31
Wereda 6	31	15	-	-	15	31
Zone 2	2,424	1,293	31	1,949	1,777	1,153
Wereda 20	*	*	-	142	128	177
Wereda 21	-	-	-	41	33	58
Wereda 23	528	129	*	712	666	319
Wereda 24	1,776	1,155	*	1,054	950	599
Zone 3	1,396	745	113	1,759	1,750	1,103
Wereda 17	362	*	-	530	497	*
Wereda 19	813	611	65	806	884	778
Wereda 28	221	*	*	423	369	131
Zone 4	941	251	*	784	779	453
Wereda 11	223	*	*	89	82	59
Wereda 12	544	148	*	348	439	220
Wereda 15	44	29	-	63	73	48
Wereda 16	*	15	-	284	*	*
Zone 5	724	369	-	592	563	564
Wereda 8	135	54	-	110	138	*
Wereda 10	69	50	-	114	94	74
Wereda 25	520	266	-	368	332	407
Zone 6	1,764	2,231	*	1,063	1,941	1,855
Wereda 26	1,024	1,278	*	311	859	732
Wereda 27	740	953	*	753	1,082	1,123

TABLE 7-26: LIVESTOCK PRODUCT UTILIZATION - PERCENTAGE OF USES BY REGION, ZONE, AND WEREDA

a) Both Rural and Urban Holdings

Geographic Areas	Total (%)	PERCENT OF MILK UTILIZED FOR:			
		Household Consumption	Sale	Wages in Kind	Other
Addis Ababa	100	55.75	22.75	0.2	21.3
Zone 1	100	50	25	-	25
Wereda 6	100	50	25	-	25
Zone 2	100	49.93	30.69	0.05	19.33
Wereda 20	100	74.12	19.85	0.36	5.67
Wereda 21	-	-	-	-	-
Wereda 23	100	51.17	42.8	-	6.03
Wereda 24	100	45.96	25.55	0.03	28.45
Zone 3	100	62.58	16.18	0.3	20.93
Wereda 17	100	70.19	8.78	0.49	20.54
Wereda 19	100	61.84	27.56	-	10.6
Wereda 28	100	46.61	25.68	0.07	27.65
Zone 4	100	49.48	44.82	-	5.7
Wereda 11	100	73.24	26.76	-	-
Wereda 12	100	30.44	65.91	-	3.65
Wereda 15	100	57.5	42.5	-	-
Wereda 16	100	65.4	21.85	-	12.75
Zone 5	100	49.11	41.73	0.12	9.04
Wereda 8	100	16.62	82.73	-	0.65
Wereda 10	100	52.49	41.25	-	6.26
Wereda 25	100	58.13	29.94	0.17	11.77
Zone 6	100	43.06	25.52	0.12	31.3
Wereda 26	100	41.63	18.88	0.03	39.46
Wereda 27	100	44.66	32.94	0.22	22.18

b) Rural Holdings

Geographic Areas	Total (%)	PERCENT OF MILK UTILIZED FOR:			
		Household Consumption	Sale	Wages in Kind	Other
Addis Ababa	100	63.42	8.09	0.29	28.2
Zone 3	100	66.72	8.44	0.34	24.5
Wereda 17	100	74.53	2.56	0.52	22.39
Wereda 19	100	70.78	9.42	-	19.79
Wereda 28	100	47.19	22	-	30.81
Zone 6	100	43.27	5.96	-	50.77
Wereda 26	100	37.04	2.5	-	60.47
Wereda 27	100	51.64	10.6	-	37.76

c) Urban Holdings

Geographic Areas	Total (%)	PERCENT OF MILK UTILIZED FOR:			
		Household Consumption	Sale	Wages in Kind	Other
Addis Ababa	100	47.26	38.95	0.11	13.68
Zone 1	100	50	25	-	25
Wereda 6	100	50	25	-	25
Zone 2	100	49.93	30.69	0.05	19.33
Wereda 20	100	74.12	19.85	0.36	5.67
Wereda 21	-	-	-	-	-
Wereda 23	100	51.17	42.8	-	6.03
Wereda 24	100	45.96	25.55	0.03	28.45
Zone 3	100	46.39	46.53	0.15	6.93
Wereda 17	100	34.44	60.02	0.21	5.33
Wereda 19	100	55.85	39.69	-	4.45
Wereda 28	100	43.99	42.07	0.36	13.57
Zone 4	100	49.48	44.82	-	5.7
Wereda 11	100	73.24	26.76	-	-
Wereda 12	100	30.44	65.91	-	3.65
Wereda 15	100	57.5	42.5	-	-
Wereda 16	100	65.4	21.85	-	12.75
Zone 5	100	49.11	41.73	0.12	9.04
Wereda 8	100	16.62	82.73	-	0.65
Wereda 10	100	52.49	41.25	-	6.26
Wereda 25	100	58.13	29.94	0.17	11.77
Zone 6	100	42.93	38.15	0.2	18.73
Wereda 26	100	45.04	31.04	0.05	23.87
Wereda 27	100	40.83	45.2	0.35	13.63

TABLE 7-27: LIVESTOCK PRODUCT UTILIZATION - PERCENTAGE OF USES BY REGION, ZONE, AND WEREDA

a) Both Rural and Urban Holdings

Geographic Areas	Total (%)	PERCENT OF BUTTER UTILIZED FOR:			
		Household Consumption	Sale	Wages in Kind	Other
Addis Ababa	100	73.6	24.71	0.03	1.65
Zone 1	100	100	-	-	-
Wereda 6	100	100	-	-	-
Zone 2	100	73.28	23.92	0.04	2.76
Wereda 20	100	68.56	31.44	-	-
Wereda 21	-	-	-	-	-
Wereda 23	100	94.31	5.48	0.22	-
Wereda 24	100	68.56	27.97	-	3.47
Zone 3	100	73.68	25.86	-	0.46
Wereda 17	100	77.67	22.03	-	0.29
Wereda 19	100	71.33	27.23	-	1.44
Wereda 28	100	66.68	32.97	-	0.35
Zone 4	100	92.45	7.55	-	-
Wereda 11	100	89.42	10.58	-	-
Wereda 12	100	82.73	17.27	-	-
Wereda 15	100	100	-	-	-
Wereda 16	100	97.47	2.53	-	-
Zone 5	100	77.39	17.06	-	5.56
Wereda 8	100	100	-	-	-
Wereda 10	100	74.97	25.03	-	-
Wereda 25	100	76.54	17.31	-	6.16
Zone 6	100	70.26	25.47	0.12	4.15
Wereda 26	100	66.73	29.02	0.04	4.21
Wereda 27	100	74.98	20.73	0.23	4.06

b) Rural Holdings

Geographic Areas	Total (%)	PERCENT OF BUTTER UTILIZED FOR:			
		Household Consumption	Sale	Wages in Kind	Other
Addis Ababa	100	71.69	27.76	-	0.55
Zone 3	100	72.4	27.21	-	0.39
Wereda 17	100	77.34	22.36	-	0.3
Wereda 19	100	65.5	33.07	-	1.43
Wereda 28	100	63.5	36.26	-	0.24
Zone 6	100	68.56	30.15	-	1.29
Wereda 26	100	65.2	34.2	-	0.59
Wereda 27	100	73.15	24.62	-	2.23

c) Urban Holdings

Geographic Areas	Total (%)	PERCENT OF BUTTER UTILIZED FOR:			
		Household Consumption	Sale	Wages in Kind	Other
Addis Ababa	100	77.35	18.75	0.09	3.81
Zone 1	100	100	-	-	-
Wereda 6	100	100	-	-	-
Zone 2	100	73.28	23.92	0.04	2.76
Wereda 20	100	68.56	31.44	-	-
Wereda 21	-	-	-	-	-
Wereda 23	100	94.31	5.48	0.22	-
Wereda 24	100	68.56	27.97	-	3.47
Zone 3	100	84.6	14.3	-	1.1
Wereda 17	100	88.73	11.27	-	-
Wereda 19	100	80.54	18	-	1.46
Wereda 28	100	88.35	10.54	-	1.1
Zone 4	100	92.45	7.55	-	-
Wereda 11	100	89.42	10.58	-	-
Wereda 12	100	82.73	17.27	-	-
Wereda 15	100	100	-	-	-
Wereda 16	100	97.47	2.53	-	-
Zone 5	100	77.39	17.06	-	5.56
Wereda 8	100	100	-	-	-
Wereda 10	100	74.97	25.03	-	-
Wereda 25	100	76.54	17.31	-	6.16
Zone 6	100	72.35	19.69	0.27	7.69
Wereda 26	100	68.65	22.49	0.08	8.79
Wereda 27	100	77.18	16.05	0.51	6.26

TABLE 7-28: LIVESTOCK PRODUCT UTILIZATION - PERCENTAGE OF USES BY REGION, ZONE, AND WEREDA

a) Both Rural and Urban Holdings

Geographic Areas	Total (%)	PERCENT OF CHEESE UTILIZED FOR:			
		Household Consumption	Sale	Wages in Kind	Other
Addis Ababa	100	76.86	21.93	0.01	1.2
Zone 1	-	-	-	-	-
Wereda 6	-	-	-	-	-
Zone 2	100	77.8	21.9	-	0.3
Wereda 20	100	68.56	31.44	-	-
Wereda 21	-	-	-	-	-
Wereda 23	100	93.34	6.66	-	-
Wereda 24	100	74.75	24.88	-	0.38
Zone 3	100	77.95	21.51	-	0.53
Wereda 17	100	82.92	16.88	-	0.2
Wereda 19	100	74.86	23.11	-	2.03
Wereda 28	100	68.89	30.55	-	0.56
Zone 4	100	96.92	2.43	-	0.64
Wereda 11	100	94.75	5.25	-	-
Wereda 12	100	100	-	-	-
Wereda 15	100	100	-	-	-
Wereda 16	100	96.02	2.87	-	1.11
Zone 5	100	77.64	15.96	-	6.4
Wereda 8	-	-	-	-	-
Wereda 10	100	74.97	25.03	-	-
Wereda 25	100	77.8	15.39	-	6.81
Zone 6	100	71.18	25.65	0.05	3.11
Wereda 26	100	68.69	28.35	-	2.96
Wereda 27	100	74.5	22.07	0.12	3.31

b) Rural Holdings

Geographic Areas	Total (%)	PERCENT OF CHEESE UTILIZED FOR:			
		Household Consumption	Sale	Wages in Kind	Other
Addis Ababa	100	75.66	23.66	-	0.68
Zone 3	100	77.15	22.55	-	0.3
Wereda 17	100	82.72	17.13	-	0.15
Wereda 19	100	67.8	30.49	-	1.7
Wereda 28	100	66.95	32.85	-	0.2
Zone 6	100	69	28.63	-	2.37
Wereda 26	100	66.91	30.29	-	2.79
Wereda 27	100	71.93	26.29	-	1.78

c) Urban Holdings

Geographic Areas	Total (%)	PERCENT OF CHEESE UTILIZED FOR:			
		Household Consumption	Sale	Wages in Kind	Other
Addis Ababa	100	79.51	18.1	0.04	2.36
Zone 1	-	-	-	-	-
Wereda 6	-	-	-	-	-
Zone 2	100	77.8	21.9	-	0.3
Wereda 20	100	68.56	31.44	-	-
Wereda 21	-	-	-	-	-
Wereda 23	100	93.34	6.66	-	-
Wereda 24	100	74.75	24.88	-	0.38
Zone 3	100	85.93	11.22	-	2.85
Wereda 17	100	96.39	-	-	3.61
Wereda 19	100	86.67	10.76	-	2.57
Wereda 28	100	82.37	14.6	-	3.03
Zone 4	100	96.92	2.43	-	0.64
Wereda 11	100	94.75	5.25	-	-
Wereda 12	100	100	-	-	-
Wereda 15	100	100	-	-	-
Wereda 16	100	96.02	2.87	-	1.11
Zone 5	100	77.64	15.96	-	6.4
Wereda 8	-	-	-	-	-
Wereda 10	100	74.97	25.03	-	-
Wereda 25	100	77.8	15.39	-	6.81
Zone 6	100	74.12	21.66	0.12	4.1
Wereda 26	100	71.21	25.59	-	3.21
Wereda 27	100	77.7	16.83	0.27	5.21

TABLE 7-29: LIVESTOCK PRODUCT UTILIZATION - PERCENTAGE OF USES
BY REGION, ZONE, AND WEREDA

a) Both Rural and Urban Holdings

Geographic Areas	Total (%)	PERCENT OF BEEF UTILIZED FOR:			
		Household Consumption	Sale	Wages in Kind	Other
Addis Ababa	100	53.73	38.98	-	7.29
Zone 1	-	-	-	-	-
Wereda 6	-	-	-	-	-
Zone 2	100	68.69	31.31	-	-
Wereda 20	100	74.98	25.02	-	-
Wereda 21	-	-	-	-	-
Wereda 23	-	-	-	-	-
Wereda 24	100	55.01	44.99	-	-
Zone 3	100	61.78	38.22	-	-
Wereda 17	100	75	25	-	-
Wereda 19	100	47.4	52.6	-	-
Wereda 28	100	43.16	56.84	-	-
Zone 4	100	-	100	-	-
Wereda 11	100	-	100	-	-
Wereda 12	-	-	-	-	-
Wereda 15	-	-	-	-	-
Wereda 16	-	-	-	-	-
Zone 5	100	-	73.98	-	26.02
Wereda 8	-	-	-	-	-
Wereda 10	-	-	-	-	-
Wereda 25	100	-	73.98	-	26.02
Zone 6	100	44.15	36.43	-	19.41
Wereda 26	100	24.23	67.76	-	8
Wereda 27	100	62.43	7.69	-	29.88

b) Rural Holdings

Geographic Areas	Total (%)	PERCENT OF BEEF UTILIZED FOR:			
		Household Consumption	Sale	Wages in Kind	Other
Addis Ababa	100	57.77	33.87	-	8.36
Zone 3	100	61.68	38.32	-	-
Wereda 17	100	75	25	-	-
Wereda 19	100	47.7	52.3	-	-
Wereda 28	100	33.87	66.13	-	-
Zone 6	100	48.7	23.55	-	27.75
Wereda 26	100	25.56	59.88	-	14.56
Wereda 27	100	63.7	-	-	36.3

c) Urban Holdings

Geographic Areas	Total (%)	PERCENT OF BEEF UTILIZED FOR:			
		Household Consumption	Sale	Wages in Kind	Other
Addis Ababa	100	42.66	52.96	-	4.38
Zone 1	-	-	-	-	-
Wereda 6	-	-	-	-	-
Zone 2	100	68.69	31.31	-	-
Wereda 20	100	74.98	25.02	-	-
Wereda 21	-	-	-	-	-
Wereda 23	-	-	-	-	-
Wereda 24	100	55.01	44.99	-	-
Zone 3	100	62.48	37.52	-	-
Wereda 17	-	-	-	-	-
Wereda 19	100	47.01	52.99	-	-
Wereda 28	100	100	-	-	-
Zone 4	100	-	100	-	-
Wereda 11	100	-	100	-	-
Wereda 12	-	-	-	-	-
Wereda 15	-	-	-	-	-
Wereda 16	-	-	-	-	-
Zone 5	100	-	73.98	-	26.02
Wereda 8	-	-	-	-	-
Wereda 10	-	-	-	-	-
Wereda 25	100	-	73.98	-	26.02
Zone 6	100	34.98	62.41	-	2.61
Wereda 26	100	22.59	77.41	-	-
Wereda 27	100	58	34.54	-	7.46

TABLE 7-30: LIVESTOCK PRODUCT UTILIZATION - PERCENTAGE OF USES BY REGION, ZONE, AND WEREDA

a) Both Rural and Urban Holdings

Geographic Areas	Total (%)	PERCENT OF GOAT MEAT/ MUTTON UTILIZED FOR:			
		Household Consumption	Sale	Wages in Kind	Other
Addis Ababa	100	87.53	11.64	-	0.83
Zone 1	100	-	100	-	-
Wereda 6	100	-	100	-	-
Zone 2	100	77.39	21.38	-	1.24
Wereda 20	100	69.95	30.05	-	-
Wereda 21	100	36.67	63.33	-	-
Wereda 23	100	100	-	-	-
Wereda 24	100	77.42	20.66	-	1.91
Zone 3	100	91.03	8.92	-	0.05
Wereda 17	100	92.11	7.89	-	-
Wereda 19	100	89.52	10.48	-	-
Wereda 28	100	88.05	11.7	-	0.25
Zone 4	100	84.85	14.63	-	0.52
Wereda 11	100	76.4	22.53	-	1.07
Wereda 12	100	90.78	9.22	-	-
Wereda 15	-	-	-	-	-
Wereda 16	100	100	-	-	-
Zone 5	100	73.47	25.42	-	1.11
Wereda 8	100	72.72	27.28	-	-
Wereda 10	100	87.5	12.5	-	-
Wereda 25	100	65.24	32.84	-	1.92
Zone 6	100	83.15	11.97	-	4.87
Wereda 26	100	94.32	3.28	-	2.4
Wereda 27	100	62.87	27.76	-	9.37

b) Rural Holdings

Geographic Areas	Total (%)	PERCENT OF GOAT MEAT/MUTTON UTILIZED FOR:			
		Household Consumption	Sale	Wages in Kind	Other
Addis Ababa	100	91.22	8.45	-	0.33
Zone 3	100	90.83	9.11	-	0.06
Wereda 17	100	92.12	7.88	-	-
Wereda 19	100	85.37	14.63	-	-
Wereda 28	100	86.88	12.82	-	0.3
Zone 6	100	94.44	2.98	-	2.58
Wereda 26	100	96.98	0.67	-	2.34
Wereda 27	100	86.84	9.87	-	3.29

c) Urban Holdings

Geographic Areas	Total (%)	PERCENT OF GOAT MEAT/MUTTON UTILIZED FOR:			
		Household Consumption	Sale	Wages in Kind	Other
Addis Ababa	100	78.85	19.13	-	2.02
Zone 1	100	-	100	-	-
Wereda 6	100	-	100	-	-
Zone 2	100	77.39	21.38	-	1.24
Wereda 20	100	69.95	30.05	-	-
Wereda 21	100	36.67	63.33	-	-
Wereda 23	100	100	-	-	-
Wereda 24	100	77.42	20.66	-	1.91
Zone 3	100	92.95	7.05	-	-
Wereda 17	100	91.57	8.43	-	-
Wereda 19	100	92.29	7.71	-	-
Wereda 28	100	94.44	5.56	-	-
Zone 4	100	84.85	14.63	-	0.52
Wereda 11	100	76.4	22.53	-	1.07
Wereda 12	100	90.78	9.22	-	-
Wereda 15	-	-	-	-	-
Wereda 16	100	100	-	-	-
Zone 5	100	73.47	25.42	-	1.11
Wereda 8	100	72.72	27.28	-	-
Wereda 10	100	87.5	12.5	-	-
Wereda 25	100	65.24	32.84	-	1.92
Zone 6	100	66.03	25.62	-	8.35
Wereda 26	100	88.12	9.37	-	2.52
Wereda 27	100	45.15	40.99	-	13.86

TABLE 7-31: LIVESTOCK PRODUCT UTILIZATION - PERCENTAGE OF USES BY REGION, ZONE, AND WEREDA

a) Both Rural and Urban Holdings

Geographic Areas	Total (%)	PERCENT OF EGGS UTILIZED FOR:			
		Household Consumption	Sale	Wages in Kind	Other
Addis Ababa	100	54.53	37.87	0.02	7.57
Zone 1	-	-	-	-	-
Wereda 6	-	-	-	-	-
Zone 2	100	53.4	42.22	-	4.38
Wereda 20	100	100	-	-	-
Wereda 21	-	-	-	-	-
Wereda 23	100	83.87	6.6	-	9.52
Wereda 24	100	48.48	47.77	-	3.76
Zone 3	100	53.75	40.38	-	5.87
Wereda 17	100	52.17	45.72	-	2.11
Wereda 19	100	64.43	27.08	-	8.49
Wereda 28	100	52.77	32.62	-	14.61
Zone 4	100	66.02	20.85	-	13.13
Wereda 11	100	86.69	8.12	-	5.19
Wereda 12	100	51.8	31.31	-	16.89
Wereda 15	100	100	-	-	-
Wereda 16	100	72.83	10.93	-	16.25
Zone 5	100	79.29	18.14	-	2.57
Wereda 8	100	93.22	6.43	-	0.35
Wereda 10	100	100	-	-	-
Wereda 25	100	64.95	30.38	-	4.67
Zone 6	100	53.58	33.12	0.1	13.21
Wereda 26	100	47.67	40.84	0.22	11.27
Wereda 27	100	58.23	27.04	-	14.73

b) Rural Holdings

Geographic Areas	Total (%)	PERCENT OF EGGS UTILIZED FOR:			
		Household Consumption	Sale	Wages in Kind	Other
Addis Ababa	100	49.61	41.86	-	8.53
Zone 3	100	50.29	43.62	-	6.09
Wereda 17	100	51.06	46.92	-	2.03
Wereda 19	100	51.8	36.65	-	11.55
Wereda 28	100	47.57	35.65	-	16.78
Zone 6	100	46.85	34.7	-	18.44
Wereda 26	100	36.98	49.89	-	13.13
Wereda 27	100	54.74	22.57	-	22.69

c) Urban Holdings

Geographic Areas	Total (%)	PERCENT OF EGGS UTILIZED FOR:			
		Household Consumption	Sale	Wages in Kind	Other
Addis Ababa	100	66.08	28.52	0.07	5.33
Zone 1	-	-	-	-	-
Wereda 6	-	-	-	-	-
Zone 2	100	53.4	42.22	-	4.38
Wereda 20	100	100	-	-	-
Wereda 21	-	-	-	-	-
Wereda 23	100	83.87	6.6	-	9.52
Wereda 24	100	48.48	47.77	-	3.76
Zone 3	100	81.59	14.3	-	4.1
Wereda 17	100	91.41	3.55	-	5.04
Wereda 19	100	76.44	17.97	-	5.59
Wereda 28	100	85.72	13.4	-	0.87
Zone 4	100	66.02	20.85	-	13.13
Wereda 11	100	86.69	8.12	-	5.19
Wereda 12	100	51.8	31.31	-	16.89
Wereda 15	100	100	-	-	-
Wereda 16	100	72.83	10.93	-	16.25
Zone 5	100	79.29	18.14	-	2.57
Wereda 8	100	93.22	6.43	-	0.35
Wereda 10	100	100	-	-	-
Wereda 25	100	64.95	30.38	-	4.67
Zone 6	100	63.99	30.67	0.25	5.1
Wereda 26	100	64.56	26.53	0.57	8.34
Wereda 27	100	63.55	33.85	-	2.61

TABLE 7-32: LIVESTOCK PRODUCT UTILIZATION - PERCENTAGE OF USES BY REGION, ZONE AND WEREDA

a) Both Rural and Urban Holdings

Geographic Areas	Total (%)	PERCENT OF HONEY UTILIZED FOR:			
		Household Consumption	Sale	Wages in Kind	Other
Addis Ababa	100	82.85	14.82	0.17	2.16
Zone 1	-	-	-	-	-
Wereda 6	-	-	-	-	-
Zone 2	100	65.11	25.95	-	8.93
Wereda 20	-	-	-	-	-
Wereda 21	-	-	-	-	-
Wereda 23	100	74.6	22.71	-	2.69
Wereda 24	100	62.85	26.73	-	10.43
Zone 3	100	89.92	8.53	0.28	1.28
Wereda 17	100	96.82	2.65	-	0.53
Wereda 19	100	78.61	17.95	-	3.44
Wereda 28	100	76.48	20.03	1.03	2.46
Zone 4	100	100	-	-	-
Wereda 11	100	100	-	-	-
Wereda 12	100	100	-	-	-
Wereda 15	-	-	-	-	-
Wereda 16	-	-	-	-	-
Zone 5	100	100	-	-	-
Wereda 8	100	100	-	-	-
Wereda 10	-	-	-	-	-
Wereda 25	-	-	-	-	-
Zone 6	100	70.73	28.15	-	1.12
Wereda 26	100	52.54	45.64	-	1.82
Wereda 27	100	100	-	-	-

b) Rural Holdings

Geographic Areas	Total (%)	PERCENT OF HONEY UTILIZED FOR:			
		Household Consumption	Sale	Wages in Kind	Other
Addis Ababa	100	89.7	10.05	-	0.25
Zone 3	100	93.89	6.04	-	0.07
Wereda 17	100	100	-	-	-
Wereda 19	100	73.73	26.27	-	-
Wereda 28	100	84.6	15.14	-	0.26
Zone 6	100	73.59	25.47	-	0.94
Wereda 26	100	49.18	49.02	-	1.8
Wereda 27	100	100	-	-	-

c) Urban Holdings

Geographic Areas	Total (%)	PERCENT OF HONEY UTILIZED FOR:			
		Household Consumption	Sale	Wages in Kind	Other
Addis Ababa	100	72.05	22.33	0.45	5.18
Zone 1	-	-	-	-	-
Wereda 6	-	-	-	-	-
Zone 2	100	65.11	25.95	-	8.93
Wereda 20	-	-	-	-	-
Wereda 21	-	-	-	-	-
Wereda 23	100	74.6	22.71	-	2.69
Wereda 24	100	62.85	26.73	-	10.43
Zone 3	100	76.61	16.87	1.2	5.32
Wereda 17	100	86.16	11.54	-	2.3
Wereda 19	100	89.15	-	-	10.85
Wereda 28	100	45	38.99	5	11.01
Zone 4	100	100	-	-	-
Wereda 11	100	100	-	-	-
Wereda 12	100	100	-	-	-
Wereda 15	-	-	-	-	-
Wereda 16	-	-	-	-	-
Zone 5	100	100	-	-	-
Wereda 8	100	100	-	-	-
Wereda 10	-	-	-	-	-
Wereda 25	-	-	-	-	-
Zone 6	100	66.9	31.72	-	1.37
Wereda 26	100	55.66	42.5	-	1.84
Wereda 27	100	100	-	-	-

TABLE 7-33: LIVESTOCK PRODUCT UTILIZATION - PERCENTAGE OF USES BY REGION, ZONE, AND WEREDA

a) Both Rural and Urban Holdings

Geographic Areas	Total (%)	PERCENT OF WAX UTILIZED FOR:			
		Household Consumption	Sale	Wages in Kind	Other
Addis Ababa	100	88.53	-	-	11.47
Zone 1	-	-	-	-	-
Wereda 6	-	-	-	-	-
Zone 2	100	-	-	-	100
Wereda 20	-	-	-	-	-
Wereda 21	-	-	-	-	-
Wereda 23	100	-	-	-	100
Wereda 24	-	-	-	-	-
Zone 3	100	95.09	-	-	4.91
Wereda 17	100	94.27	-	-	5.73
Wereda 19	-	-	-	-	-
Wereda 28	100	100	-	-	-
Zone 4	-	-	-	-	-
Wereda 11	-	-	-	-	-
Wereda 12	-	-	-	-	-
Wereda 15	-	-	-	-	-
Wereda 16	-	-	-	-	-
Zone 5	-	-	-	-	-
Wereda 8	-	-	-	-	-
Wereda 10	-	-	-	-	-
Wereda 25	-	-	-	-	-
Zone 6	-	-	-	-	-
Wereda 26	-	-	-	-	-
Wereda 27	-	-	-	-	-

b) Rural Holdings

Geographic Areas	Total (%)	PERCENT OF WAX UTILIZED FOR:			
		Household Consumption	Sale	Wages in Kind	Other
Addis Ababa	100	100	-	-	-
Zone 3	100	100	-	-	-
Wereda 17	100	100	-	-	-
Wereda 19	-	-	-	-	-
Wereda 28	100	100	-	-	-
Zone 6	-	-	-	-	-
Wereda 26	-	-	-	-	-
Wereda 27	-	-	-	-	-

c) Urban Holdings

Geographic Areas	Total (%)	PERCENT OF WAX UTILIZED FOR:			
		Household Consumption	Sale	Wages in Kind	Other
Addis Ababa	100	-	-	-	100
Zone 1	-	-	-	-	-
Wereda 6	-	-	-	-	-
Zone 2	100	-	-	-	100
Wereda 20	-	-	-	-	-
Wereda 21	-	-	-	-	-
Wereda 23	100	-	-	-	100
Wereda 24	-	-	-	-	-
Zone 3	100	-	-	-	100
Wereda 17	100	-	-	-	100
Wereda 19	-	-	-	-	-
Wereda 28	-	-	-	-	-
Zone 4	-	-	-	-	-
Wereda 11	-	-	-	-	-
Wereda 12	-	-	-	-	-
Wereda 15	-	-	-	-	-
Wereda 16	-	-	-	-	-
Zone 5	-	-	-	-	-
Wereda 8	-	-	-	-	-
Wereda 10	-	-	-	-	-
Wereda 25	-	-	-	-	-
Zone 6	-	-	-	-	-
Wereda 26	-	-	-	-	-
Wereda 27	-	-	-	-	-

TABLE 7-34: LIVESTOCK PRODUCT UTILIZATION - PERCENTAGE OF USES BY REGION, ZONE, AND WEREDA

a) Both Rural and Urban Holdings

Geographic Areas	Total (%)	PERCENT OF WOOL UTILIZED FOR:			
		Household Consumption	Sale	Wages in Kind	Other
Addis Ababa	100	-	100	-	-
Zone 1	-	-	-	-	-
Wereda 6	-	-	-	-	-
Zone 2	-	-	-	-	-
Wereda 20	-	-	-	-	-
Wereda 21	-	-	-	-	-
Wereda 23	-	-	-	-	-
Wereda 24	-	-	-	-	-
Zone 3	-	-	-	-	-
Wereda 17	-	-	-	-	-
Wereda 19	-	-	-	-	-
Wereda 28	-	-	-	-	-
Zone 4	100	-	100	-	-
Wereda 11	100	-	100	-	-
Wereda 12	-	-	-	-	-
Wereda 15	-	-	-	-	-
Wereda 16	-	-	-	-	-
Zone 5	-	-	-	-	-
Wereda 8	-	-	-	-	-
Wereda 10	-	-	-	-	-
Wereda 25	-	-	-	-	-
Zone 6	-	-	-	-	-
Wereda 26	-	-	-	-	-
Wereda 27	-	-	-	-	-

b) Rural Holdings

Geographic Areas	Total (%)	PERCENT OF WOOL UTILIZED FOR:			
		Household Consumption	Sale	Wages in Kind	Other
Addis Ababa	-	-	-	-	-
Zone 3	-	-	-	-	-
Wereda 17	-	-	-	-	-
Wereda 19	-	-	-	-	-
Wereda 28	-	-	-	-	-
Zone 6	-	-	-	-	-
Wereda 26	-	-	-	-	-
Wereda 27	-	-	-	-	-

c) Urban Holdings

Geographic Areas	Total (%)	PERCENT OF WOOL UTILIZED FOR:			
		Household Consumption	Sale	Wages in Kind	Other
Addis Ababa	100	-	100	-	-
Zone 1	-	-	-	-	-
Wereda 6	-	-	-	-	-
Zone 2	-	-	-	-	-
Wereda 20	-	-	-	-	-
Wereda 21	-	-	-	-	-
Wereda 23	-	-	-	-	-
Wereda 24	-	-	-	-	-
Zone 3	-	-	-	-	-
Wereda 17	-	-	-	-	-
Wereda 19	-	-	-	-	-
Wereda 28	-	-	-	-	-
Zone 4	100	-	100	-	-
Wereda 11	100	-	100	-	-
Wereda 12	-	-	-	-	-
Wereda 15	-	-	-	-	-
Wereda 16	-	-	-	-	-
Zone 5	-	-	-	-	-
Wereda 8	-	-	-	-	-
Wereda 10	-	-	-	-	-
Wereda 25	-	-	-	-	-
Zone 6	-	-	-	-	-
Wereda 26	-	-	-	-	-
Wereda 27	-	-	-	-	-

TABLE 7-35: LIVESTOCK PRODUCT UTILIZATION - PERCENTAGE OF USES BY REGION, ZONE, AND WEREDA

a) Both Rural and Urban Holdings

Geographic Areas	Total (%)	PERCENT OF HIDES UTILIZED FOR:			
		Household Consumption	Sale	Wages in Kind	Other
Addis Ababa	100	47.7	49.86	-	2.44
Zone 1	-	-	-	-	-
Wereda 6	-	-	-	-	-
Zone 2	100	19.03	71.5	-	9.47
Wereda 20	100	16.68	83.32	-	-
Wereda 21	-	-	-	-	-
Wereda 23	100	-	100	-	-
Wereda 24	100	20.18	68.6	-	11.22
Zone 3	100	67.33	32.66	-	0.02
Wereda 17	100	97.51	2.49	-	-
Wereda 19	100	44.09	55.91	-	-
Wereda 28	100	47.35	52.6	-	0.05
Zone 4	100	20.61	79.39	-	-
Wereda 11	100	14.12	85.88	-	-
Wereda 12	-	-	-	-	-
Wereda 15	100	-	100	-	-
Wereda 16	100	100	-	-	-
Zone 5	100	11.43	82.22	-	6.35
Wereda 8	100	-	54.53	-	45.47
Wereda 10	-	-	-	-	-
Wereda 25	100	13.29	86.71	-	-
Zone 6	100	58.74	41.26	-	-
Wereda 26	100	39.6	60.4	-	-
Wereda 27	100	76.14	23.86	-	-

b) Rural Holdings

Geographic Areas	Total (%)	PERCENT OF HIDES UTILIZED FOR:			
		Household Consumption	Sale	Wages in Kind	Other
Addis Ababa	100	74.43	25.55	-	0.02
Zone 3	100	71.81	28.17	-	0.02
Wereda 17	100	100	-	-	-
Wereda 19	100	45.69	54.31	-	-
Wereda 28	100	48.86	51.08	-	0.06
Zone 6	100	84.6	15.4	-	-
Wereda 26	100	57.36	42.64	-	-
Wereda 27	100	100	-	-	-

c) Urban Holdings

Geographic Areas	Total (%)	PERCENT OF HIDES UTILIZED FOR:			
		Household Consumption	Sale	Wages in Kind	Other
Addis Ababa	100	23.8	71.6	-	4.6
Zone 1	-	-	-	-	-
Wereda 6	-	-	-	-	-
Zone 2	100	19.03	71.5	-	9.47
Wereda 20	100	16.68	83.32	-	-
Wereda 21	-	-	-	-	-
Wereda 23	100	-	100	-	-
Wereda 24	100	20.18	68.6	-	11.22
Zone 3	100	40.79	59.21	-	-
Wereda 17	100	50	50	-	-
Wereda 19	100	40.76	59.24	-	-
Wereda 28	100	35.14	64.86	-	-
Zone 4	100	20.61	79.39	-	-
Wereda 11	100	14.12	85.88	-	-
Wereda 12	-	-	-	-	-
Wereda 15	100	-	100	-	-
Wereda 16	100	100	-	-	-
Zone 5	100	11.43	82.22	-	6.35
Wereda 8	100	-	54.53	-	45.47
Wereda 10	-	-	-	-	-
Wereda 25	100	13.29	86.71	-	-
Zone 6	100	35.58	64.42	-	-
Wereda 26	100	29.69	70.31	-	-
Wereda 27	100	43.69	56.31	-	-

TABLE 7-36: LIVESTOCK PRODUCT UTILIZATION - PERCENTAGE OF USES BY REGION, ZONE, AND WEREDA

a) Both Rural and Urban Holdings

Geographic Areas	Total (%)	PERCENT OF SKIN UTILIZED FOR:			
		Household Consumption	Sale	Wages in Kind	Other
Addis Ababa	100	37.43	62.3	-	0.27
Zone 1	-	-	-	-	-
Wereda 6	-	-	-	-	-
Zone 2	100	25.56	74.44	-	-
Wereda 20	-	-	-	-	-
Wereda 21	-	-	-	-	-
Wereda 23	100	18.28	81.72	-	-
Wereda 24	100	28.45	71.55	-	-
Zone 3	100	39.86	59.73	-	0.4
Wereda 17	100	42.42	56.93	-	0.65
Wereda 19	100	30.47	69.53	-	-
Wereda 28	100	36.71	63.29	-	-
Zone 4	100	36.08	63.92	-	-
Wereda 11	-	-	-	-	-
Wereda 12	100	34.74	65.26	-	-
Wereda 15	-	-	-	-	-
Wereda 16	100	50	50	-	-
Zone 5	100	38.51	61.49	-	-
Wereda 8	100	100	-	-	-
Wereda 10	100	74.95	25.05	-	-
Wereda 25	100	20	80	-	-
Zone 6	100	34.95	65.05	-	-
Wereda 26	100	28.9	71.1	-	-
Wereda 27	100	50.41	49.59	-	-

b) Rural Holdings

Geographic Areas	Total (%)	PERCENT OF SKIN UTILIZED FOR:			
		Household Consumption	Sale	Wages in Kind	Other
Addis Ababa	100	40.37	59.63	-	-
Zone 3	100	41.02	58.98	-	-
Wereda 17	100	43.11	56.89	-	-
Wereda 19	100	34.41	65.59	-	-
Wereda 28	100	36.92	63.08	-	-
Zone 6	100	37.34	62.66	-	-
Wereda 26	100	30.48	69.52	-	-
Wereda 27	100	60.93	39.07	-	-

c) Urban Holdings

Geographic Areas	Total (%)	PERCENT OF SKIN UTILIZED FOR:			
		Household Consumption	Sale	Wages in Kind	Other
Addis Ababa	100	28.73	70.19	-	1.08
Zone 1	-	-	-	-	-
Wereda 6	-	-	-	-	-
Zone 2	100	25.56	74.44	-	-
Wereda 20	-	-	-	-	-
Wereda 21	-	-	-	-	-
Wereda 23	100	18.28	81.72	-	-
Wereda 24	100	28.45	71.55	-	-
Zone 3	100	28.2	67.31	-	4.49
Wereda 17	100	-	59.31	-	40.69
Wereda 19	100	28.32	71.68	-	-
Wereda 28	100	35.27	64.73	-	-
Zone 4	100	36.08	63.92	-	-
Wereda 11	-	-	-	-	-
Wereda 12	100	34.74	65.26	-	-
Wereda 15	-	-	-	-	-
Wereda 16	100	50	50	-	-
Zone 5	100	38.51	61.49	-	-
Wereda 8	100	100	-	-	-
Wereda 10	100	74.95	25.05	-	-
Wereda 25	100	20	80	-	-
Zone 6	100	28.48	71.52	-	-
Wereda 26	100	23.03	76.97	-	-
Wereda 27	100	35.61	64.39	-	-

Annex Tables 7.1 - 7.10

**ESTIMATES, STANDARD ERRORS, AND COEFFICIENT OF
VARIATIONS FOR SELECTED LIVESTOCK VARIABLES
RURAL+ URBAN**

Annex Table 7.1- Estimates of Livestock, Standard Error and Coefficient of Variation by Type, Zone, and Wereda

GEOGRAPHIC AREA	CATTLE			SHEEP			GOATS		
	Number	SE	CV	Number	SE	CV	Number	SE	CV
Addis Ababa	97,215	19,625	20	29,682	2,640	9	18,861	9,856	52
Zone 1	325	-	-	31	-	-	-	-	-
Wereda 6	325	-	-	31	-	-	-	-	-
Zone 2	11,258	845	8	6,383	746	12	852	137	16
Wereda 20	512	70	14	220	58	26	17	14	87
Wereda 21	8	-	-	264	-	-	-	-	-
Wereda 23	2,239	304	14	652	218	33	84	46	54
Wereda 24	8,499	785	9	5,248	711	14	752	128	17
Zone 3	64,470	19,565	30	12,335	2,398	19	15,481	9,839	64
Wereda 17	42,694	19,488	46	4,472	2,219	50	11,863	9,811	83
Wereda 19	6,964	603	9	1,861	269	14	965	145	15
Wereda 28	14,813	1,623	11	6,002	870	14	2,654	723	27
Zone 4	3,057	382	12	2,416	449	19	458	169	37
Wereda 11	468	277	59	969	327	34	15	16	105
Wereda 12	1,440	258	18	1,048	190	18	307	160	52
Wereda 15	237	-	-	29	-	-	15	-	-
Wereda 16	911	49	5	370	243	66	122	51	42
Zone 5	2,701	498	18	1,374	192	14	467	270	58
Wereda 8	860	212	25	209	94	45	179	147	82
Wereda 10	228	-	-	243	-	-	59	-	-
Wereda 25	1,614	450	28	922	167	18	229	226	99
Zone 6	15,403	1,115	7	7,143	649	9	1,602	455	28
Wereda 26	9,338	680	7	4,191	465	11	870	234	27
Wereda 27	6,065	883	15	2,952	453	15	732	390	53

Cont'd

GEOGRAPHIC AREA	HORSES			ASSES			MULES			CAMELS		
	Number	SE	CV	Number	SE	CV	Number	SE	CV	Number	SE	CV
Addis Ababa	2,135	794	37	19,623	4,507	23	809	397	49	-	-	-
Zone 2	161	38	24	2,518	325	13	-	-	-	-	-	-
Wereda 20	25	22	87	33	28	84	-	-	-	-	-	-
Wereda 23	-	-	-	242	130	54	-	-	-	-	-	-
Wereda 24	136	32	23	2,243	296	13	-	-	-	-	-	-
Zone 3	1,663	791	48	12,858	4,478	35	658	395	60	-	-	-
Wereda 17	1,343	788	59	9,066	4,468	49	577	394	68	-	-	-
Wereda 19	44	16	35	1,279	125	10	31	14	44	-	-	-
Wereda 28	276	70	25	2,513	279	11	50	28	57	-	-	-
Zone 4	37	15	40	379	65	17	-	-	-	-	-	-
Wereda 11	-	-	-	71	46	65	-	-	-	-	-	-
Wereda 12	16	12	78	143	42	29	-	-	-	-	-	-
Wereda 16	21	8	38	165	18	11	-	-	-	-	-	-
Zone 5	14	14	101	167	78	47	-	-	-	-	-	-
Wereda 8	14	14	101	66	64	96	-	-	-	-	-	-
Wereda 25	-	-	-	101	46	45	-	-	-	-	-	-
Zone 6	261	47	18	3,701	378	10	150	37	24	-	-	-
Wereda 26	194	38	20	2,264	235	10	118	31	26	-	-	-
Wereda 27	67	28	42	1,437	297	21	33	20	62	-	-	-

Annex Table 7.2- Estimates of Cattle, Standard Error and Coefficient of Variation by Age group, Zone, and Wereda
Male Cattle

GEOGRAPHIC AREA	<6MONTHS			6MONTHS -<1YEAR			1-<3YEARS			3-<10YEARS			10YAERS & OLDER		
	Number	SE	CV	Number	SE	CV	Number	SE	CV	Number	SE	CV	Number	SE	CV
Addis Ababa	3,670	352	10	3,027	515	17	5,085	1,020	20	31,574	9,422	30	4,372	1,536	35
Zone 2	665	87	13	546	69	13	607	73	12	2,102	267	13	116	33	28
Wereda 20	11	10	90	34	30	87	11	10	90	33	28	85	-	-	-
Wereda 23	212	64	30	133	39	30	76	18	23	96	77	81	-	-	-
Wereda 24	442	57	13	379	49	13	520	70	13	1,973	254	13	116	33	28
Zone 3	1,794	320	18	1,728	503	29	3,306	1,007	30	24,184	9,409	39	3,609	1,532	42
Wereda 17	926	308	33	1,017	494	49	2,178	999	46	18,119	9,390	52	2,887	1,526	53
Wereda 19	325	50	15	227	43	19	432	70	16	1,510	170	11	354	66	19
Wereda 28	543	70	13	484	83	17	696	103	15	4,555	575	13	368	113	31
Zone 4	228	44	19	194	36	18	118	36	30	139	39	28	-	-	-
Wereda 11	17	11	64	40	23	59	23	21	95	50	34	68	-	-	-
Wereda 12	119	41	35	108	26	24	54	17	31	22	12	56	-	-	-
Wereda 15	19	-	-	10	-	-	5	-	-	5	-	-	-	-	-
Wereda 16	73	12	17	36	9	24	37	23	63	62	13	21	-	-	-
Zone 5	229	43	19	152	44	29	162	65	40	103	30	29	7	7	100
Wereda 8	62	21	34	63	34	54	62	21	34	47	22	47	-	-	-
Wereda 10	25	-	-	5	-	-	-	-	-	5	-	-	-	-	-
Wereda 25	142	38	27	83	28	33	100	61	61	52	20	38	7	7	100
Zone 6	754	102	14	407	64	16	891	128	14	5,046	410	8	641	106	17
Wereda 26	415	58	14	239	37	15	556	72	13	3,602	301	8	487	82	17
Wereda 27	339	84	25	169	52	31	335	106	32	1,444	278	19	155	67	44

Female Cattle

GEOGRAPHIC AREA	<6MONTHS			6MONTHS -<1YEAR			1-<3YEARS			3-<10YAERS			10YAERS & OLDER		
	Number	SE	CV	Number	SE	CV	Number	SE	CV	Number	SE	CV	Number	SE	CV
Addis Ababa	4,624	575	12	4,127	685	17	8,419	1,684	20	30,878	4,322	14	1,438	301	21
Zone 1	46	-	-	46	-	-	62	-	-	170	-	-	-	-	-
Wereda 6	46	-	-	46	-	-	62	-	-	170	-	-	-	-	-
Zone 2	661	79	12	604	86	14	1,124	119	11	4,724	343	7	110	35	32
Wereda 20	42	10	25	61	32	53	58	21	36	260	32	12	-	-	-
Wereda 21	-	-	-	-	-	-	8	-	-	-	-	-	-	-	-
Wereda 23	161	26	16	161	52	33	273	68	25	1,125	116	10	5	5	101
Wereda 24	459	74	16	382	60	16	785	95	12	3,339	321	10	105	35	33
Zone 3	2,717	559	21	2,416	670	28	5,207	1,672	32	18,436	4,279	23	1,075	295	27
Wereda 17	1,406	541	38	1,380	655	47	3,361	1,655	49	10,811	4,227	39	609	244	40
Wereda 19	477	91	19	368	64	17	637	82	13	2,409	272	11	223	51	23
Wereda 28	833	107	13	668	129	19	1,208	222	18	5,215	604	12	242	157	65
Zone 4	285	35	12	186	36	19	383	88	23	1,485	188	13	38	20	54
Wereda 11	29	24	83	25	17	69	61	34	55	212	122	57	11	11	99
Wereda 12	115	23	20	95	21	22	227	73	32	695	130	19	4	4	104
Wereda 15	53	-	-	15	-	-	19	-	-	106	-	-	5	-	-
Wereda 16	88	10	11	51	24	48	76	36	47	471	62	13	17	17	96
Zone 5	213	62	29	203	67	33	315	61	19	1,250	237	19	68	17	25
Wereda 8	59	12	20	85	32	37	87	37	42	341	119	35	54	14	27
Wereda 10	30	-	-	20	-	-	40	-	-	99	-	-	5	-	-
Wereda 25	124	60	49	98	59	60	189	49	26	810	206	25	9	9	104
Zone 6	702	83	12	672	81	12	1,328	121	9	4,813	404	8	148	38	26
Wereda 26	308	52	17	354	57	16	684	74	11	2,640	229	9	54	23	42
Wereda 27	394	64	16	318	57	18	644	95	15	2,173	332	15	94	31	33

Annex Table 7.3- Estimates of Sheep, Standard Error and Coefficient of Variation by Age group, Zone, and Wereda
Male Sheep

GEOGRAPHIC AREA	<6MONTHS			6MONTHS - <1YEAR			1- < 2YEARS			2 YEARS & OLDER		
	Number	SE	CV	Number	SE	CV	Number	SE	CV	Number	SE	CV
Addis Ababa	4,243	468	11	1,697	161	10	1,302	145	11	2,145	585	27
Zone 2	822	95	12	541	95	18	241	46	19	271	55	20
Wereda 20	34	29	84	20	8	40	-	-	-	8	7	87
Wereda 21	50	-	-	25	-	-	17	-	-	-	-	-
Wereda 23	84	30	36	64	28	45	35	18	52	18	12	67
Wereda 24	655	86	13	433	91	21	189	42	22	244	53	22
Zone 3	1,692	428	25	573	114	20	499	102	20	1,258	571	45
Wereda 17	714	398	56	171	88	51	109	65	60	723	565	78
Wereda 19	263	52	20	82	26	31	95	24	26	94	23	24
Wereda 28	716	150	21	320	69	22	295	74	25	440	82	19
Zone 4	328	67	21	69	25	36	78	24	30	189	76	40
Wereda 11	107	31	29	22	17	77	25	18	73	107	68	63
Wereda 12	148	24	16	34	13	38	36	12	34	58	30	52
Wereda 15	5	-	-	-	-	-	-	-	-	5	-	-
Wereda 16	68	55	80	13	12	95	17	9	52	19	18	95
Zone 5	243	27	11	53	10	19	97	41	42	110	46	42
Wereda 8	44	13	30	22	8	36	15	4	27	-	-	-
Wereda 10	54	-	-	25	-	-	10	-	-	-	-	-
Wereda 25	144	24	17	7	7	100	72	40	57	110	46	42
Zone 6	1,158	147	13	461	56	12	388	80	21	317	66	21
Wereda 26	683	98	14	290	37	13	192	39	20	188	40	21
Wereda 27	475	109	23	170	42	25	195	69	35	129	53	41

Female Sheep

GEOGRAPHIC AREA	<6MONTHS			6MONTHS - <1YEAR			1- < 2YEARS			2 YEARS & OLDER		
	Number	SE	CV	Number	SE	CV	Number	SE	CV	Number	SE	CV
Addis Ababa	4,034	383	10	2,090	236	11	2,249	202	9	11,923	1,167	10
Zone 1	15	-	-	15	-	-	-	-	-	-	-	-
Wereda 6	15	-	-	15	-	-	-	-	-	-	-	-
Zone 2	954	132	14	269	55	20	461	68	15	2,824	380	13
Wereda 20	53	13	24	-	-	-	20	6	31	84	23	28
Wereda 21	25	-	-	8	-	-	25	-	-	116	-	-
Wereda 23	103	47	46	37	16	44	42	34	80	269	83	31
Wereda 24	773	122	16	224	52	23	375	59	16	2,355	370	16
Zone 3	1,482	318	21	930	192	21	921	164	18	4,981	1,044	21
Wereda 17	382	248	65	288	143	50	260	110	42	1,826	979	54
Wereda 19	252	58	23	187	40	22	143	40	28	747	139	19
Wereda 28	849	190	22	456	122	27	518	114	22	2,408	336	14
Zone 4	386	70	18	179	54	30	119	41	35	1,068	218	20
Wereda 11	132	36	27	82	47	57	63	33	53	430	169	39
Wereda 12	183	40	22	91	28	30	50	24	48	448	97	22
Wereda 15	5	-	-	-	-	-	-	-	-	15	-	-
Wereda 16	66	45	68	6	6	100	6	6	100	175	97	55
Zone 5	219	72	33	88	23	27	68	24	35	496	72	14
Wereda 8	50	32	66	23	11	47	21	20	98	34	33	96
Wereda 10	30	-	-	15	-	-	30	-	-	79	-	-
Wereda 25	140	64	46	50	21	42	18	13	73	382	64	17
Zone 6	977	136	14	608	111	18	679	85	13	2,555	276	11
Wereda 26	506	82	16	361	83	23	338	59	17	1,633	223	14
Wereda 27	470	109	23	248	74	30	342	61	18	922	162	18

Annex Table 7.4- Estimates of Goats, Standard Error and Coefficient of Variation by Age group, Zone, and
Wereda
Male Goats

GEOGRAPHIC AREA	<6MONTHS			6MONTHS - <1YEAR			1- <2YEARS			2 YEARS & OLDER		
	Number	SE	CV	Number	SE	CV	Number	SE	CV	Number	SE	CV
Addis Ababa	2,122	752	35	2,168	1,630	75	922	631	68	1,296	635	49
Zone 2	136	30	22	40	14	35	4	3	88	57	25	44
Wereda 23	17	14	79	9	9	105	-	-	-	-	-	-
Wereda 24	119	27	23	31	10	33	4	3	88	57	25	44
Zone 3	1,512	741	49	1,948	1,629	84	887	631	71	1,093	633	58
Wereda 17	992	732	74	1,742	1,628	93	675	626	93	725	620	86
Wereda 19	146	36	24	89	25	28	58	21	37	88	35	40
Wereda 28	373	113	30	117	43	37	154	75	48	281	123	44
Zone 4	73	26	36	21	14	67	-	-	-	17	10	56
Wereda 11	8	8	105	-	-	-	-	-	-	4	4	105
Wereda 12	46	24	53	8	5	68	-	-	-	13	9	65
Wereda 15	5	-	-	-	-	-	-	-	-	-	-	-
Wereda 16	15	6	40	13	13	100	-	-	-	-	-	-
Zone 5	82	51	62	42	25	60	7	7	101	29	21	71
Wereda 8	41	40	98	7	7	101	7	7	101	17	16	100
Wereda 10	10	-	-	10	-	-	-	-	-	-	-	-
Wereda 25	31	31	100	25	24	96	-	-	-	12	12	100
Zone 6	319	108	34	118	47	39	24	17	73	100	38	38
Wereda 26	149	42	28	79	33	41	24	17	73	89	36	40
Wereda 27	170	100	59	39	33	86	-	-	-	12	12	104

Female Goats

GEOGRAPHIC AREA	<6MONTHS			6MONTHS - <1YEAR			1-<2YEARS			2 YEARS & OLDER		
	Number	SE	CV	Number	SE	CV	Number	SE	CV	Number	SE	CV
Addis Ababa	1,670	501	30	2,429	1,629	67	1,613	741	46	6,641	3,449	52
Zone 2	135	30	22	61	17	28	77	22	29	342	64	19
Wereda 20	-	-	-	-	-	-	-	-	-	17	14	87
Wereda 23	18	13	71	-	-	-	9	6	67	30	22	72
Wereda 24	117	27	23	61	17	28	68	21	32	296	58	20
Zone 3	1,189	489	41	2,091	1,625	78	1,307	735	56	5,454	3,443	63
Wereda 17	760	482	63	1,754	1,622	92	1,059	732	69	4,156	3,431	83
Wereda 19	98	25	26	93	28	31	92	29	31	301	54	18
Wereda 28	331	84	25	244	94	39	156	56	36	998	276	28
Zone 4	31	12	41	58	60	103	31	23	73	229	85	37
Wereda 11	-	-	-	-	-	-	-	-	-	4	4	105
Wereda 12	21	12	54	58	60	103	12	12	103	149	80	54
Wereda 15	5	-	-	-	-	-	-	-	-	5	-	-
Wereda 16	4	5	106	-	-	-	19	19	100	71	28	39
Zone 5	29	10	35	94	64	68	5	-	-	180	129	72
Wereda 8	8	8	100	58	56	97	-	-	-	41	41	100
Wereda 10	15	-	-	5	-	-	5	-	-	15	-	-
Wereda 25	6	6	100	31	31	100	-	-	-	124	122	99
Zone 6	286	103	36	126	66	53	193	95	49	436	109	25
Wereda 26	139	43	31	70	37	53	39	21	54	281	76	27
Wereda 27	147	94	64	56	55	99	154	93	60	155	78	50

Annex Table 7.5- Estimates of Horses, Standard Error and Coefficient of Variation by Age group, Zone, and Wereda

GEOGRAPHIC AREA	MALE						FEMALE					
	<3YEARS			3YEARS & OLDER			<3YEARS			3YEARS & OLDER		
	Number	SE	CV	Number	SE	CV	Number	SE	CV	Number	SE	CV
Addis Ababa	187	163	87	1,905	674	35	4	5	125	40	23	59
Zone 2	4	3	88	157	38	24	-	-	-	-	-	-
Wereda 20	-	-	-	25	22	87	-	-	-	-	-	-
Wereda 24	4	3	88	132	31	23	-	-	-	-	-	-
Zone 3	175	163	93	1,456	672	46	4	5	125	28	20	72
Wereda 17	164	163	99	1,179	669	57	-	-	-	-	-	-
Wereda 19	-	-	-	44	16	35	-	-	-	-	-	-
Wereda 28	12	11	92	233	62	27	4	5	125	28	20	72
Zone 4	-	-	-	25	9	36	-	-	-	12	12	103
Wereda 12	-	-	-	4	4	99	-	-	-	12	12	103
Wereda 16	-	-	-	21	8	38	-	-	-	-	-	-
Zone 5	-	-	-	14	14	101	-	-	-	-	-	-
Wereda 8	-	-	-	14	14	101	-	-	-	-	-	-
Zone 6	8	8	100	252	47	18	-	-	-	-	-	-
Wereda 26	8	8	100	185	37	20	-	-	-	-	-	-
Wereda 27	-	-	-	67	28	42	-	-	-	-	-	-

Annex Table 7.6- Estimates of Asses, Standard Error and Coefficient of Variation by Age group, Zone, and Wereda

GEOGRAPHIC AREA	MALE						FEMALE					
	<3YEARS			3YEARS & OLDER			<3YEARS			3YEARS & OLDER		
	Number	SE	CV	Number	SE	CV	Number	SE	CV	Number	SE	CV
Addis Ababa	649	122	19	16,540	4,489	27	602	77	13	1,832	213	12
Zone 2	22	11	50	2,403	315	13	-	-	-	93	30	32
Wereda 20	-	-	-	33	28	84	-	-	-	-	-	-
Wereda 23	8	7	96	229	126	55	-	-	-	5	5	100
Wereda 24	15	9	58	2,141	287	13	-	-	-	88	29	33
Zone 3	235	89	38	12,161	4,475	37	107	37	35	355	101	28
Wereda 17	111	82	73	8,693	4,465	51	39	30	75	223	93	42
Wereda 19	69	21	31	1,010	104	10	67	23	34	132	39	30
Wereda 28	55	29	52	2,458	276	11	-	-	-	-	-	-
Zone 4	15	11	70	316	65	20	23	19	81	26	8	30
Wereda 11	8	7	98	64	40	63	-	-	-	-	-	-
Wereda 12	8	7	100	127	44	35	4	4	100	4	4	104
Wereda 16	-	-	-	125	24	19	19	18	95	21	6	29
Zone 5	17	16	97	117	48	41	17	16	100	17	16	97
Wereda 8	17	16	97	17	16	97	17	16	100	17	16	97
Wereda 25	-	-	-	101	46	45	-	-	-	-	-	-
Zone 6	360	80	22	1,543	133	9	456	63	14	1,342	184	14
Wereda 26	161	38	24	1,236	115	9	204	42	20	662	99	15
Wereda 27	199	70	35	307	66	22	251	47	19	680	155	23

Annex Table 7.7- Estimates of Mules, Standard Error and Coefficient of Variation by Age group, Zone, and Wereda

GEOGRAPHIC AREA	MALE						FEMALE					
	<3YEARS			3YEARS & OLDER			<3YEARS			3YEARS & OLDER		
	Number	SE	CV	Number	SE	CV	Number	SE	CV	Number	SE	CV
Addis Ababa	28	18	65	640	399	62	-	-	-	141	129	91
Zone 3	20	16	82	502	397	79	-	-	-	136	128	94
Wereda 17	-	-	-	449	397	88	-	-	-	128	128	100
Wereda 19	5	5	100	27	13	49	-	-	-	-	-	-
Wereda 28	15	16	102	26	16	60	-	-	-	8	10	125
Zone 6	8	8	100	137	34	25	-	-	-	5	5	100
Wereda 26	8	8	100	105	27	26	-	-	-	5	5	100
Wereda 27	-	-	-	33	20	62	-	-	-	-	-	-

Annex Table 7.8 - Estimates of Poultry, Standard Error and Coefficient of Variation By Type, Zone, and Wereda

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
Addis Ababa	100,163	18,646	19	11,731	2,816	24	5,778	688	12	7,764	740	10	4,994	658	13	30,245	6,678	22	39,652	9,375	24
Zone 2	10,621	1,100	10	1,413	161	11	610	115	19	975	195	20	682	146	21	3,187	466	15	3,752	395	11
Wereda 20	278	126	45	-	-	-	17	17	100	43	26	61	23	19	85	137	89	65	58	25	42
Wereda 23	1,218	407	33	134	49	37	5	5	101	210	125	59	155	76	49	393	169	43	322	118	37
Wereda 24	9,125	1,014	11	1,280	153	12	588	114	19	723	148	20	504	124	25	2,658	425	16	3,372	376	11
Zone 3	62,151	18,430	30	7,743	2,789	36	3,284	626	19	3,153	501	16	2,672	588	22	18,728	6,610	35	26,570	9,314	35
Wereda 17	38,211	18,306	48	5,043	2,776	55	1,295	481	37	674	274	41	1,289	540	42	11,631	6,551	56	18,280	9,285	51
Wereda 19	9,296	1,212	13	1,062	141	13	928	315	34	1,145	298	26	805	200	25	2,619	403	15	2,737	272	10
Wereda 28	14,644	1,752	12	1,638	223	14	1,062	248	23	1,335	295	22	579	115	20	4,478	787	18	5,552	680	12
Zone 4	3,024	496	16	438	93	21	109	39	36	389	129	33	196	84	43	939	170	18	954	197	21
Wereda 11	728	317	44	154	71	46	15	15	98	112	89	80	60	43	71	109	79	73	277	120	43
Wereda 12	1,594	356	22	170	50	29	70	33	47	271	93	34	33	17	50	603	143	24	447	154	34
Wereda 15	24	-	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19	-	-
Wereda 16	678	137	20	109	33	30	23	15	63	6	6	100	102	70	69	227	46	20	210	24	12
Zone 5	2,450	705	29	236	82	35	262	121	46	565	215	38	227	105	46	616	267	43	544	148	27
Wereda 8	688	649	94	41	39	95	110	105	95	179	170	95	14	13	97	200	190	95	144	136	94
Wereda 10	183	-	-	35	-	-	5	-	-	30	-	-	5	-	-	25	-	-	84	-	-
Wereda 25	1,579	276	17	160	72	45	147	60	41	357	131	37	208	104	50	392	188	48	315	56	18
Zone 6	21,917	2,462	11	1,900	335	18	1,513	226	15	2,681	443	17	1,216	219	18	6,774	761	11	7,833	956	12
Wereda 26	10,258	1,179	12	814	127	16	795	159	20	1,354	236	17	505	86	17	3,034	475	16	3,756	457	12
Wereda 27	11,660	2,161	19	1,086	310	29	718	161	22	1,327	375	28	711	201	28	3,740	595	16	4,077	840	21

Annex Table 7.9- Estimates of Beehives, Standard Error and Coefficient of variation by Type, Zone, and Wereda

GEOGRAPHIC AREA	ALL BEEHIVES			TRADITIONAL			INTERMEDIATE			MODERN		
	Number	SE	CV	Number	SE	CV	Number	SE	CV	Number	SE	CV
Addis Ababa	4,231	756	18	670	139	21	3,543	743	21	18	12	68
Zone 2	1,336	393	29	-	-	-	1,336	393	29	-	-	-
Wereda 23	297	207	70	-	-	-	297	207	70	-	-	-
Wereda 24	1,039	334	32	-	-	-	1,039	334	32	-	-	-
Zone 3	1,167	479	41	420	117	28	738	464	63	10	9	93
Wereda 17	711	461	65	115	81	71	597	454	76	-	-	-
Wereda 19	246	114	47	105	57	54	141	99	71	-	-	-
Wereda 28	210	64	31	200	62	31	-	-	-	10	9	93
Zone 4	141	82	58	-	-	-	141	82	58	-	-	-
Wereda 11	62	62	100	-	-	-	62	62	100	-	-	-
Wereda 12	79	53	68	-	-	-	79	53	68	-	-	-
Zone 5	200	152	76	-	-	-	200	152	76	-	-	-
Wereda 8	138	139	101	-	-	-	138	139	101	-	-	-
Wereda 25	62	62	100	-	-	-	62	62	100	-	-	-
Zone 6	1,387	397	29	250	75	30	1,129	390	35	8	8	100
Wereda 26	1,027	363	35	159	66	41	860	357	41	8	8	100
Wereda 27	360	161	45	91	36	39	268	157	58	-	-	-