

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 by-products in the form of meat, milk, honey, eggs, cheese, and butter supply the needed animal protein that contribute to the improvement of the nutritional status of the people. Livestock also plays an important role in providing export commodities, such as live animals, hides, and skins to earn foreign exchanges to the country. On the other hand, draught animals provide power for the cultivation of the 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. By 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 beehives were made based on the information obtained from the holders within the sampled agricultural households both in rural and urban areas 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 country as well as brief discussions made on the results are presented in this chapter. Also the census results at zonal and wereda levels are presented in statistical Tables 7.1–7.36. Moreover, the estimates, standard errors (SE), and coefficients of variation (CV) are given in Annex Tables 7.1-7.10 for some relevant variables.

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

This 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 at country level was covered both rural and urban areas of the country on sample basis. Commercial farms that are found in the country 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 country. 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 at country level are presented in Summary Table VII.1. As shown on the table, the total cattle population for the country is estimated to be 41,527,142. Out of this total cattle population, the female cattle constitute about 56.2 percent (23,336,163) and the remaining 43.8 percent (18,190,980) are male cattle. The majority (97.9 percent) of the cattle population is found in rural areas, while very small proportion is accounted for urban areas (2.1 percent).

Regarding age groups, the majority of the cattle population (that is about 59.8 percent) is in the 3 years and under 10 years age category, with about 34.7 percent female and about 25.1 percent male. Moreover, about 36 percent are under three years and small portion, which is 4.2 percent, is over 10 years (also see Fig VII.1).

On the other hand, according to the results obtained, 99.4 percent of the total cattle in the country are local breeds and the remaining are hybrid and exotic breeds that accounted for about 0.5 percent and 0.1 percent, respectively.

The distribution of cattle by purpose is indicated in the same table. Among cattle aged 3 years and under 10 years, those used for draught purposes accounted for 38.3 percent and the percentage share of beef cattle is the lowest that is about one percent.

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

Age, Breed, and Purpose	Cattle on Both Rural and Urban Holdings						Cattle on Rural Holdings						Cattle on Urban Holdings					
	Total		Male		Female		Total		Male		Female		Total		Male		Female	
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
Total	41,527,142	100.0	18,190,980	43.8	23,336,163	56.2	40,638,801	97.9	17,869,756	43.0	22,769,046	54.8	888,341	2.1	321,224	0.8	567,117	1.4
Under 6 months	4,762,312	11.5	2,290,851	5.5	2,471,461	6.0	4,636,477	11.2	2,229,034	5.4	2,407,443	5.8	125,835	0.3	61,817	0.1	64,018	0.2
6 months - under 1 year	3,791,021	9.1	1,796,871	4.3	1,994,150	4.8	3,696,682	8.9	1,752,186	4.2	1,944,496	4.7	94,339	0.2	44,685	0.1	49,654	0.1
1 year – under 3 years	6,409,195	15.4	2,845,073	6.9	3,564,122	8.6	6,270,902	15.1	2,786,677	6.7	3,484,224	8.4	138,293	0.3	58,396	0.1	79,898	0.2
3 years – under 10 years	24,818,995	59.8	10,411,091	25.1	14,407,904	34.7	24,311,830	58.5	10,262,454	24.7	14,049,376	33.8	507,165	1.2	148,637	0.4	358,528	0.9
10 years and older	1,745,619	4.2	847,094	2.0	898,525	2.2	1,722,911	4.1	839,405	2.0	883,506	2.1	22,708	0.1	7,689	0.0	15,019	0.0
Cattle by Breed																		
Total	41,527,142	100.0	18,190,980	43.8	23,336,163	56.2	40,638,801	97.9	17,869,756	42.9	22,769,046	54.8	888,341	2.1	321,224	0.8	567,117	1.4
Indigenous	41,281,496	99.4	18,104,951	43.6	23,176,545	55.8	40,448,721	97.4	17,795,873	0.2	22,652,848	54.5	832,775	2.0	309,078	0.7	523,697	1.3
Hybrid	189,555	0.5	71,502	0.2	118,054	0.3	176,526	0.4	69,148	0.0	107,378	0.3	13,029	0.0	2,354	0.0	10,676	0.0
Exotic	56,091	0.1	14,527	0.0	41,564	0.1	13,554	0.0	4,735	43.0	8,819	0.0	42,537	0.1	9,792	0.0	32,745	0.1
Aged 3 – 10 Years by Purpose																		
Total	24,818,995	100.0	10,411,091	41.9	14,407,904	58.1	24,311,830	98.0	10,262,454	41.3	14,049,376	56.6	507,165	2.0	148,637	0.6	358,528	1.4
Used for Milk	8,310,427	33.5			8,310,427	33.5	8,066,601	32.5			8,066,601	32.5	243,826	1.0			243,826	1.0
Used for Draught	9,502,680	38.3	9,322,045	37.6	180,635	0.7	9,378,659	37.8	9,199,795	37.1	178,864	0.7	124,021	0.5	122,250	0.5	1,771	0.0
Used for Beef	322,710	1.3	248,456	1.0	74,254	0.3	309,909	1.2	238,192	1.0	71,717	0.3	12,801	0.1	10,264	0.0	2,537	0.0
Used for Breeding	5,823,437	23.5	606,618	2.4	5,216,820	21.0	5,716,998	23.0	596,796	2.4	5,120,202	20.6	106,439	0.4	9,822	0.0	96,618	0.4
Used for Other	859,741	3.5	233,972	0.9	625,769	2.5	839,663	3.4	227,671	0.9	611,992	2.5	20,078	0.1	6,301	0.0	13,777	0.1
Dairy Animals																		
Dairy Cows	8,310,427	100.0			8,310,427	100.0	8,066,601	97.1			8,066,601	97.1	243,826	2.9			243,826	2.9
Milking Cows	9,307,582	100.0			9,307,582	100.0	9,048,567	97.2			9,048,567	97.2	259,015	2.8			259,015	2.8

FIGURE VII.1 DISTRIBUTION OF CATTLE BY AGE AND SEX

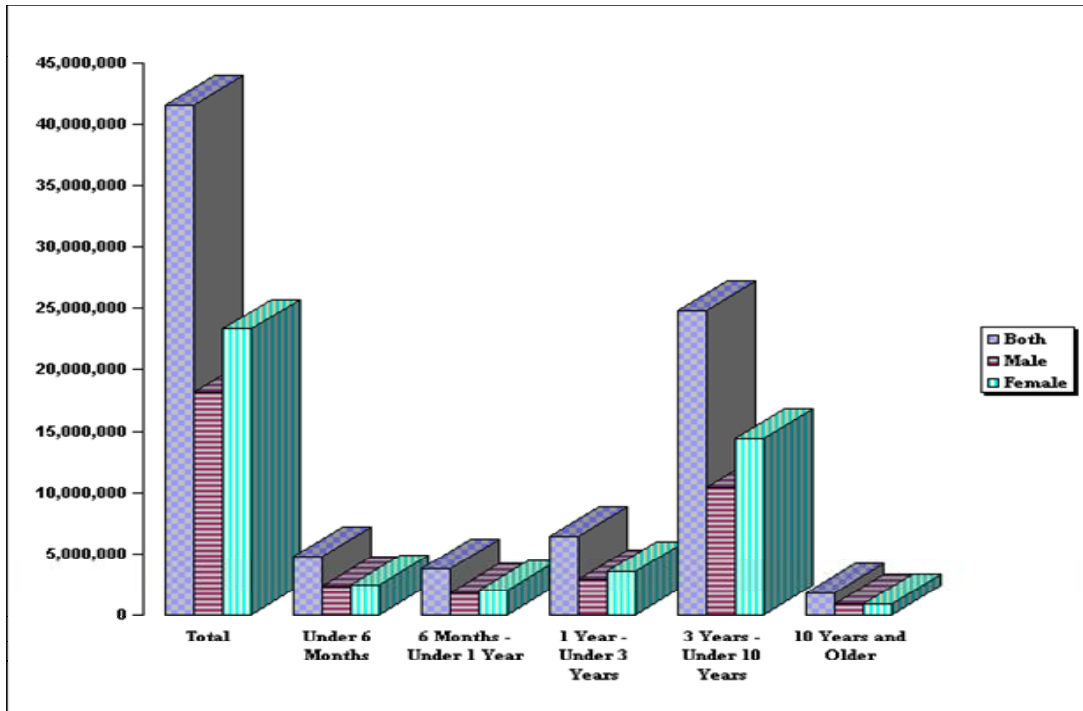
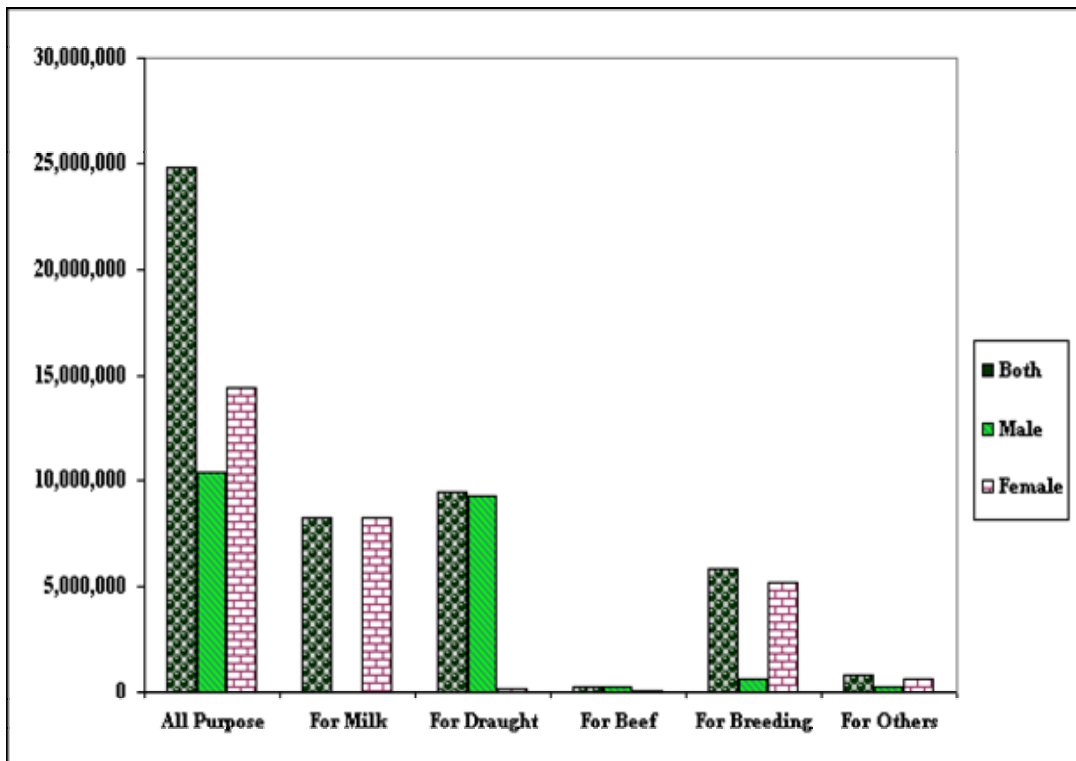


FIGURE VII.2 DISTRIBUTION OF CATTLE AGED 3 AND UNDER 10 YEARS BY PURPOSE, AND SEX



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-cows¹ is estimated to be about 8,310,427 and milking-cows² are about 9,307,582.

As to regional level cattle distribution, Oromia Region took the major share, compared with the other regions in the country, that is 43.43 percent. Amhara and S.N.N.P. also contributed significant portions, 25.32 percent, and 21.27 percent in that order (See Figure VII.9). The rest lies between 0.05 percent and 6.5 percent. Moreover, cattle population by sex, age, breed, and purpose are estimated for each region 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 14,655,565 sheep are estimated to be found in the country, out of which about 73.4 percent are females, and about 26.6 percent are males. Moreover, according to the census result, the number of goats reported in the country is estimated to be about 13,661,562. Out of these total goats, 68.8 percent are females and 31.2 percent are males (See Summary Table VII.2 and Fig. VII.3).

Among these totals reported in the country, 97.7 percent of the sheep and 98.6 percent of the goats are found in the rural areas. Urban areas accounted for only 2.3 percent and 1.4 percent of the sheep and goats, respectively.

Pertaining to the age distribution of both the sheep and the goats, the largest portions are in the age group of two years and older (49.5 percent and about 46.7 percent, in that

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

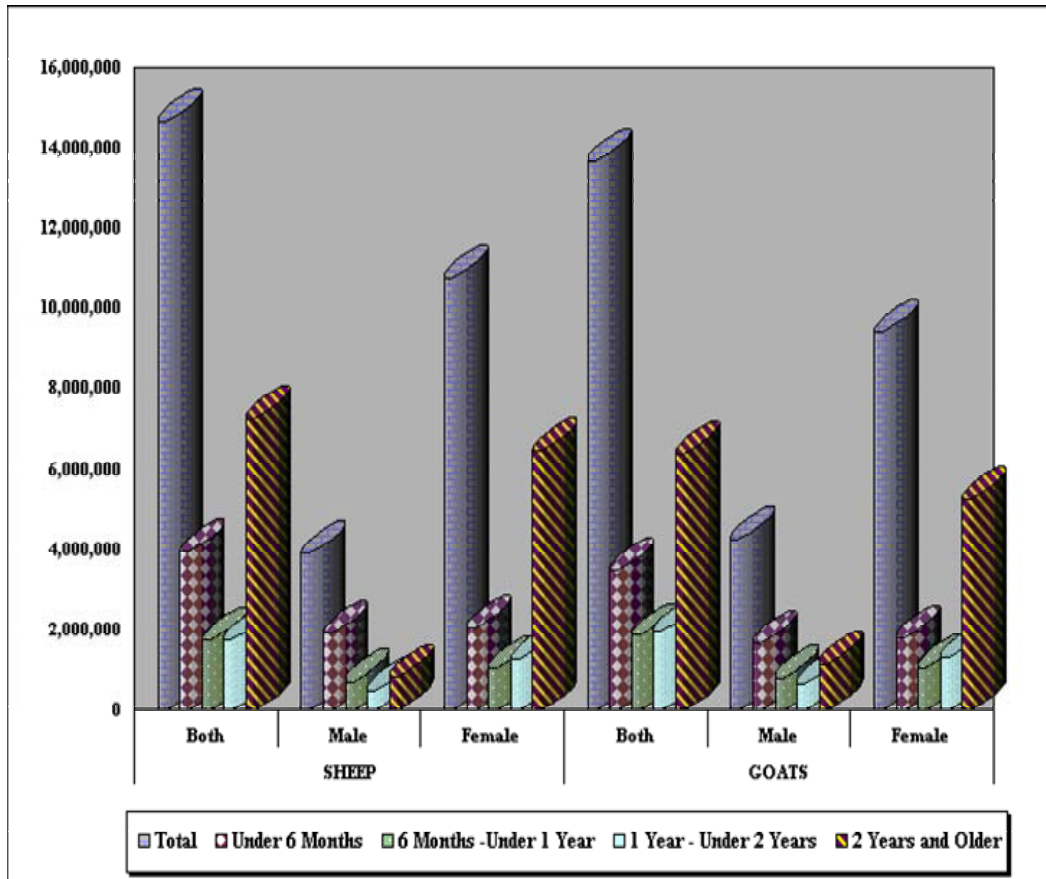
²A Milking Cow refers to any type of cow that actually milked during the reference period (Feb. 9, 2001 to Feb. 8, 2002).

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	14,655,565	100.0	3,901,054	26.6	10,754,512	73.4	14,321,787	97.7	3,792,618	25.9	10,529,169	71.8	333,778	2.3	108,436	0.7	225,343	1.5
Under 6 months	3,933,747	26.8	1,902,873	13.0	2,030,873	13.9	3,849,472	26.3	1,859,917	12.7	1,989,554	13.6	84,275	0.6	42,956	0.3	41,319	0.3
6 months - under 1 year	1,721,696	11.7	700,544	4.8	1,021,151	7.0	1,679,052	11.5	679,412	4.6	999,639	6.8	42,644	0.3	21,132	0.1	21,512	0.1
1 year - under 2 years	1,740,507	11.9	490,367	3.3	1,250,141	8.5	1,698,579	11.6	473,538	3.2	1,225,042	8.4	41,928	0.3	16,829	0.1	25,099	0.2
2 years and older	7,259,617	49.5	807,270	5.5	6,452,347	44.0	7,094,685	48.4	779,751	5.3	6,314,934	43.1	164,932	1.1	27,519	0.2	137,413	0.9
Sheep by Breed																		
Total	14,655,565	100.0	3,901,054	26.6	10,754,512	73.4	14,321,787	97.7	3,792,618	25.9	10,529,169	71.8	333,778	2.3	108,436	0.7	225,343	1.5
Indigenous	14,637,545	99.9	3,895,731	26.6	10,741,815	73.3	14,305,644	97.6	3,787,859	25.8	10,517,786	71.8	331,901	2.3	107,872	0.7	224,029	1.5
Hybrid	12,541	0.1	3,790	0.0	8,750	0.1	11,427	0.1	3,529	0.0	7,897	0.1	1,114	0.0	261	0.0	853	0.0
Exotic	5,480	0.0	1,533	0.0	3,948	0.0	4,716	0.0	1,230	0.0	3,487	0.0	764	0.0	303	0.0	461	0.0
Sheep Aged 2 Years and Older by Purpose																		
Total	7,259,617	100.0	807,270	11.1	6,452,347	88.9	7,094,685	97.7	779,751	10.7	6,314,934	87.0	164,932	2.3	27,519	0.4	137,413	1.9
Used for Mutton	362,029	5.0	292,060	4.0	69,969	1.0	344,199	4.7	276,386	3.8	67,814	0.9	17,830	0.2	15,674	0.2	2,155	0.0
Used for Wool	38,619	0.5	5,443	0.1	33,176	0.5	37,699	0.5	5,333	0.1	32,366	0.4	920	0.0	110	0.0	810	0.0
Used for Breeding	6,733,357	92.8	446,366	6.1	6,286,991	86.6	6,589,206	90.8	435,989	6.0	6,153,217	84.8	144,151	2.0	10,377	0.1	133,774	1.8
Used for Other	125,611	1.7	63,401	0.9	62,211	0.9	123,581	1.7	62,043	0.9	61,538	0.8	2,030	0.0	1,358	0.0	673	0.0
Total Goats	13,661,562	100.0	4,264,351	31.2	9,397,210	68.8	13,464,825	98.6	4,200,792	30.7	9,264,033	67.8	196,737	1.4	63,559	0.5	133,177	1.0
Under 6 months	3,462,679	25.3	1,665,462	12.2	1,797,217	13.2	3,415,350	25.0	1,641,626	12.0	1,773,724	13.0	47,329	0.3	23,836	0.2	23,493	0.2
6 months - under 1 year	1,848,082	13.5	793,170	5.8	1,054,913	7.7	1,821,589	13.3	781,279	5.7	1,040,310	7.6	26,493	0.2	11,891	0.1	14,603	0.1
1 year - under 2 years	1,969,141	14.4	669,753	4.9	1,299,388	9.5	1,941,585	14.2	659,905	4.8	1,281,680	9.4	27,556	0.2	9,848	0.1	17,708	0.1
2 years and older	6,381,659	46.7	1,135,966	8.3	5,245,693	38.4	6,286,301	46.0	1,117,982	8.2	5,168,319	37.8	95,358	0.7	17,984	0.1	77,374	0.6
Goats by Breed																		
Total	13,661,562	100.0	4,264,351	31.2	9,397,210	68.8	13,464,825	98.6	4,200,792	30.7	9,264,033	67.8	196,737	1.4	63,559	0.5	133,177	1.0
Indigenous	13,659,457	100.0	4,263,566	31.2	9,395,890	68.8	13,462,910	98.5	4,200,051	30.7	9,262,859	67.8	196,547	1.4	63,515	0.5	133,031	1.0
Hybrid	1,249	0.0	619	0.0	630	0.0	1,181	0.0	596	0.0	585	0.0	68	0.0	23	0.0	45	0.0
Exotic	856*	0.0	166*	0.0	690*	0.0	734*	0.0	145*	0.0	589*	0.0	122*	0.0	21*	0.0	101*	0.0
Goats Aged 2 Years and Older by Purpose																		
Total	6,381,659	100.0	1,135,966	17.8	5,245,693	82.2	6,286,301	98.5	1,117,982	17.5	5,168,319	81.0	95,358	1.5	17,984	0.3	77,374	1.2
Used for Milk	675,732	10.6			675,732	10.6	666,101	10.4			666,101	10.4	9,631	0.2			9,631	0.2
Used for Meat	529,498	8.3	458,732	7.2	70,766	1.1	520,023	8.1	450,549	7.1	69,474	1.1	9,475	0.1	8,183	0.1	1,292	0.0
Used for Breeding	5,070,098	79.4	618,442	9.7	4,451,657	69.8	4,995,019	78.3	609,385	9.5	4,385,635	68.7	75,079	1.2	9,057	0.1	66,022	1.0
Used for Other	106,330	1.7	58,793	0.9	47,538	0.7	105,157	1.6	58,049	0.9	47,109	0.7	1,173	0.0	744	0.0	429	0.0

* Their CVs are greater than 50 percent

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



order), followed by the young stock under six months for both sheep and goats, that is about 26.8 percent and 25.3 percent, respectively (See Figure VII.3).

With respect to breed, almost all of the sheep and the goats are indigenous (99.9 percent and nearly 100 percent, in that order).

Summary Table VII.2 also discloses the numbers and percentages of sheep and goats raised for different purposes in the country. The percentages of both sheep and goats kept for mutton and meat are significantly higher for males. Moreover, the data reveals that female sheep and female goats are primarily kept for breeding purposes. Among the sheep flock two years and older, 6,733,357 (92.8 percent) are kept for breeding; about five percent for mutton and only half a percent of the sheep were kept for wool production. Likewise, amid the goat population aged two years and older,

goats kept for breeding accounted for about 5,070,098 percent (79.4) while goats kept for meat accounted for about 8.3 percent. The number of goats kept for milk at country level is estimated to be 675,732, which is 10.6 percent of the total goats aged two years and older (See Figures VII.4 and V11.5).

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

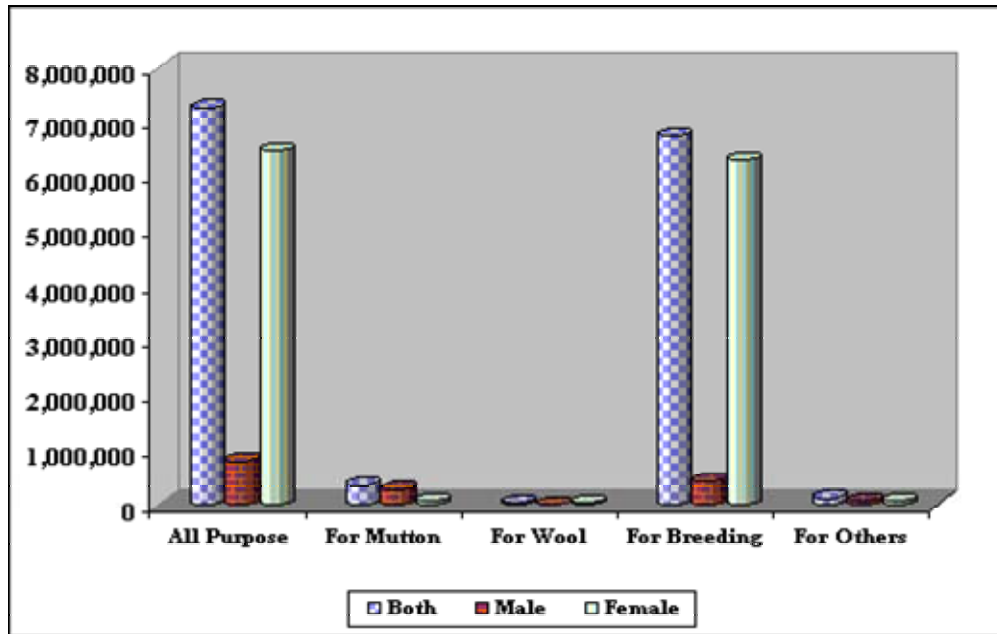
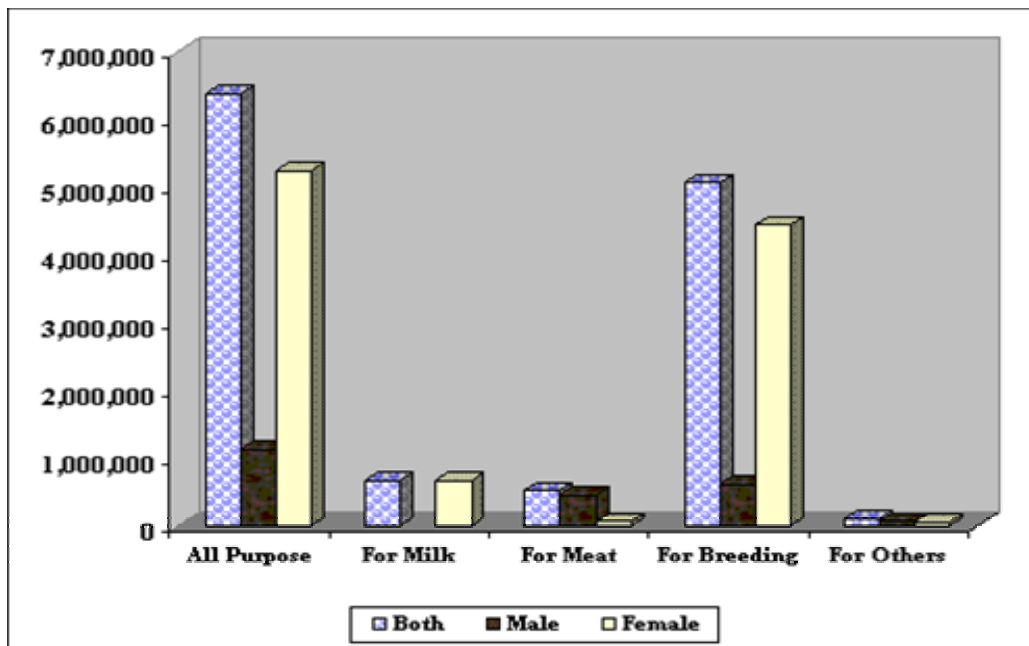


FIGURE VII.5 DISTRIBUTION OF GOATS AGED 2 YEARS AND OLDER BY SEX, AND PURPOSE



The numbers and percentage distributions of sheep and goats at regional level are given in the Statistical Tables. Accordingly, Amhara, Oromia, and S.N.N.P. Regions reported considerable portions of the sheep population, which are 36.3 percent, 32.01 percent, and 21.63 percent, respectively. Regarding goat population, Oromia and Amhara Regions are the major contributors to the 2002 goat population of the country, about 30.6 percent and 27.9 percent, in that order. S.N.N.P. and Tigray Regions also reported substantial number of goats (See Figure VII.9).

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 country for private holdings. According to the census result, there are 1,504,208 horses, 3,962,969 asses, 354,120 mules, and 482,760 camels at country level. The result as well shows that very high proportions of horses, asses, mules, and camels are found in the rural areas.

As indicated in the same table, asses are the overwhelming majority in the country compared with the other draught animals. Out of the total ass population in the country, 53.7 percent are females and the remaining 46.3 percent are males. With respect to age distribution, the majorities of the horses, asses and mules are of the age group 3 years and older. Furthermore, 74.6 percent of the camels are of the age group 4 years and older.

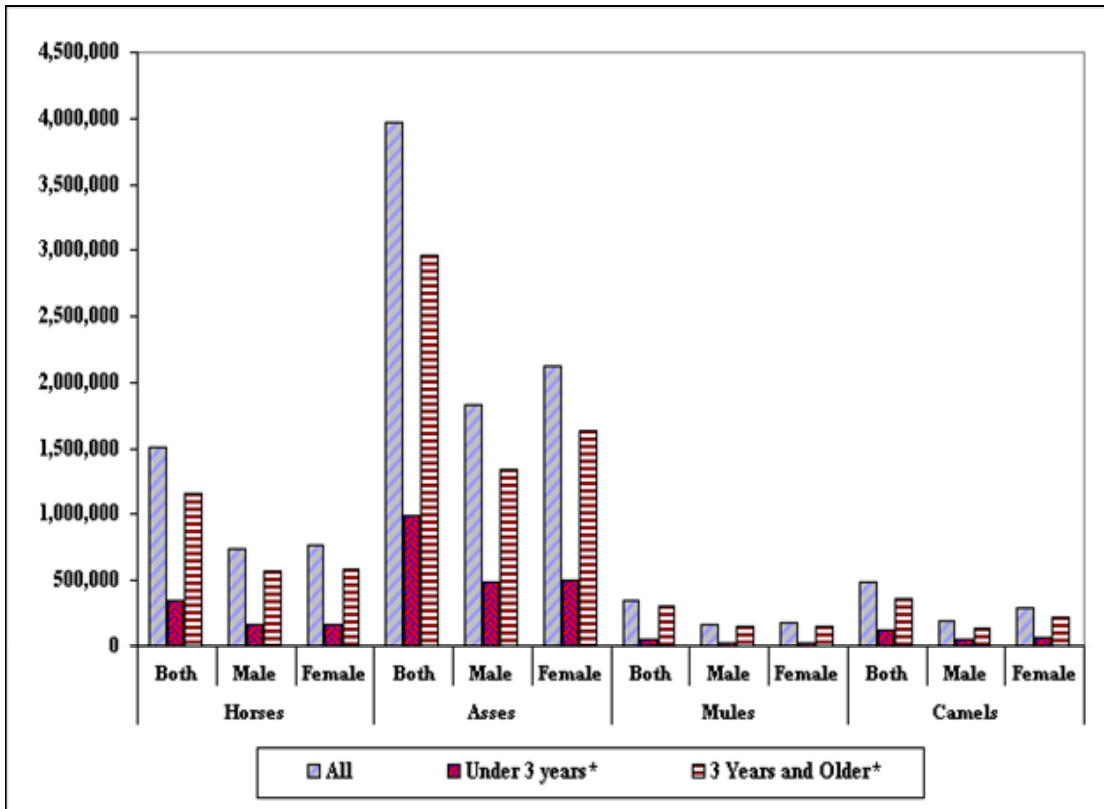
The estimates of these animals (aged 4 years and older for camels and aged 3 years and older for others) by sex and purpose are also given in Summary Table VII.3. As indicated in the table, among the horses aged 3 years and older, 843,656 (73 percent) were used for transportation, 160,941 (13.9 percent) were used for draught, and the remaining 151,577 (13.1 percent) were used for other purposes. With regard to asses, about 78 percent were used for transportation whereas about 19 percent of them were used for draught purposes and only 3.3 percent of them were used for other purposes.

SUMMARY TABLE VII.3: Estimated Number of Horses, Asses, Mules, and Camels by Sex, Age, 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 Horses.....	1,504,208	100.0	741,935	49.3	762,273	50.7	1,483,428	98.6	727,405	48.4	756,023	50.3	20,780	1.4	14,530	1.0	6,250	0.4
Under 3 Years.....	348,035	23.1	174,600	11.6	173,436	11.5	345,504	23.0	173,256	11.5	172,248	11.5	2,531	0.2	1,344	0.1	1,188	0.1
3 years and older.....	1,156,173	76.9	567,334	37.7	588,838	39.1	1,137,924	75.6	554,148	36.8	583,776	38.8	18,249	1.2	13,186	0.9	5,062	0.3
Horses Aged 3 Years and Older by Purpose																		
All Uses.....	1,156,173	100.0	567,334	49.1	588,838	50.9	1,137,924	98.4	554,148	47.9	583,776	50.5	18,249	1.6	13,186	1.1	5,062	0.4
Transportation.....	843,656	73.0	485,639	42.0	358,017	31.0	828,326	71.6	473,543	41.0	354,783	30.7	15,330	1.3	12,096	1.0	3,234	0.3
Draught.....	160,941	13.9	72,723	6.3	88,218	7.6	159,746	13.8	72,086	6.2	87,660	7.6	1,195	0.1	637	0.1	558	0.0
Other Uses.....	151,577	13.1	8,974	0.8	142,603	12.3	149,853	13.0	8,520	0.7	141,333	12.2	1,724	0.1	454	0.0	1,270	0.1
Total Asses.....	3,962,969	100.0	1,835,996	46.3	2,126,973	53.7	3,901,201	98.4	1,794,517	45.3	2,106,684	53.2	61,768	1.6	41,479	1.0	20,289	0.5
Under 3 Years.....	993,814	25.1	495,078	12.5	498,736	12.6	984,715	24.8	490,288	12.4	494,427	12.5	9,099	0.2	4,790	0.1	4,309	0.1
3 years and older.....	2,969,154	74.9	1,340,918	33.8	1,628,237	41.1	2,916,485	73.6	1,304,229	32.9	1,612,257	40.7	52,669	1.3	36,689	0.9	15,980	0.4
Asses Aged 3 Years and Older by Purpose																		
All Uses.....	2,969,154	100.0	1,340,918	45.2	1,628,237	54.8	2,916,485	98.2	1,304,229	43.9	1,612,257	54.3	52,669	1.8	36,689	1.2	15,980	0.5
Transportation.....	2,319,711	78.1	1,066,646	35.9	1,253,066	42.2	2,276,593	76.7	1,036,369	34.9	1,240,224	41.8	43,118	1.5	30,277	1.0	12,842	0.4
Draught.....	550,781	18.6	242,231	8.2	308,549	10.4	543,594	18.3	237,561	8.0	306,032	10.3	7,187	0.2	4,670	0.2	2,517	0.1
Other Uses.....	98,663	3.3	32,040	1.1	66,621	2.2	96,299	3.2	30,298	1.0	66,000	2.2	2,364	0.1	1,742	0.1	621	0.0
Total Mules.....	354,120	100.0	173,749	49.1	180,371	50.9	349,330	98.6	171,229	48.4	178,101	50.3	4,790	1.4	2,520	0.7	2,270	0.6
Under 3 Years.....	49,783	14.1	22,773	6.4	27,009	7.6	49,450	14.0	22,597	6.4	26,853	7.6	333	0.1	176	0.0	156	0.0
3 years and older.....	304,338	85.9	150,976	42.6	153,362	43.3	299,880	84.7	148,632	42.0	151,248	42.7	4,458	1.3	2,344	0.7	2,114	0.6
Mules Aged 3 Years and Older by Purpose																		
All Uses.....	304,338	100.0	150,976	49.6	153,362	50.4	299,880	98.5	148,632	48.8	151,248	49.7	4,458	1.5	2,344	0.8	2,114	0.7
Transportation.....	284,563	93.5	139,565	45.9	144,999	47.6	280,555	92.2	137,483	45.2	143,072	47.0	4,008	1.3	2,082	0.7	1,927	0.6
Draught.....	15,865	5.2	9,898	3.3	5,968	2.0	15,715	5.2	9,812	3.2	5,903	1.9	150	0.0	86	0.0	65	0.0
Other Uses.....	3,909	1.3	1,513	0.5	2,396	0.8	3,610	1.2	1,336	0.4	2,274	0.7	299	0.1	177	0.1	122	0.0
Total Camels.....	482,760	100.0	190,067	39.4	292,693	60.6	475,117	98.4	187,157	38.8	287,960	59.6	7,643	1.6	2,910	0.6	4,733	1.0
Under 4 Years.....	122,464	25.4	54,055	11.2	68,409	14.2	120,793	25.0	53,477	11.1	67,316	13.9	1,671	0.3	578	0.1	1,093	0.2
4 years and older.....	360,296	74.6	136,012	28.2	224,285	46.5	354,324	73.4	133,680	27.7	220,645	45.7	5,972	1.2	2,332	0.5	3,640	0.8
Camels Aged 4 Years and Older by Purpose																		
All Uses.....	360,296	100.0	136,012	37.8	224,285	62.3	354,324	98.3	133,680	37.1	220,645	61.2	5,972	1.7	2,332	0.6	3,640	1.0
Meat.....	11,772	3.3	4,373	1.2	7,399	2.1	11,668	3.2	4,305	1.2	7,363	2.0	104	0.0	68	0.0	36*	0.0
Milk.....	174,249	48.4	74,249	21.5	100,000	28.3	171,190	47.5	74,249	21.5	100,000	28.3	3,059	0.8	1,270	0.3	3,059	0.8
Transportation.....	129,110	35.8	115,617	32.1	13,494	3.7	127,176	35.3	113,807	31.6	13,370	3.7	1,934	0.5	1,810	0.5	124	0.0
Draught.....	4,188	1.2	3,287	0.9	900	0.2	4,012	1.1	3,122	0.9	889	0.2	176	0.0	165	0.0	11*	0.0
Other Uses.....	40,978	11.4	12,735	3.5	28,243	7.8	40,279	11.2	12,446	3.5	27,833	7.7	699	0.2	289	0.1	410	0.1

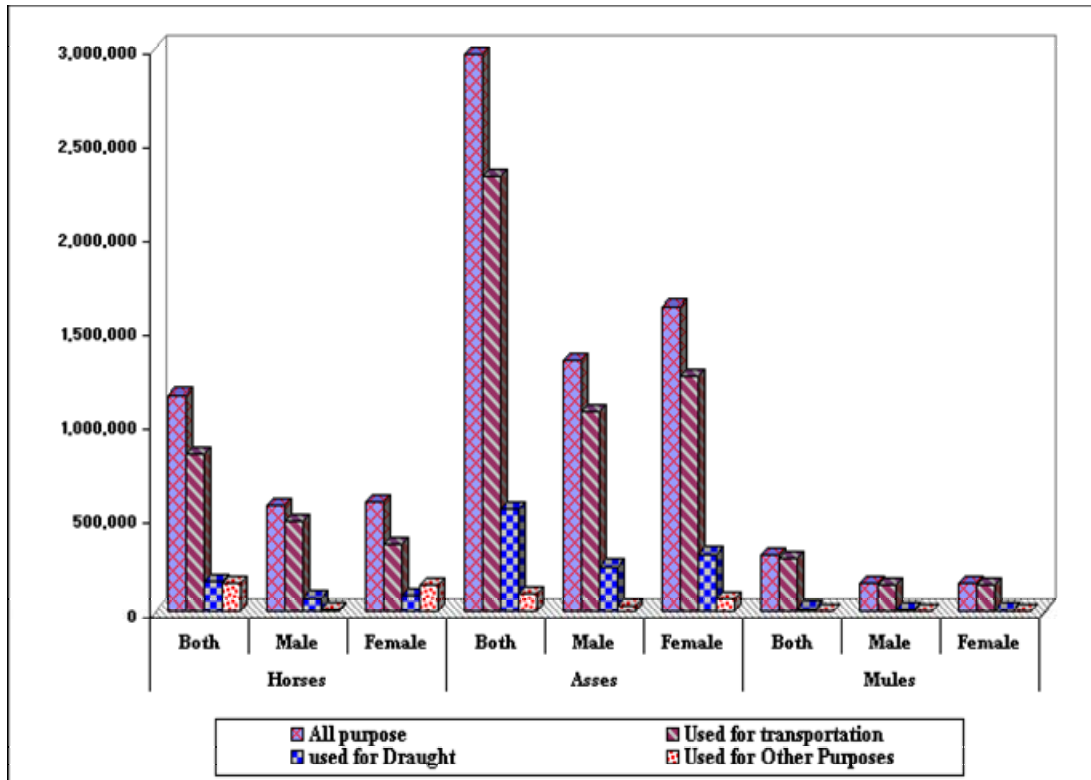
* Their CVs are greater than 50 percent

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



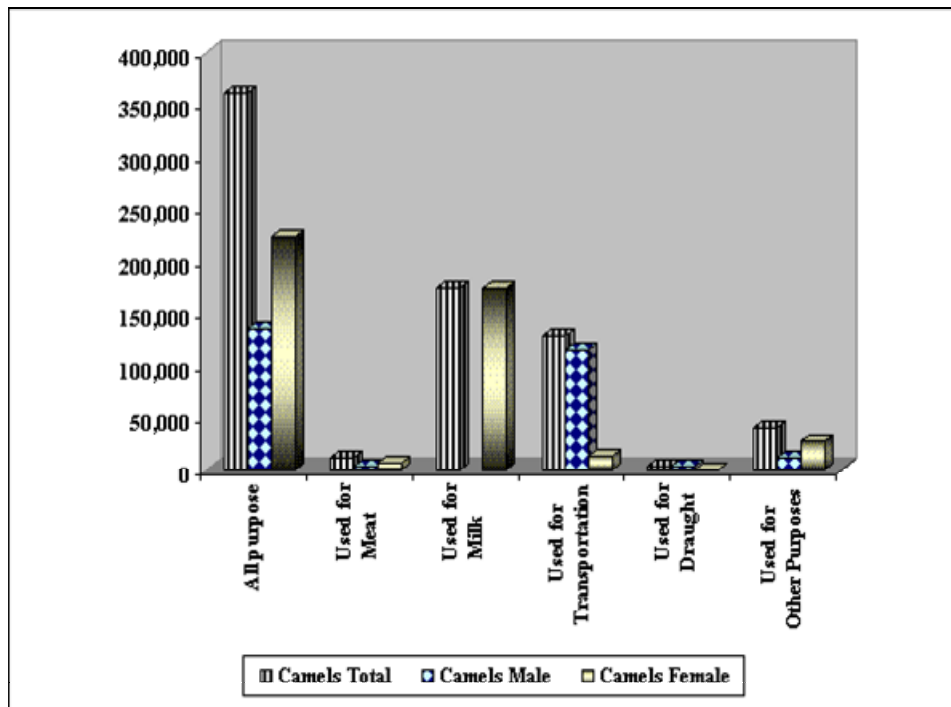
* Note that for camels the age Categories are under 4 years and 4 years & older

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



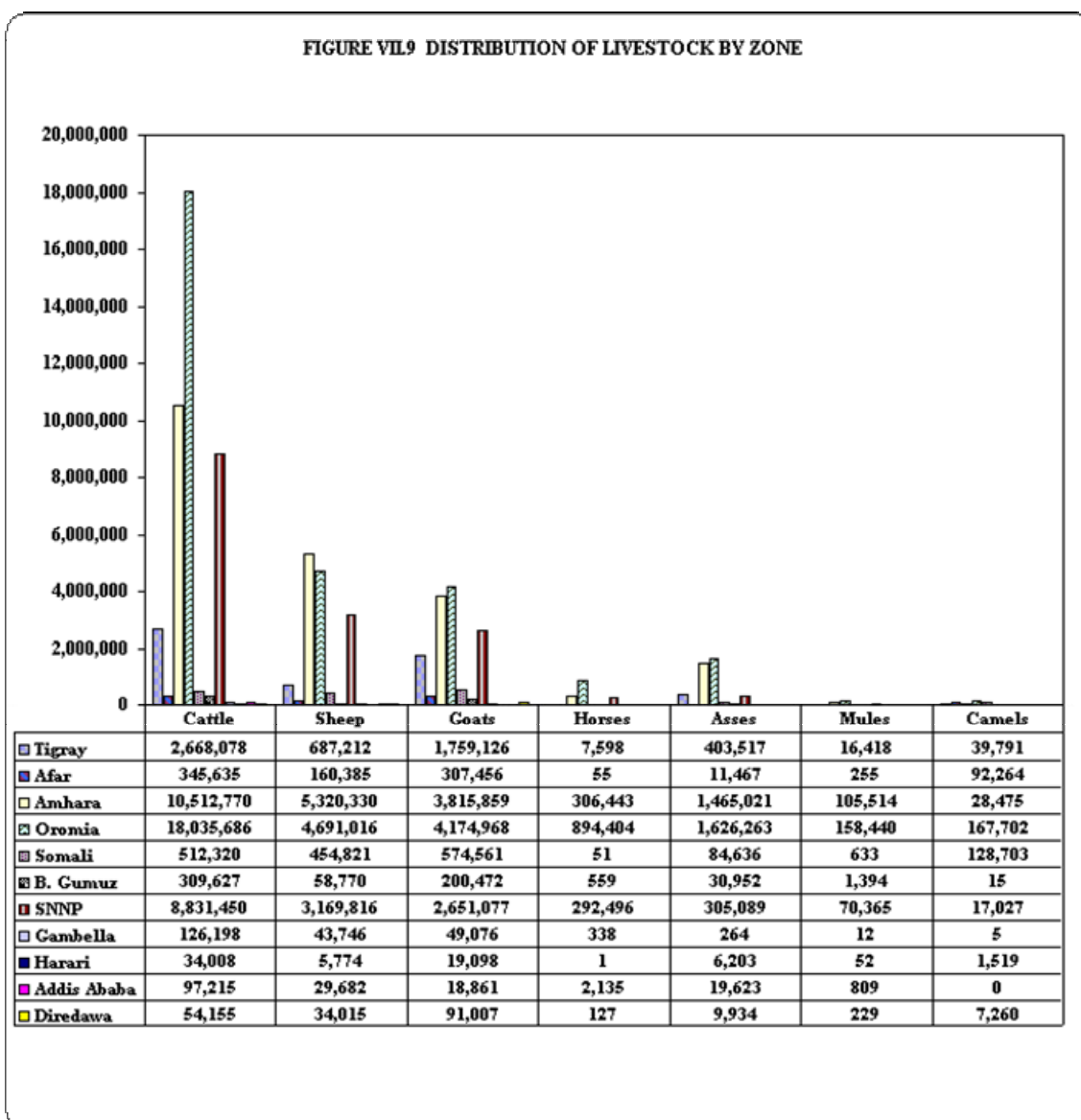
As to the mules, 93.5 percent of them were used for transportation and the others 5.2 percent and 1.3 percent were used for draught and other purposes, respectively. The census result also indicates that 48.4 percent of the camels reported were kept for milk, 35.8 percent were used for transportation, and only 4,188 camels were used for draught purposes. On the other hand, the camels kept for other purposes are 40,978 (See also Figures VII.6 to VII.8).

FIGURE VII.8 DISTRIBUTION OF CAMELS BY PURPOSE AND SEX



Regarding regional distribution, Oromia and Amhara Regions collectively make up about 78 percent of the total ass population in the country, and the remaining 12 percent are found in the other regions. On the other hand, more than half of the horse population and about 45 percent of the mules are found in Oromia Region. Amhara Region also contributed about 20 percent and 30 percent to the horse and mule populations of the country, respectively. With reference to camel population, Oromia and Somali Regions jointly took the greater share that is 61.4 percent (See Figure VII.9).

FIGURE VII.9 DISTRIBUTION OF LIVESTOCK BY ZONE



2.4 Poultry

Data on poultry population are collected as part of the livestock census, and the total poultry population at country level is estimated to be about 42,915,629. 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.10, most of the poultry are chicks (17,897,992), followed by laying hens (11,136,333). Pullets are estimated to be 4,663,657 in the country. Cocks and cockerels are also estimated separately, and are

3,776,632 and 3,281,882, respectively. The others are non-laying hens that make up about 5.03 percent (2,159,131) of the total poultry population in the country. Rural areas constitute about 95.37 percent of the total poultry, which is significant. Urban areas also comprised of 4.63 percent.

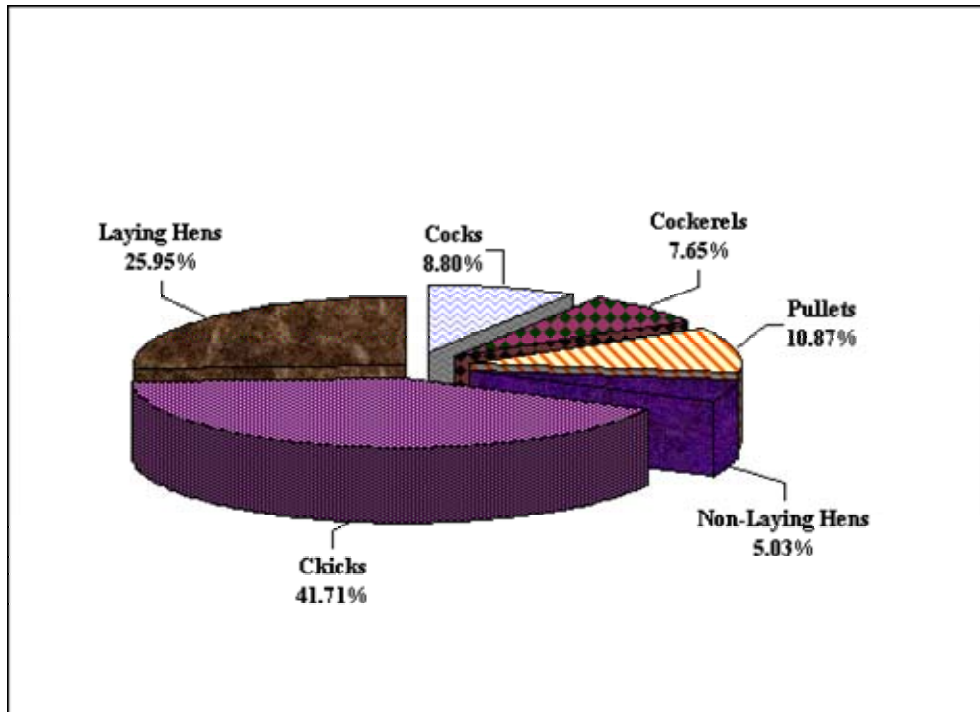
Moreover, average egg-laying period per hen and average number of eggs laid per hen during this period are estimated based on the data collected. Consequently, the single average egg-laying period per hen is estimated to be about 19 days while average number of eggs laid per hen per egg-laying period is about 12 eggs at country level. Egg-laying period and number of eggs laid per period are to some extent higher in urban than in rural areas.

Pertaining to regional distribution, Oromia and Amhara Regions together reported about two-thirds of the total poultry (65.8 percent). S.N.N.P. and Tigray Regions also contributed about 30.5 percent jointly to the country's poultry population while the others reported between 0.05 percent and 2.3 percent (See Table 7-1-a).

SUMMARY TABLE VII.4: Estimated Number of Poultry by Type for Rural and Urban Holdings

Type of Poultry	Rural and Urban Holdings		Rural Holdings		Urban Holdings	
	Number	%	Number	%	Number	%
All Poultry.....	42,915,629	100.00	40,929,629	95.37	1,986,000	4.63
Cocks.....	3,776,632	8.80	3,628,062	8.45	148,570	0.35
Cockerels.....	3,281,882	7.65	3,158,193	7.36	123,689	0.29
Pullets.....	4,663,657	10.87	4,491,021	10.46	172,636	0.40
Non-Laying Hens.....	2,159,131	5.03	1,903,043	4.43	256,088	0.60
Chicks.....	17,897,992	41.71	17,420,187	40.59	477,805	1.11
Laying Hens.....	11,136,333	25.95	10,329,121	24.07	807,212	1.88
Average Number Days/Clutch....	19		19		21	
Average Eggs/Hen/Clutch.....	12		12		14	

FIGURE VII.10 DISTRIBUTION OF POULTRY BY TYPE



2.5 Beehives

Information on beehives was also collected during the livestock census. 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 Tadesse, 1993 E.C.; P.Seegeren et al, 1996).

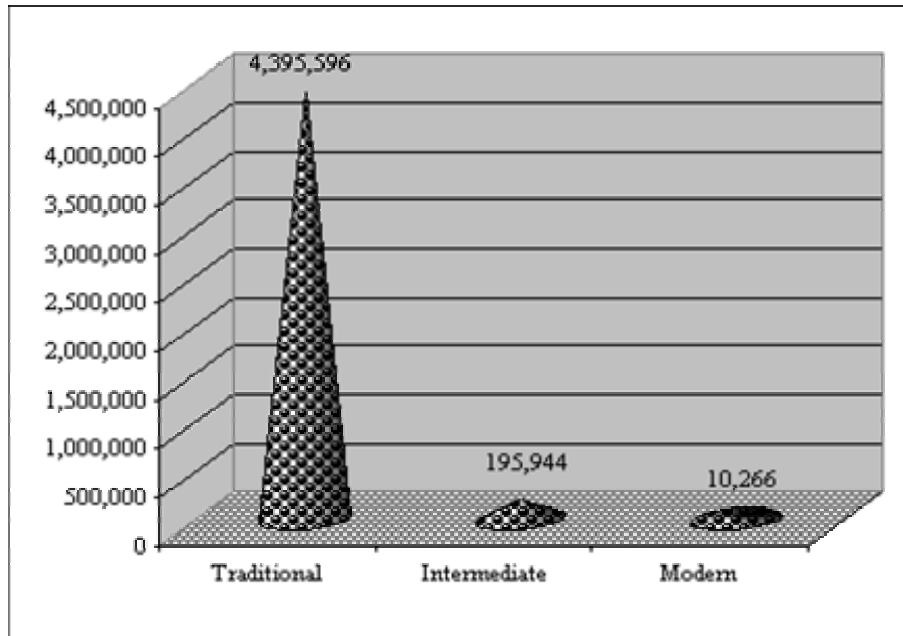
Modern Hive [Hive with Frames] is a brood (offspring) chamber (box) with a fixed bottom board and flight board. In the bottom board there is a ventilation hole of size (15cmx30cm), which can be covered with fine wire mesh or other suitable material. The brood chamber holds ten frames, which are kept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

Any type of the above beehives was enumerated if it produced honey at least once during the reference period (February 9, 2001 to February 8, 2002). Accordingly, the result of the census revealed that a total of 4,601,806 hives is estimated to be found in rural and urban areas of the country. From this total hives, 4,395,596 (95.52 percent) are traditional hives, 195,944 are intermediate hives, and the remaining 10,266 are modern hives.

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.....	4,601,806	100.00	4,399,573	95.61	202,233	4.39
Traditional Beehives	4,395,596	95.52	4,383,247	95.25	12,349	0.27
Intermediate Beehives....	195,944	4.26	6,380	0.14	189,564	4.12
Modern Beehives	10,266	0.22	9,946	0.22	320	0.01

FIGURE VII.11 DISTRIBUTION OF BEEHIVES BY TYPE



As indicated in Summary Table VII.5 and Figure VII.11, very significant portion of the beehives are reported in rural areas (about 95.61 percent). Although very little (4.39 percent), urban areas as well contributed to the beehives population of the country.

With regard to regional distribution of hives, Oromia Region reported nearly half of the total hives. S.N.N.P. and Amhara Regions also contributed significant portions to the hive population of the country that is 40.46 percent on aggregate. Tigray Region as well reported about 5 percent of the total hives in the country (See Table 7-1-a).

3. LIVESTOCK PRODUCTS

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

3.1 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 country is estimated by multiplying these three components. However, two basic concepts about milk production should be mentioned here. “Gross production”, which includes whole fresh milk actually milked and milk sucked by young animals and also milk fed to other animals. “Net production” consists of whole milk actually milked and milk fed to other animals but excludes milk sucked by young animals. Therefore, in our case, milk production is estimated based on the concept “net production”, and as indicated in Summary Table VII.6, the estimate of total cow milk production for rural and urban areas at country level during the reference period, is about 2.59 billion liters of which about 2.48 billion liters (95.67 percent) is attributed to rural areas. A total of about 112 million liters of cow milk was as well estimated for urban areas. On the other hand, the estimate of camel milk for the country is about 115 million liters.

Data on lactation period and average milk yield per cow per day were also collected. As a result, the average lactation period per cow at country level is estimated to be about eight months, and average milk yield per cow per day is about 1.284 liters. With regard to camel, the average lactation period is about 12 months whereas the average daily milk yield of a camel at country level is about 3.488 liters.

3.2 Honey Production

To estimate honey production, number of hives, frequency of honey production and honey production per harvest are required. Therefore, these data were collected from the holders within sampled households both in rural and urban areas. As a result, the estimate of total honey production is about 33 million kilograms of which the greater portion (99.36 percent) is harvested from traditional hives (See Summary Table VII.6).

As can be seen from the census data, honey was harvested only once during the 12 months period (i.e. the reference period) from a traditional hive while twice from intermediate and modern hives in rural areas of the country. In urban areas, however honey was harvested twice from traditional and intermediate hives during the reference period.

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
Milk Production			
Cow Milk			
Average Daily Milk Production (Liters/Cow).....	1.284	1.259	2.128
Average Lactation Period (Months)	8	8	8
Total Milk Production (Liters).....	2,591,187,141	2,478,968,904	112,218,236
Camel Milk			
Average Daily Milk Production (Liters/Camel)...	3.488	3.469	5.633
Average Lactation Period (Months)	12	12	12
Total Milk Production (Liters).....	115,379,953	113,429,500	1,950,453
Honey Production			
All Types of Beehives			
Production (Kilograms).....	32,985,473	32,822,288	163,185
Average Frequency (Harvests/Year)		1	2
Traditional Beehives			
Production (Kilograms).....	32,775,079	32,638,615	136,464
Average Frequency (Harvests/Year).....		1	2
Intermediate Beehives			
Production (Kilograms).....	87,740	61,740	26,000
Average Frequency (Harvests/Year).....		2	2
Modern Beehives			
Production (Kilograms).....	122,654	121,933	721*
Average Frequency (Harvests/Year).....		2	*

* Their CVs are greater than 50 percent

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 by-products such as butter, cheese, and bees wax. It is commonly accepted that these products are often used

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 Consumption	Sale	Wages in Kind	Other		Household Consumption	Sale	Wages in Kind	Other		Household Consumption	Sale	Wages in Kind	Other
Milk	100	48.1	5.06	0.31	46.53	100	44.85	4.44	0.32	50.39	100	77.29	10.65	0.24	11.83
Butter	100	60.23	35.84	0.19	3.74	100	59.2	36.87	0.18	3.74	100	76.55	19.45	0.3	3.7
Cheese	100	83.8	12.82	0.1	3.28	100	83.52	13.21	0.1	3.17	100	89.45	4.95	0.09	5.51
Beef	100	45.56	41.65	0.62	12.16	100	43.11	44.1	0.59	12.2	100	66.96	20.22	0.96	11.86
Mutton/Goat Meat	100	85.38	10.7	0.15	3.77	100	85.5	9.93	0.14	4.43	100	85.15	12.16	0.18	2.52
Eggs	100	31.64	38.06	0.08	30.22	100	28.91	39.71	0.07	31.32	100	65.39	17.76	0.17	16.68
Honey	100	39.28	57.55	0.25	2.92	100	39.15	57.68	0.25	2.92	100	51.64	45.57	0.14	2.64
Bees Wax	100	34.4	32.58	0.18	32.85	100	34.38	32.58	0.18	32.86	100	37.89	32.02	0.11	29.97
Wool	100	34.83	53.36	0.8	11.01	100	35.88	52.02	0.79	11.31	100	6.63	89.47	0.97	2.93
Hide	100	35.53	59.38	0.07	5.02	100	49.77	43.42	0.1	6.71	100	11.68	86.11	0.01	2.2
Skin	100	22.5	74.44	0.1	2.96	100	25.73	70.64	0.07	3.55	100	13.72	84.76	0.17	1.34

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 and it reveals that of the total annual milk production, 48.1 percent was used for household consumption, 5.06 percent was sold, only 0.31 percent was used for wages in kind and the rest 46.53 percent was used for other purposes (could be for production of butter, Cheese, and the likes). With respect to the utilization of butter, 60.23 percent of the produce was used for household consumption although considerable portion (35.84 percent) was sold. Most of the total cheese produced was used for household consumption that is about 83.8 percent, and the rest 16 percent was used for other purposes, which are indicated in the table.

Of the total honey production, about 39.28 percent was used for household consumption, about 57.55 percent was sold, and less than one percent of the honey production was used as a payment (wage) in the country. On the other hand, 34.4 percent of the wax produced in the country was used for household consumption while 32.58 percent was used for sale.

Concerning utilization of egg production, 31.64 percent of the total egg production was used for household consumption while 38.06 percent of the total egg production was used for sale. More than one-fourth of the egg production in the country (that is about 30.22 percent) 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 (See Summary Table VII.7).

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.

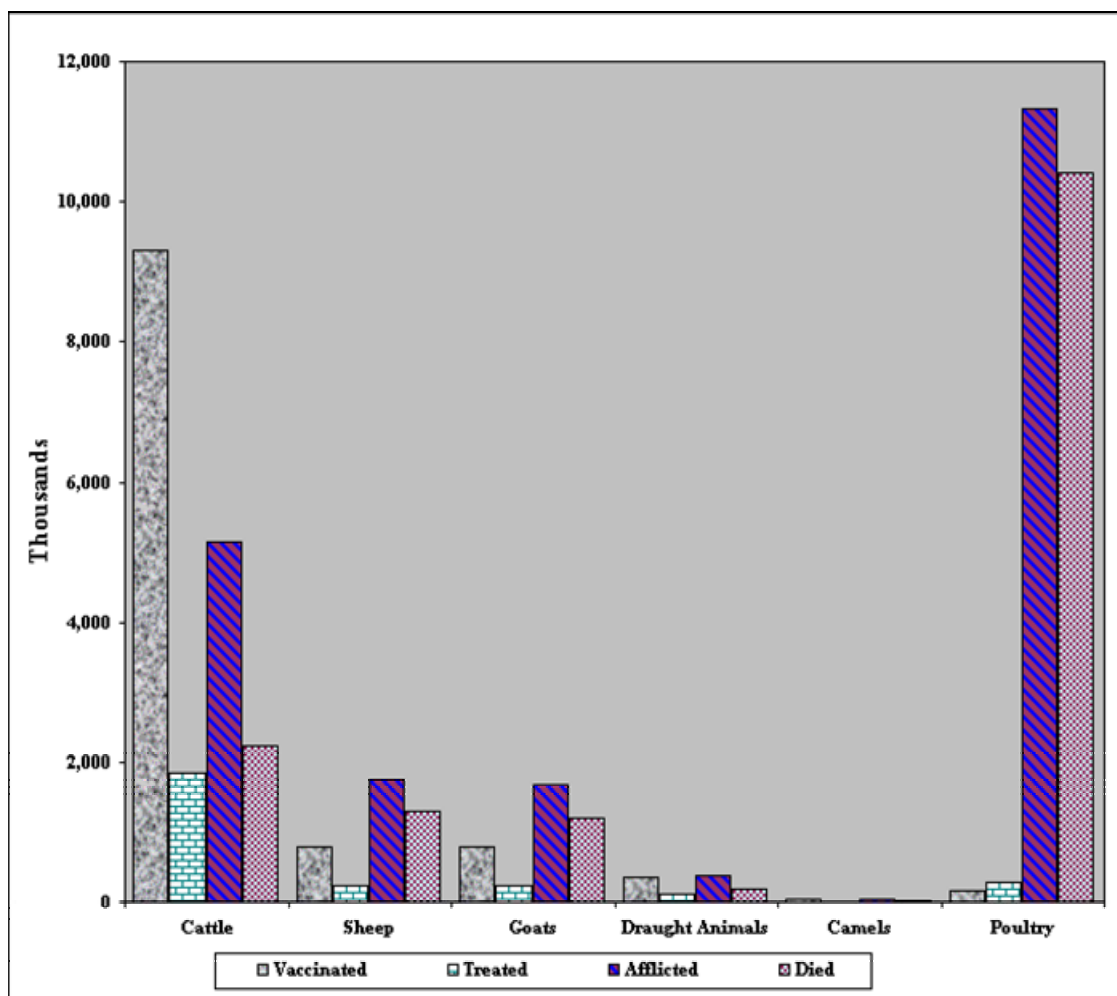
Data on these parameters specifically on number of vaccinated, afflicted, treated and dead animals were therefore collected and the results are shown in Summary Table VII.8. The estimated number of vaccinated animals within the reference period in rural and urban areas of the country is about 11,452,357. Out of these animals, about 81.24 percent were cattle followed by goats, which took about 6.94 percent share. Sheep, draught animals (horses, asses, and mules), and poultry also accounted for about 6.85 percent, 3.25 percent, and 1.39 percent of the total vaccinated animals, respectively. The estimated number of vaccinated camels in the country is about 37,925, which is only 0.33 percent of the total vaccinated animals.

SUMMARY TABLE VII.8: Estimated Number of Livestock Vaccinated, Afflicted, Treated, and Died in Rural and Urban Holdings

Item	Rural and Urban Holdings		Rural Holdings		Urban Holdings	
	Number	%	Number	%	Number	%
Total Vaccinated.....	11,452,357	100.00	11,016,514	96.19	435,843	3.81
Cattle.....	9,304,316	81.24	8,969,640	78.32	334,676	2.92
Sheep.....	783,971	6.85	739,936	6.46	44,035	0.38
Goats.....	794,935	6.94	775,923	6.78	19,012	0.17
Horses, Asses, and Mules.....	371,651	3.25	361,191	3.15	10,460	0.09
Camels.....	37,925	0.33	37,585	0.33	340	0.00
Poultry.....	159,557	1.39	132,238	1.15	27,319	0.24
Total Afflicted.....	20,366,738	100.00	19,614,166	96.30	752,572	3.70
Cattle.....	5,149,263	25.28	5,037,570	24.73	111,693	0.55
Sheep.....	1,765,586	8.67	1,726,850	8.48	38,736	0.19
Goats.....	1,695,284	8.32	1,674,032	8.22	21,252	0.10
Horses, Asses, and Mules.....	380,229	1.87	373,920	1.84	6,309	0.03
Camels.....	39,666	0.19	39,249	0.19	417	0.00
Poultry.....	11,336,709	55.66	10,762,544	52.84	574,165	2.82
Total Treated.....	2,754,857	100.00	2,606,051	94.60	148,806	5.40
Cattle.....	1,863,573	67.65	1,788,015	64.90	75,558	2.74
Sheep.....	238,555	8.66	222,539	8.08	16,016	0.58
Goats.....	231,108	8.39	224,974	8.17	6,134	0.22
Horses, Asses, and Mules.....	120,094	4.36	116,360	4.22	3,734	0.14
Camels.....	8,473	0.31	8,351	0.30	122	0.00
Poultry.....	293,056	10.64	245,813	8.92	47,243	1.71
Total Died.....	15,358,209	100.00	14,730,605	95.91	627,604	4.09
Cattle.....	2,243,274	14.61	2,195,634	14.30	47,640	0.31
Sheep.....	1,289,861	8.40	1,264,285	8.23	25,576	0.17
Goats.....	1,213,385	7.90	1,198,078	7.80	15,307	0.10
Horses, Asses, and Mules.....	193,027	1.26	189,526	1.23	3,501	0.02
Camels.....	17,165	0.11	16,910	0.11	255	0.00
Poultry.....	10,401,496	67.73	9,866,172	64.24	535,324	3.49

In the same table, it is indicated that about 20,366,738 animals were diseased/afflicted by different types of diseases during the reference period and only 2,754,857 of them were treated. The cattle constituted about 67.65 percent of the total treated animals and substantial number of poultry was treated as well (293,056 heads).

FIGURE VII.12 DISTRIBUTION OF ANIMALS VACCINATED, AFFLICTED, TREATED AND DIED



According to the census data, greater number of animals died during the reference period in the country due to diseases of which the majority (67.73 percent) is poultry. In addition, the estimated numbers of dead cattle, dead sheep, and dead goats in the country are about 2,243,274; 1,289,861; and 1,213,385 heads, respectively. The number of draught animals estimated dead is also considerable that is about 193,027 heads (See Summary Table VII.8).

If we take a look at the zonal results to see the distributions among the regions, about two-thirds of the total vaccinated-animals are reported in Oromia and Amhara Regions, and the other regions reported the rest one-third. Regarding diseased animals, the majorities are accounted for Oromia Region followed by S.N.N.P. Region (42 percent and 24.5 percent, in that order). Similar distribution patterns are also observed for dead animals whereas about 44 percent and 23 percent of the total treated animals are reported in Oromia and Amhara Regions, respectively (See Statistical Tables 7.20 a to 7.23 a).

6. ANIMAL FEED

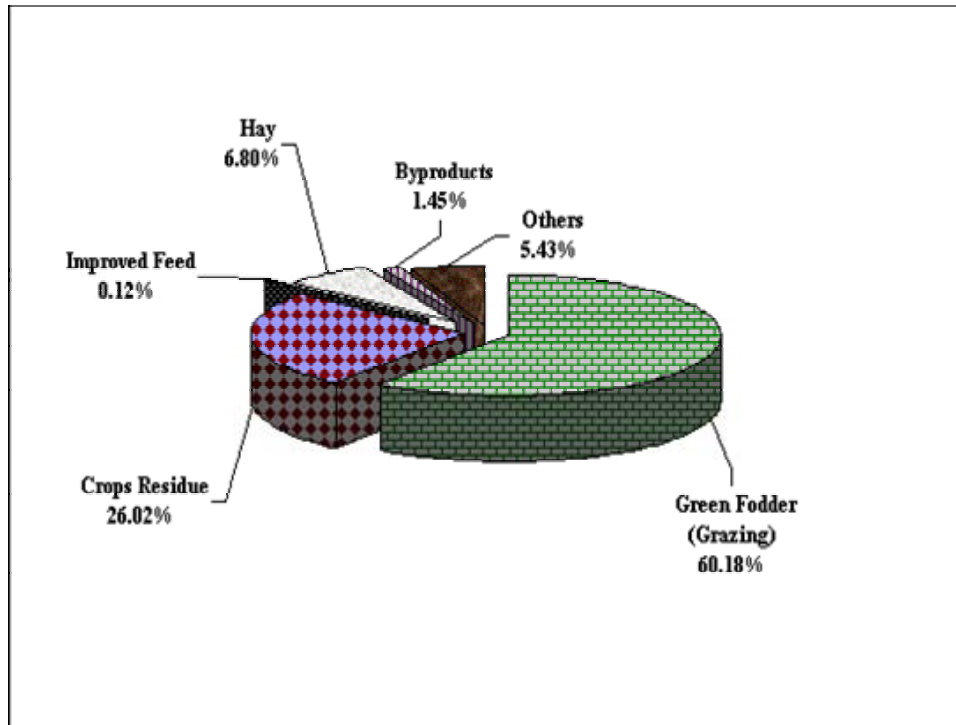
Data on animal feed practices of holders in both the rural and urban areas of the country were gathered to assess feed utilization experience. For the purpose of this report, animal feeds are classified as green fodder (grazing), crop residue, improved feed, hay, industrial by-products, and other feeds. *Green fodder* is simply pasture grasses; *crop residue* includes harvested by-products (straw and chaff of cereals and pulses, etc.); *improved feed* is like alfalfa; *hay* includes any type of grass, clover etc. cut and dried as fodder; and finally industrial *by-products* are like oil cake (rapeseed cake, nuge 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 country, green fodder (grazing) is the major type of feed (about 60.17 percent) followed by crops residue that is 26.02 percent. Hay and by-products were also used as animal feed in the country that comprise about 6.8 and 1.45 percent of the total feed, respectively. Moreover, as shown in Summary Table VII.9 and Figure VII.13, very small amount of improved feed (only 0.12 percent) was used as animal feed and other types of feed that accounted for about 5.43 percent were also used in the country.

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...	9,462,178	60.17	9,192,256	60.55	269,922	48.85
Crops Residue	7,825,828	26.02	7,660,221	26.35	165,608	16.3
Improved Feed	66,009	0.12	62,595	0.12	3,414	0.24
Hay	2,852,543	6.8	2,764,117	6.77	88,426	7.67
By-products	987,506	1.45	892,592	1.26	94,914	7.17
Others	3,085,797	5.43	2,868,982	4.95	216,815	19.77

FIGURE VII.13 ANIMAL FEED PRACTICES OF HOLDERS



Summary Table VII.9 also highlights the number of holders reported each type of feed. According to the data, about 9,462,178 holders have used green fodder to feed their animals. Significant number of holders (7,825,828) both in rural and urban areas of the country also reported that they used to feed crops residue for their animals. Moreover, about 2,852,543, and 987,506 holders have reported hay and by-products, respectively. Quite a number of holders (about 3,085,797) as well reported other types of feeds while only 66,009 holders reported to use the improved feed.

**STATISTICAL TABLES PRESENTING
RESULTS AT
REGIONAL LEVEL**

TABLES 7.1 –7.36

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

a) Both Rural and Urban Holdings

Geographic Area	ALL LIVESTOCK								
	CATTLE	SHEEP	GOATS	HORSES	ASSES	MULES	CAMELS	POULTRY	BEEHIVES
Ethiopia	41,527,142	14,655,566	13,661,562	1,504,208	3,962,969	354,120	482,760	42,915,628	4,601,806
Tigray	2,668,078	687,212	1,759,126	7,598	403,517	16,418	39,791	4,999,678	228,683
Afar	345,635	160,385	307,456	55	11,467	255	92,264	56,376	773
Amhara	10,512,770	5,320,330	3,815,859	306,443	1,465,021	105,514	28,475	13,434,878	917,460
Oromia	18,035,686	4,691,016	4,174,968	894,404	1,626,263	158,440	167,702	14,784,303	2,270,166
Somali	512,320	454,821	574,561	51	84,636	633	128,703	154,746	7,212
Benshangul-Gumuz	309,627	58,770	200,472	559	30,952	1,394	15	961,196	166,736
S.N.N.P.	8,831,450	3,169,816	2,651,077	292,496	305,089	70,365	17,027	8,106,038	944,321
Gambella	126,198	43,746	49,076	338	264	*	*	237,930	59,222
Harari	34,008	5,774	19,098	*	6,203	*	*	33,046	969
Addis Ababa	97,215	29,682	*	2,135	19,623	809	-	100,163	4,231
Dire-dawa	54,155	34,015	91,007	127	9,934	*	7,260	47,273	2,034

b) Rural Holdings

Geographic Area	ALL LIVESTOCK								
	CATTLE	SHEEP	GOATS	HORSES	ASSES	MULES	CAMELS	POULTRY	BEEHIVES
Ethiopia	40,638,801	14,321,787	13,464,825	1,483,428	3,901,201	349,330	475,117	40,929,629	4,399,573
Tigray	2,619,540	670,801	1,748,296	7,458	397,198	16,285	39,122	4,049,478	211,581
Afar	336,002	151,794	291,014	-	10,961	252	89,075	50,592	658
Amhara	10,360,069	5,232,302	3,800,802	304,205	1,453,894	103,990	27,793	13,139,592	870,322
Oromia	17,583,777	4,565,365	4,101,687	880,855	1,596,067	156,342	166,976	14,366,406	2,178,131
Somali	495,403	430,539	541,103	-	82,187	633	126,424	125,195	6,607
Benshangul-Gumuz	286,735	52,532	197,179	491	30,234	1,344	-	905,258	165,116
S.N.N.P.	8,691,304	3,129,369	2,619,541	288,240	299,775	69,416	17,016	7,936,245	905,649
Gambella	116,074	42,753	46,735	333	199	-	-	220,430	58,625
Harari	33,094	4,949	17,850	-	6,060	*	*	28,936	969
Addis Ababa	66,091	12,432	*	1,846	15,025	800	-	66,325	681
Dire-dawa	50,712	28,950	84,517	-	9,600	*	7,192	41,172	1,234

c) Urban Holdings

Geographic Area	ALL LIVESTOCK								
	CATTLE	SHEEP	GOATS	HORSES	ASSES	MULES	CAMELS	POULTRY	BEEHIVES
Ethiopia	888,341	333,778	196,737	20,780	61,768	4,790	7,643	1,986,000	202,233
Tigray	48,538	16,411	10,830	140	6,319	133	669	950,200	17,103
Afar	9,633	8,591	16,443	55	505	*	3,189	5,785	*
Amhara	152,701	88,028	15,057	2,238	11,127	1,524	682	295,286	47,138
Oromia	451,908	125,651	73,281	13,549	30,195	2,099	725	417,897	92,035
Somali	16,917	24,282	33,458	51	2,448	-	2,279	29,552	*
Benshangul-Gumuz	22,892	6,238	3,293	68	718	50	15	55,938	1,620
S.N.N.P.	140,146	40,446	31,536	4,257	5,315	949	*	169,794	38,672
Gambella	10,124	993	2,341	*	65	*	*	17,501	*
Harari	914	824	1,248	*	143	-	-	4,109	*
Addis Ababa	31,123	17,250	2,759	289	4,598	*	-	33,838	3,549
Dire-dawa	3,443	5,065	6,490	127	335	*	69	6,101	*

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

a) Both Rural and Urban Holdings

Geographic Area	CATTLE										
	ALL CATTLE	MALE					FEMALE				
		< 6 Months	6 Mo < 1yr	1yr - <3 yrs	3 - <10 yrs	10 yrs &Over	< 6 Months	6 Mo < 1yr	1yr - <3 yrs	3 - <10 yrs	10 yrs &Over
Ethiopia	41,527,142	2,290,851	1,796,871	2,845,073	10,411,091	847,094	2,471,461	1,994,150	3,564,122	14,407,904	898,525
Tigray	2,668,078	104,699	125,941	184,427	822,475	67,996	115,029	139,442	203,453	854,121	50,495
Afar	345,635	18,218	11,608	14,891	22,153	2,233	30,627	24,612	42,976	168,090	10,228
Amhara.....	10,512,770	455,625	434,475	742,801	3,258,405	382,084	475,036	450,955	812,595	3,237,968	262,826
Oromia	18,035,686	1,099,361	738,968	1,263,554	4,576,945	311,420	1,189,223	804,878	1,527,978	6,155,288	368,070
Somali	512,320	34,435	22,813	31,930	89,550	1,189	39,738	30,232	46,574	208,169	7,689
Benshangul-Gumuz	309,627	15,513	15,299	27,173	75,211	2,313	17,073	16,364	30,570	105,600	4,512
S.N.N.P.	8,831,450	542,778	432,481	559,091	1,511,962	75,133	581,887	509,807	866,379	3,562,344	189,587
Gambella.....	126,198	10,236	8,161	9,105	8,936	303	11,361	8,976	15,413	52,138	1,570
Harari	34,008	2,127	1,734	2,759	6,797	*	2,269	2,195	3,580	11,927	603
Addis Ababa	97,215	3,670	3,027	5,085	31,574	4,372	4,624	4,127	8,419	30,878	1,438
Diredawa.....	54,155	4,191	2,364	4,257	7,083	*	4,595	2,563	6,185	21,381	1,505

b) Rural Holdings

Geographic Area	CATTLE										
	ALL CATTLE	MALE					FEMALE				
		< 6 Months	6 Mo < 1yr	1yr - <3 yrs	3 - <10 yrs	10 yrs &Over	< 6 Months	6 Mo < 1yr	1yr - <3 yrs	3 - <10 yrs	10 yrs &Over
Ethiopia	40,638,801	2,229,034	1,752,186	2,786,677	10,262,454	839,405	2,407,443	1,944,496	3,484,224	14,049,376	883,506
Tigray	2,619,540	102,301	123,190	180,957	812,398	67,434	112,382	136,538	199,203	835,426	49,712
Afar	336,002	17,596	11,252	14,459	21,766	2,197	29,356	23,809	41,758	163,830	9,979
Amhara.....	10,360,069	445,531	426,600	731,918	3,233,762	379,953	465,257	442,440	797,940	3,177,772	258,896
Oromia	17,583,777	1,066,678	717,406	1,233,378	4,491,987	307,232	1,155,890	781,739	1,490,860	5,977,929	360,680
Somali	495,403	33,159	21,799	30,926	88,001	1,156	38,137	29,119	45,078	200,435	7,592
Benshangul-Gumuz	286,735	14,278	13,903	24,798	71,299	2,238	15,579	15,063	28,262	96,960	4,356
S.N.N.P.	8,691,304	532,355	424,976	551,434	1,494,305	74,705	571,955	500,802	852,396	3,500,622	187,753
Gambella.....	116,074	9,348	7,553	8,547	7,906	272	10,178	8,280	14,638	47,825	1,527
Harari	33,094	2,081	1,690	2,677	6,640	*	2,228	2,156	3,444	11,576	586
Addis Ababa	66,091	1,804	1,603	3,563	27,524	4,176	2,242	2,211	4,878	17,067	1,023
Diredawa.....	50,712	3,904	2,214	4,021	6,868	*	4,239	2,338	5,767	19,934	1,403

c) Urban Holdings

Geographic Area	CATTLE										
	ALL CATTLE	MALE					FEMALE				
		< 6 Months	6 Mo < 1yr	1yr - <3 yrs	3yrs - <10 yrs	10 yrs &Over	< 6 Months	6 Mo < 1yr	1yr - <3 yrs	3yrs - <10 yrs	10 yrs &Over
Ethiopia	888,341	61,817	44,685	58,396	148,637	7,689	64,018	49,654	79,898	358,528	15,019
Tigray	48,538	2,398	2,750	3,470	10,078	563	2,647	2,904	4,249	18,695	784
Afar	9,633	623	356	432	387	36	1,272	803	1,219	4,259	248
Amhara.....	152,701	10,094	7,875	10,883	24,643	2,131	9,779	8,514	14,655	60,197	3,930
Oromia	451,908	32,683	21,562	30,176	84,959	4,189	33,333	23,140	37,117	177,360	7,390
Somali	16,917	1,276	1,014	1,004	1,549	33	1,601	1,113	1,496	7,734	97
Benshangul-Gumuz	22,892	1,234	1,397	2,375	3,912	74	1,494	1,301	2,308	8,640	156
S.N.N.P.	140,146	10,423	7,505	7,657	17,657	428	9,932	9,005	13,983	61,722	1,834
Gambella.....	10,124	888	608	558	1,030	*	1,184	695	774	4,313	43
Harari	914	46	44	82	157	-	40	39	136	351	18
Addis Ababa	31,123	1,866	1,424	1,522	4,050	196	2,382	1,916	3,542	13,811	415
Diredawa.....	3,443	287	150	235	215	*	355	225	418	1,447	103

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

a) Both Rural and Urban Holdings

Geographic Area	SHEEP								
	ALL SHEEP	MALE				FEMALE			
		< 6 Months	6 Mo < 1yr	1yr - <2 yrs	2 yrs &Over	< 6 Months	6 Mo < 1yr	1yr - <2 yrs	2 yrs &Over
Ethiopia	14,655,566	1,902,873	700,544	490,366	807,270	2,030,873	1,021,151	1,250,141	6,452,347
Tigray	687,212	87,271	32,988	21,076	36,956	91,916	44,730	65,425	306,849
Afar	160,385	11,254	6,714	6,484	11,874	18,473	15,470	18,640	71,475
Amhara.....	5,320,330	702,371	238,478	160,843	274,165	730,689	339,578	401,189	2,473,016
Oromia	4,691,016	696,555	225,658	133,028	171,357	737,719	311,283	379,042	2,036,374
Somali	454,821	38,476	23,874	23,507	44,855	44,095	40,032	45,936	194,044
Benshangul-Gumuz	58,770	7,938	3,617	2,247	3,128	8,484	4,832	5,759	22,765
S.N.N.P.	3,169,816	342,898	164,322	138,727	258,800	384,010	255,406	322,553	1,303,098
Gambella.....	43,746	6,208	944	699	1,245	6,364	5,624	5,792	16,869
Harari	5,774	655	408	453	540	567	331	503	2,316
Addis Ababa	29,682	4,243	1,697	1,302	2,145	4,034	2,090	2,249	11,923
Diredawa.....	34,015	5,003	1,846	1,998	2,204	4,521	1,775	3,051	13,616

b) Rural Holdings

Geographic Area	SHEEP								
	ALL SHEEP	MALE				FEMALE			
		< 6 Months	6 Mo < 1yr	1yr - <2 yrs	2 yrs &Over	< 6 Months	6 Mo < 1yr	1yr - <2 yrs	2 yrs &Over
Ethiopia	14,321,787	1,859,917	679,412	473,538	779,751	1,989,554	999,639	1,225,042	6,314,934
Tigray	670,801	85,163	32,018	20,529	35,924	90,122	43,659	63,898	299,487
Afar	151,794	10,424	5,653	5,395	10,352	17,714	14,931	17,998	69,328
Amhara.....	5,232,302	690,736	232,514	156,198	267,086	720,011	334,446	395,503	2,435,807
Oromia	4,565,365	679,896	217,859	126,874	160,838	721,412	303,382	369,856	1,985,248
Somali	430,539	36,467	22,767	22,174	42,044	41,293	38,312	43,708	183,775
Benshangul-Gumuz	52,532	6,945	3,012	2,026	2,900	7,736	4,256	5,441	20,214
S.N.N.P.	3,129,369	337,564	162,267	137,021	255,923	379,063	252,620	318,946	1,285,966
Gambella.....	42,753	6,109	919	653	1,085	6,288	5,517	5,714	16,467
Harari	4,949	569	344	419	508	456	268	435	1,950
Addis Ababa	12,432	1,858	555	503	1,235	1,577	903	953	4,848
Diredawa.....	28,950	4,186	1,502	1,745	1,855	3,882	1,344	2,591	11,844

c) Urban Holdings

Geographic Area	SHEEP								
	ALL SHEEP	MALE				FEMALE			
		< 6 Months	6 Mo < 1yr	1yr - <2 yrs	2 yrs &Over	< 6 Months	6 Mo < 1yr	1yr - <2 yrs	2 yrs &Over
Ethiopia	333,778	42,956	21,132	16,829	27,519	41,319	21,512	25,099	137,413
Tigray	16,411	2,108	969	547	1,032	1,795	1,071	1,528	7,362
Afar	8,591	830	1,061	1,090	1,523	760	539	642	2,147
Amhara.....	88,028	11,636	5,963	4,645	7,079	10,678	5,132	5,686	37,209
Oromia	125,651	16,659	7,799	6,154	10,519	16,307	7,901	9,186	51,126
Somali	24,282	2,009	1,107	1,333	2,811	2,803	1,720	2,229	10,269
Benshangul-Gumuz	6,238	993	605	221	227	747	575	318	2,551
S.N.N.P.	40,446	5,335	2,055	1,706	2,877	4,947	2,786	3,607	17,133
Gambella.....	993	*	*	46	160	*	107	78	403
Harari	824	86	63	34	33	111	63	69	366
Addis Ababa	17,250	2,385	1,142	799	910	2,456	1,187	1,296	7,075
Diredawa.....	5,065	817	343	253	349	639	431	460	1,772

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

a) Both Rural and Urban Holdings

Geographic Area	GOATS								
	ALL GOATS	MALE				FEMALE			
		< 6 Months	6 Mo < 1yr	1yr - <2 yrs	2 yrs &Over	< 6 Months	6 Mo < 1yr	1yr - <2 yrs	2 yrs &Over
Ethiopia	13,661,562	1,665,462	793,170	669,753	1,135,966	1,797,217	1,054,913	1,299,388	5,245,693
Tigray	1,759,126	205,150	95,616	88,044	146,656	216,753	131,817	174,656	700,436
Afar	307,456	19,227	13,607	12,731	20,790	35,607	30,153	43,406	131,935
Amhara.....	3,815,859	507,609	226,339	186,101	344,041	526,309	263,286	320,164	1,442,010
Oromia	4,174,968	579,406	241,803	179,097	265,792	607,065	319,019	370,733	1,612,053
Somali	574,561	54,407	27,101	23,314	50,164	65,556	49,559	57,358	247,102
Benshangul-Gumuz	200,472	24,046	11,515	7,678	11,815	29,007	20,039	22,538	73,832
S.N.N.P.	2,651,077	250,996	168,257	165,940	289,952	290,847	224,007	291,195	969,882
Gambella.....	49,076	6,464	1,385	1,396	1,249	7,923	6,978	7,274	16,406
Harari	19,098	2,541	1,234	1,111	845	2,399	1,453	1,709	7,807
Addis Ababa	*	2,122	*	*	1,296	1,670	*	1,613	*
Diredawa.....	91,007	13,494	4,145	3,420	3,367	14,081	6,172	8,741	37,588

b) Rural Holdings

Geographic Area	GOATS								
	ALL GOATS	MALE				FEMALE			
		< 6 Months	6 Mo < 1yr	1yr - <2 yrs	2 yrs &Over	< 6 Months	6 Mo < 1yr	1yr - <2 yrs	2 yrs &Over
Ethiopia	13,464,825	1,641,626	781,279	659,905	1,117,982	1,773,724	1,040,310	1,281,680	5,168,319
Tigray	1,748,296	203,947	95,032	87,578	145,846	215,557	131,002	173,660	695,675
Afar	291,014	17,639	12,542	11,919	19,791	33,447	28,393	41,273	126,011
Amhara.....	3,800,802	505,600	225,443	185,418	342,920	524,397	262,210	319,018	1,435,796
Oromia	4,101,687	569,807	237,233	175,025	258,248	598,017	314,093	364,643	1,584,620
Somali	541,103	51,071	25,619	22,039	46,744	61,993	47,368	54,284	231,985
Benshangul-Gumuz	197,179	23,483	11,322	7,604	11,519	28,575	19,821	22,356	72,498
S.N.N.P.	2,619,541	247,389	165,880	163,907	286,823	287,502	221,510	288,312	958,219
Gambella.....	46,735	6,171	1,290	1,327	1,070	7,573	6,776	7,100	15,428
Harari	17,850	2,389	1,149	1,050	743	2,228	1,348	1,614	7,330
Addis Ababa	*	1,704	*	*	*	1,311	*	*	*
Diredawa.....	84,517	12,427	3,792	3,175	3,150	13,124	5,671	8,054	35,123

c) Urban Holdings

Geographic Area	GOATS								
	ALL GOATS	MALE				FEMALE			
		< 6 Months	6 Mo < 1yr	1yr - <2 yrs	2 yrs &Over	< 6 Months	6 Mo < 1yr	1yr - <2 yrs	2 yrs &Over
Ethiopia	196,737	23,836	11,891	9,848	17,984	23,493	14,603	17,708	77,374
Tigray	10,830	1,203	584	466	809	1,196	815	996	4,761
Afar	16,443	1,588	1,065	812	999	2,160	1,760	2,133	5,924
Amhara.....	15,057	2,009	895	683	1,121	1,912	1,076	1,146	6,214
Oromia	73,281	9,599	4,570	4,072	7,545	9,048	4,926	6,090	27,432
Somali	33,458	3,335	1,482	1,275	3,420	3,563	2,192	3,074	15,117
Benshangul-Gumuz.....	3,293	563	193	74	296	432	218	182	1,334
S.N.N.P.	31,536	3,607	2,378	2,034	3,129	3,344	2,497	2,883	11,663
Gambella.....	2,341	294	95	69	179	350	202	174	978
Harari.....	1,248	152	86	61	102	171	105	95	477
Addis Ababa.....	2,759	418	190	*	168	359	311	247	1,008
Diredawa.....	6,490	1,067	353	245	216	957	501	687	2,465

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

a) Both Rural and Urban Holdings

Geographic Area	HORSES AND ASSES									
	ALL HORSES	HORSES				ALL ASSES	ASSES			
		MALE		FEMALE			MALE		FEMALE	
		< 3 Years	3 Yrs & more	< 3 Years	3 Yrs & more		< 3 Years	3 Yrs & more	< 3 Years	3 Yrs & more
Ethiopia	1,504,208	174,600	567,335	173,435	588,838	3,962,969	495,078	1,340,918	498,736	1,628,237
Tigray	7,598	1,342	4,493	274	1,488	403,517	43,898	171,132	41,849	146,638
Afar	55	-	55	-	-	11,467	2,048	2,984	1,423	5,012
Amhara.....	306,443	35,776	99,480	38,313	132,873	1,465,021	213,425	392,813	225,957	632,826
Oromia	894,404	108,885	343,706	105,436	336,377	1,626,263	191,922	581,572	188,294	664,475
Somali	51	-	40	-	11	84,636	9,179	34,845	8,006	32,605
Benshangul-Gumuz	559	*	186	*	255	30,952	3,509	17,577	2,566	7,301
S.N.N.P.	292,496	28,346	117,002	29,353	117,795	305,089	28,995	116,411	28,639	131,045
Gambella.....	338	-	338	-	-	264	*	198	-	59
Harari	*	-	*	-	-	6,203	476	3,304	428	1,995
Addis Ababa	2,135	*	1,905	*	*	19,623	649	16,540	602	1,832
Dire-dawa.....	127	-	127	-	-	9,934	969	3,544	972	4,450

b) Rural Holdings

Geographic Area	HORSES AND ASSES									
	ALL HORSES	HORSES				ALL ASSES	ASSES			
		MALE		FEMALE			MALE		FEMALE	
		< 3 Years	3 Yrs & more	< 3 Years	3 Yrs & more		< 3 Years	3 Yrs & more	< 3 Years	3 Yrs & more
Ethiopia	1,483,428	173,256	554,148	172,248	583,776	3,901,201	490,288	1,304,229	494,427	1,612,257
Tigray	7,458	1,324	4,383	272	1,478	397,198	43,505	166,522	41,547	145,623
Afar	-	-	-	-	-	10,961	2,018	2,576	1,410	4,958
Amhara.....	304,205	35,623	97,954	38,217	132,412	1,453,894	212,443	386,325	225,167	629,960
Oromia	880,855	107,996	335,006	104,679	333,175	1,596,067	189,331	565,262	185,943	655,532
Somali	-	-	-	-	-	82,187	9,037	33,324	7,854	31,973
Benshangul-Gumuz	491	*	148	*	233	30,234	3,455	17,069	2,524	7,186
S.N.N.P.	288,240	28,071	114,693	29,025	116,451	299,775	28,673	113,287	28,248	129,567
Gambella.....	333	-	333	-	-	199	-	146	-	54
Harari	-	-	-	-	-	6,060	469	3,175	427	1,988
Addis Ababa	1,846	*	1,631	*	*	15,025	425	13,173	363	1,064
Dire-dawa.....	-	-	-	-	-	9,600	933	3,369	946	4,350

c) Urban Holdings

Geographic Area	HORSES AND ASSES									
	ALL HORSES	HORSES				ALL ASSES	ASSES			
		MALE		FEMALE			MALE		FEMALE	
		< 3 Years	3 Yrs & more	< 3 Years	3 Yrs & more		< 3 Years	3 Yrs & more	< 3 Years	3 Yrs & more
Ethiopia	20,780	1,344	13,186	1,188	5,062	61,768	4,790	36,689	4,309	15,980
Tigray	140	*	110	*	10	6,319	393	4,610	302	1,014
Afar	55	-	55	-	-	505	31	408	13	53
Amhara.....	2,238	153	1,526	97	461	11,127	983	6,488	790	2,866
Oromia	13,549	890	8,700	757	3,202	30,195	2,591	16,310	2,351	8,943
Somali	51	-	40	-	11	2,448	142	1,521	153	632
Benshangul-Gumuz	68	*	38	*	*	718	54	507	42	115
S.N.N.P.	4,257	276	2,309	328	1,344	5,315	322	3,124	391	1,478
Gambella.....	*	-	*	-	-	65	*	52	-	*
Harari	*	-	*	-	-	143	*	128	*	*
Addis Ababa	289	*	274	-	*	4,598	224	3,366	239	768
Dire-dawa.....	127	-	127	-	-	335	36	174	25	99

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

a) Both rural and Urban Holdings

Geographic Area	MULES					CAMELS				
	All Mules	MALE		FEMALE		All Camels	MALE		FEMALE	
		< 3 Years	3 Years and Older	< 3 Years	3 Years and Older		< 4 Years	4 Years and Older	< 4 Years	4 Years and Older
Ethiopia	354,120	22,773	150,976	27,010	153,362	482,760	54,055	136,012	68,409	224,284
Tigray	16,418	274	6,355	366	9,423	39,791	2,873	36,638	*	183
Afar	255	-	129	-	126	92,264	6,174	14,800	16,870	54,419
Amhara.....	105,514	8,849	39,830	12,538	44,298	28,475	3,072	20,704	*	4,570
Oromia	158,440	9,888	69,146	10,936	68,470	167,702	23,982	28,023	29,662	86,035
Somali	633	-	581	43	*	128,703	16,009	29,809	19,872	63,013
Benshangul-Gumuz	1,394	*	613	*	756	15	-	15	-	-
S.N.N.P.	70,365	3,644	33,621	3,042	30,058	17,027	472	2,807	*	13,084
Gambella.....	*	-	*	-	*	*	-	*	-	-
Harari	*	-	*	-	-	*	*	*	*	*
Addis Ababa	809	*	*	-	*	-	-	-	-	-
Diredawa.....	*	*	*	*	*	7,260	1,252	3,109	789	2,111

b) Rural Holdings

Geographic Area	MULES					CAMELS				
	All Mules	MALE		FEMALE		All Camels	MALE		FEMALE	
		< 3 Years	3 Years and Older	< 3 Years	3 Years and Older		< 4 Years	4 Years and Older	< 4 Years	4 Years and Older
Ethiopia	349,330	22,597	148,632	26,853	151,248	475,117	53,477	133,680	67,316	220,645
Tigray	16,285	274	6,311	362	9,337	39,122	2,836	36,029	*	*
Afar	252	-	125	-	126	89,075	6,020	14,507	16,240	52,308
Amhara.....	103,990	8,814	39,106	12,490	43,581	27,793	3,014	20,080	*	4,570
Oromia	156,342	9,787	68,067	10,877	67,611	166,976	23,858	27,959	29,528	85,631
Somali	633	-	581	43	*	126,424	15,810	29,136	19,554	61,925
Benshangul-Gumuz	1,344	*	586	*	737	-	-	-	-	-
S.N.N.P.	69,416	3,611	33,174	2,998	29,633	17,016	471	2,804	*	13,079
Gambella.....	-	-	-	-	-	-	-	-	-	-
Harari	*	-	*	-	-	*	*	*	*	*
Addis Ababa	800	*	*	-	*	-	-	-	-	-
Diredawa.....	*	*	-	*	*	7,192	1,248	3,062	786	2,095

c) Urban Holdings

Geographic Area	MULES					CAMELS				
	All Mules	MALE		FEMALE		All Camels	MALE		FEMALE	
		< 3 Years	3 Years and Older	< 3 Years	3 Years and Older		< 4 Years	4 Years and Older	< 4 Years	4 Years and Older
Ethiopia	4,790	176	2,344	156	2,114	7,643	578	2,332	1,093	3,640
Tigray	133	-	44	*	85	669	37	609	*	16
Afar	*	-	*	-	-	3,189	154	293	630	2,112
Amhara.....	1,524	35	724	48	717	682	58	624	-	-
Oromia	2,099	100	1,080	60	859	725	124	64	134	404
Somali	-	-	-	-	-	2,279	199	673	318	1,088
Benshangul-Gumuz	50	*	27	-	*	15	-	15	-	-
S.N.N.P.	949	32	447	44	425	*	*	*	*	*
Gambella.....	*	-	*	-	*	*	-	*	-	-
Harari	-	-	-	-	-	-	-	-	-	-
Addis Ababa	*	-	*	-	-	-	-	-	-	-
Diredawa.....	*	*	*	-	-	69	*	*	*	*

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

a) Both Rural and Urban Holdings

Geographic Area	CATTLE AGED 3 – 10 YEARS									
	Total	MALE				FEMALE				
		Draught	Beef	Breeding	Other	Milk	Draught	Beef	Breeding	Other
Ethiopia	24,818,995	9,322,045	248,456	606,618	233,973	8,310,427	180,635	74,253	5,216,820	625,768
Tigray	1,676,596	775,004	5,945	31,792	9,734	290,038	8,465	6,086	537,381	12,150
Afar	190,242	9,561	512	11,715	364	111,488	197	*	48,988	7,175
Amhara.....	6,496,374	3,079,655	32,287	92,960	53,503	1,062,223	85,869	18,851	1,968,865	102,160
Oromia	10,732,234	4,141,135	120,839	214,349	100,623	3,988,280	65,408	29,617	1,854,784	217,199
Somali	297,719	70,024	4,341	13,829	1,356	107,305	1,394	1,429	94,819	3,223
Benshangul-Gumuz	180,810	67,553	1,289	4,676	1,693	66,031	1,766	608	34,801	2,394
S.N.N.P.	5,074,306	1,137,257	75,087	233,602	66,016	2,599,452	16,987	16,169	652,030	277,706
Gambella.....	61,074	1,198	5,070	2,470	199	40,905	*	809	9,306	1,095
Harari	18,724	5,911	755	126	*	8,202	*	*	2,952	683
Addis Ababa	62,452	28,809	1,676	677	413	17,730	*	406	11,182	1,174
Diredawa.....	28,464	5,940	655	423	*	18,774	*	*	1,711	809

b) Rural Holdings

Geographic Area	CATTLE AGED 3 – 10 YEARS									
	Total	MALE				FEMALE				
		Draught	Beef	Breeding	Other	Milk	Draught	Beef	Breeding	Other
Ethiopia	24,311,830	9,199,795	238,192	596,796	227,671	8,066,601	178,864	71,717	5,120,202	611,992
Tigray	1,647,823	766,183	5,780	31,018	9,416	283,465	8,406	6,014	525,707	11,835
Afar	185,596	9,494	492	11,426	354	108,718	169	*	47,689	7,015
Amhara.....	6,411,534	3,058,916	31,213	91,385	52,248	1,031,765	85,488	18,408	1,941,706	100,404
Oromia	10,469,915	4,071,337	113,184	210,110	97,356	3,859,610	64,626	28,150	1,813,674	211,869
Somali	288,436	69,332	4,139	13,210	1,319	102,343	1,391	1,423	92,127	3,151
Benshangul-Gumuz	168,259	64,174	1,243	4,305	1,577	60,550	1,569	580	32,106	2,154
S.N.N.P.	4,994,927	1,122,291	74,519	232,625	64,870	2,549,875	16,712	15,959	645,261	272,814
Gambella.....	55,731	982	4,885	1,852	187	37,401	*	801	8,946	662
Harari	18,215	5,814	717	*	-	7,984	*	*	2,832	669
Addis Ababa	44,591	25,429	1,413	394	287	7,267	*	106	8,693	649
Diredawa.....	26,802	5,843	606	361	*	17,623	*	*	1,460	770

c) Urban Holdings

Geographic Area	CATTLE AGED 3 – 10 YEARS									
	Total	MALE				FEMALE				
		Draught	Beef	Breeding	Other	Milk	Draught	Beef	Breeding	Other
Ethiopia	507,165	122,250	10,264	9,822	6,301	243,826	1,771	2,537	96,618	13,777
Tigray	28,773	8,821	165	773	318	6,574	59	72	11,675	316
Afar	4,646	67	20	289	10	2,770	*	*	1,299	160
Amhara.....	84,839	20,739	1,074	1,575	1,255	30,458	381	443	27,159	1,756
Oromia	262,319	69,798	7,655	4,239	3,267	128,670	782	1,467	41,110	5,330
Somali	9,283	691	202	619	37	4,961	*	*	2,691	72
Benshangul-Gumuz	12,552	3,379	46	371	116	5,481	*	28	2,695	240
S.N.N.P.	79,379	14,966	569	977	1,146	49,577	275	209	6,768	4,892
Gambella.....	5,343	216	*	618	*	3,504	*	*	361	433
Harari	509	96	38	18	*	218	-	-	119	*
Addis Ababa	17,862	3,379	263	282	126	10,463	*	300	2,489	526
Diredawa.....	1,662	97	48	62	*	1,150	*	-	251	*

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

a) Both Rural and Urban Holdings

Geographic Area	SHEEP AGED 2 YEARS AND OLDER								
	Total	MALE				FEMALE			
		Mutton/Meat	Wool	Breeding	Other	Mutton/Meat	Wool	Breeding	Other
Ethiopia	7,259,617	292,060	5,443	446,366	63,401	69,969	33,176	6,286,991	62,210
Tigray	343,805	6,971	411	27,394	2,180	4,156	3,488	296,381	2,825
Afar	83,350	1,843	*	9,381	322	1,082	*	68,921	279
Amhara.....	2,747,181	108,107	2,512	122,214	41,333	22,470	11,790	2,418,893	19,862
Oromia	2,207,731	84,744	1,201	74,334	11,078	22,019	9,414	1,990,838	14,102
Somali	238,900	14,224	*	29,691	647	2,890	2,011	188,645	499
Benshangul-Gumuz	25,893	829	-	2,102	197	381	*	22,178	176
S.N.N.P.	1,561,898	72,082	656	178,599	7,463	16,503	5,099	1,257,264	24,232
Gambella.....	18,114	275	-	927	*	148	*	16,537	168
Harari	2,856	295	*	132	113	*	*	2,247	*
Addis Ababa	14,068	1,470	-	653	*	205	59	11,617	*
Dire-dawa.....	15,820	1,220	*	940	*	*	*	13,470	*

b) Rural Holdings

Geographic Area	SHEEP AGED 2 YEARS AND OLDER								
	Total	MALE				FEMALE			
		Mutton/Meat	Wool	Breeding	Other	Mutton/Meat	Wool	Breeding	Other
Ethiopia	7,094,685	276,386	5,333	435,989	62,043	67,814	32,366	6,153,217	61,538
Tigray	335,412	6,716	405	26,729	2,073	4,092	3,460	289,160	2,775
Afar	79,680	1,239	*	8,535	255	1,012	*	66,867	270
Amhara.....	2,702,893	103,439	2,484	120,231	40,933	21,810	11,588	2,382,711	19,698
Oromia	2,146,086	78,148	1,146	71,035	10,509	21,277	9,008	1,941,101	13,861
Somali	225,819	13,130	*	28,049	577	2,594	1,989	178,764	428
Benshangul-Gumuz	23,114	700	-	2,025	175	367	*	19,677	*
S.N.N.P.	1,541,889	70,598	651	177,326	7,349	16,349	5,026	1,240,435	24,155
Gambella.....	17,552	241	-	801	*	121	*	16,166	168
Harari	2,458	284	-	111	113	*	*	1,892	-
Addis Ababa	6,084	*	-	314	*	86	*	4,711	*
Dire-dawa.....	13,699	985	*	833	-	*	*	11,734	-

c) Urban Holdings

Geographic Area	SHEEP AGED 2 YEARS AND OLDER								
	Total	MALE				FEMALE			
		Mutton/Meat	Wool	Breeding	Other	Mutton/Meat	Wool	Breeding	Other
Ethiopia	164,932	15,674	110	10,377	1,358	2,155	810	133,774	673
Tigray	8,394	255	*	665	106	63	27	7,221	*
Afar	3,670	604	*	846	67	70	*	2,054	*
Amhara.....	44,287	4,668	28	1,983	400	660	203	36,182	164
Oromia	61,645	6,596	55	3,299	569	742	406	49,737	241
Somali	13,081	1,094	*	1,642	70	296	*	9,881	71
Benshangul-Gumuz	2,779	129	-	77	*	*	-	2,501	37
S.N.N.P.	20,009	1,484	*	1,274	114	154	72	16,829	77
Gambella.....	562	*	-	*	-	*	*	371	-
Harari	399	11	*	20	-	*	*	355	*
Addis Ababa	7,985	564	-	339	*	119	49	6,906	-
Dire-dawa.....	2,121	235	*	107	*	*	*	1,737	*

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

a) Both Rural and Urban Holdings

Geographic Area	GOATS AGED 2 YEARS AND OLDER							
	Total	MALE			FEMALE			
		Meat	Breeding	Other	Meat	Milk	Breeding	Other
Ethiopia	6,381,659	458,732	618,442	58,793	70,766	675,732	4,451,657	47,538
Tigray	847,092	37,922	99,385	9,349	12,281	26,057	655,957	6,142
Afar	152,725	3,287	16,775	*	963	59,818	70,532	622
Amhara.....	1,786,052	199,948	120,194	23,900	22,654	*	1,319,554	20,498
Oromia	1,877,845	120,665	131,554	13,573	18,986	264,324	1,318,188	10,555
Somali	297,266	15,461	33,642	1,062	2,952	57,020	186,179	951
Benshangul-Gumuz	85,647	3,129	8,356	331	1,076	509	71,498	750
S.N.N.P.	1,259,833	75,453	204,772	9,727	11,423	180,233	770,362	7,864
Gambella.....	17,655	352	855	*	115	5,783	10,447	61
Harari	8,652	531	232	*	*	980	6,688	*
Addis Ababa	*	489	*	-	61	*	*	-
Diredawa.....	40,954	1,494	1,871	*	152	1,694	35,682	*

b) Rural Holdings

Geographic Area	GOATS AGED 2 YEARS AND OLDER							
	Total	MALE			FEMALE			
		Meat	Breeding	Other	Meat	Milk	Breeding	Other
Ethiopia	6,286,301	450,549	609,385	58,049	69,474	666,101	4,385,635	47,109
Tigray	841,522	37,761	98,769	9,316	12,224	25,901	651,427	6,124
Afar	145,801	2,990	16,097	*	841	57,012	67,549	609
Amhara.....	1,778,717	199,257	119,818	23,845	22,444	*	1,313,660	20,435
Oromia	1,842,868	116,508	128,418	13,321	18,653	262,824	1,292,696	10,448
Somali	278,729	14,513	31,286	945	2,615	53,480	175,092	798
Benshangul-Gumuz	84,017	2,947	8,245	326	1,076	501	70,190	732
S.N.N.P.	1,245,041	74,007	203,349	9,467	11,281	179,259	759,874	7,805
Gambella.....	16,498	309	719	*	110	5,505	9,753	61
Harari	8,073	476	184	*	*	943	6,248	*
Addis Ababa	*	393	*	-	*	*	*	-
Diredawa.....	38,273	1,386	1,764	-	*	1,413	33,553	*

c) Urban Holdings

Geographic Area	GOATS AGED 2 YEARS AND OLDER							
	Total	MALE			FEMALE			
		Meat	Breeding	Other	Meat	Milk	Breeding	Other
Ethiopia	95,358	8,183	9,057	744	1,292	9,631	66,022	429
Tigray	5,571	161	616	*	*	157	4,529	18
Afar	6,924	297	678	24	122	2,806	2,983	13
Amhara.....	7,335	691	376	55	210	49	5,894	62
Oromia	34,977	4,157	3,136	251	333	1,501	25,492	107
Somali	18,537	948	2,356	116	337	3,540	11,087	*
Benshangul-Gumuz	1,630	*	110	*	-	8	1,309	17
S.N.N.P.	14,792	1,446	1,423	260	142	974	10,488	59
Gambella.....	1,157	*	136	-	*	278	695	-
Harari	579	54	48	-	-	37	440	-
Addis Ababa	1,175	96	71	-	30	-	978	-
Diredawa.....	2,681	108	107	*	*	281	2,129	-

TABLE 7-10: HORSES AGED 3 YEARS AND OLDER BY SEX, PURPOSE, AND REGION

a) Both Rural and Urban Holdings

Geographic Area	HORSES AGED 3 YEARS AND OLDER						
	Total	MALE			FEMALE		
		Transportation	Draught	Other	Transportation	Draught	Other
Ethiopia	1,156,173	485,639	72,723	8,974	358,017	88,218	142,603
Tigray	5,981	4,389	*	79	712	468	*
Afar	55	55	-	-	-	-	-
Amhara.....	232,353	40,370	57,342	1,768	29,580	54,330	48,962
Oromia	680,083	330,606	8,645	4,455	253,999	16,477	65,901
Somali	51	40	-	-	11	-	-
Benshangul-Gumuz	441	182	*	-	92	*	148
S.N.N.P.	234,797	107,639	6,706	2,657	73,584	16,928	27,283
Gambella.....	338	338	-	-	-	-	-
Harari	*	*	-	-	-	-	-
Addis Ababa	1,944	1,892	-	*	*	-	-
Dire-dawa.....	127	125	-	*	-	-	-

b) Rural Holdings

Geographic Area	HORSES AGED 3 YEARS AND OLDER						
	TOTAL	MALE			FEMALE		
		Transportation	Draught	Other	Transportation	Draught	Other
Ethiopia	1,137,924	473,543	72,086	8,520	354,783	87,660	141,333
Tigray	5,861	4,287	*	78	708	466	*
Afar	-	-	-	-	-	-	-
Amhara.....	230,366	39,349	56,922	1,683	29,451	54,202	48,759
Oromia	668,181	322,322	8,509	4,175	251,553	16,297	65,325
Somali	-	-	-	-	-	-	-
Benshangul-Gumuz	381	148	-	-	77	*	141
S.N.N.P.	231,144	105,485	6,636	2,572	72,967	16,680	26,804
Gambella.....	333	333	-	-	-	-	-
Harari	-	-	-	-	-	-	-
Addis Ababa	1,659	1,618	-	*	*	-	-
Dire-dawa.....	-	-	-	-	-	-	-

c) Urban Holdings

Geographic Area	HORSES AGED 3 YEARS AND OLDER						
	TOTAL	MALE			FEMALE		
		Transportation	Draught	Other	Transportation	Draught	Other
Ethiopia	18,249	12,096	637	454	3,234	558	1,270
Tigray	120	102	*	*	*	*	4
Afar	55	55	-	-	-	-	-
Amhara.....	1,988	1,021	420	85	129	128	204
Oromia	11,902	8,284	136	280	2,446	180	576
Somali	51	40	-	-	11	-	-
Benshangul-Gumuz	60	34	*	-	*	-	*
S.N.N.P.	3,653	2,154	69	86	617	248	479
Gambella.....	*	*	-	-	-	-	-
Harari	*	*	-	-	-	-	-
Addis Ababa	285	274	-	-	*	-	-
Dire-dawa.....	127	125	-	*	-	-	-

TABLE 7-11: ASSES AGED 3 YEARS AND OLDER BY SEX, PURPOSE, AND REGION

a) Both Rural and Urban Holdings

Geographic Area	ASSES AGED 3 YEARS AND OLDER						
	TOTAL	MALE			FEMALE		
		Transportation	Draught	Other	Transportation	Draught	Other
Ethiopia	2,969,155	1,066,646	242,231	32,041	1,253,065	308,550	66,622
Tigray	317,770	119,885	47,611	3,636	101,831	38,732	6,075
Afar	7,995	2,938	*	*	4,884	*	*
Amhara.....	1,025,639	304,600	76,805	11,408	447,055	150,029	35,743
Oromia	1,246,047	475,766	93,905	11,901	545,580	100,679	18,216
Somali	67,450	33,707	826	313	31,711	420	474
Benshangul-Gumuz	24,877	12,455	4,670	452	5,509	1,013	778
S.N.N.P.	247,456	106,106	6,303	4,002	111,604	14,463	4,977
Gambella.....	256	198	-	-	54	*	-
Harari	5,299	1,887	1,317	*	1,291	572	*
Addis Ababa	18,372	7,710	*	204	1,166	666	-
Dire-dawa.....	7,994	1,393	2,147	*	2,381	1,963	*

b) Rural Holdings

Geographic Area	ASSES AGED 3 YEARS AND OLDER						
	TOTAL	MALE			FEMALE		
		Transportation	Draught	Other	Transportation	Draught	Other
Ethiopia	2,916,485	1,036,369	237,561	30,298	1,240,224	306,032	66,000
Tigray	312,145	116,319	46,852	3,351	101,051	38,525	6,047
Afar	7,534	2,536	*	*	4,835	*	*
Amhara.....	1,016,285	299,973	75,467	10,885	445,013	149,383	35,563
Oromia	1,220,794	461,789	91,981	11,492	538,277	99,333	17,922
Somali	65,297	32,231	806	287	31,086	420	467
Benshangul-Gumuz	24,255	12,061	4,595	414	5,426	994	765
S.N.N.P.	242,855	103,314	6,176	3,797	110,284	14,395	4,889
Gambella.....	199	146	-	-	54	-	-
Harari	5,164	1,816	1,310	*	1,291	565	*
Addis Ababa	14,238	4,919	*	*	599	465	-
Dire-dawa.....	7,720	1,265	2,105	-	2,307	1,944	*

c) Urban Holdings

Geographic Area	ASSES AGED 3 YEARS AND OLDER						
	TOTAL	MALE			FEMALE		
		Transportation	Draught	Other	Transportation	Draught	Other
Ethiopia	52,669	30,277	4,670	1,742	12,842	2,517	621
Tigray	5,625	3,566	759	285	779	207	28
Afar	461	402	-	*	48	-	*
Amhara.....	9,354	4,627	1,338	523	2,041	645	180
Oromia	25,253	13,977	1,925	409	7,303	1,346	294
Somali	2,153	1,476	20	*	624	-	*
Benshangul-Gumuz	622	394	75	38	83	19	*
S.N.N.P.	4,601	2,792	126	205	1,321	69	88
Gambella.....	57	52	-	-	-	*	-
Harari	135	*	*	*	-	*	-
Addis Ababa	4,134	2,791	377	198	567	*	-
Dire-dawa.....	274	128	42	*	74	*	*

TABLE 7-12: MULES AGED 3 YEARS AND OLDER BY SEX, PURPOSE, AND REGION

a) Both Rural and Urban Holdings

Geographic Area	MULES AGED 3 YEARS AND OLDER						
	TOTAL	MALE			FEMALE		
		Transportation	Draught	Other	Transportation	Draught	Other
Ethiopia	304,338	139,565	9,898	1,513	144,999	5,967	2,396
Tigray	15,777	5,445	832	*	8,685	531	207
Afar	255	129	-	-	126	-	-
Amhara.....	84,128	32,676	6,479	675	40,254	2,765	1,278
Oromia	137,616	67,374	1,671	101	66,330	1,899	241
Somali	590	527	54	-	*	-	-
Benshangul-Gumuz	1,370	583	*	-	745	*	-
S.N.N.P.	63,680	32,189	773	660	28,700	689	669
Gambella.....	*	*	-	-	*	-	-
Harari	*	-	*	-	-	-	-
Addis Ababa	*	*	*	-	*	-	-
Diredawa.....	*	*	-	-	-	*	-

b) Rural Holdings

Geographic Area	MULES AGED 3 YEARS AND OLDER						
	TOTAL	MALE			FEMALE		
		Transportation	Draught	Other	Transportation	Draught	Other
Ethiopia	299,880	137,483	9,812	1,336	143,072	5,903	2,274
Tigray	15,648	5,404	832	*	8,604	531	203
Afar	252	125	-	-	126	-	-
Amhara.....	82,687	32,144	6,429	533	39,643	2,741	1,197
Oromia	135,678	66,346	1,640	*	65,534	1,860	216
Somali	590	527	54	-	*	-	-
Benshangul-Gumuz	1,323	557	*	-	726	*	-
S.N.N.P.	62,807	31,758	768	647	28,289	687	657
Gambella.....	-	-	-	-	-	-	-
Harari	*	-	*	-	-	-	-
Addis Ababa	*	*	*	-	*	-	-
Diredawa.....	*	-	-	-	-	*	-

c) Urban Holdings

Geographic Area	MULES AGED 3 YEARS AND OLDER						
	TOTAL	MALE			FEMALE		
		Transportation	Draught	Other	Transportation	Draught	Other
Ethiopia	4,458	2,082	86	177	1,927	65	122
Tigray	129	41	-	*	81	-	*
Afar	*	*	-	-	-	-	-
Amhara.....	1,441	533	50	141	611	24	81
Oromia	1,939	1,028	31	*	795	39	25
Somali	-	-	-	-	-	-	-
Benshangul-Gumuz	46	27	-	-	*	-	-
S.N.N.P.	872	431	*	*	411	2	12
Gambella.....	*	*	-	-	*	-	-
Harari	-	-	-	-	-	-	-
Addis Ababa	*	*	-	-	-	-	-
Diredawa.....	*	*	-	-	-	-	-

TABLE 7-13: CAMELS AGED 4 YEARS AND OLDER BY SEX, PURPOSE, AND REGION

a) Both Rural and Urban Holdings

Geographic Area	CAMELS AGED 4 YEARS AND OLDER									
	TOTAL	MALE				FEMALE				
		Transportation	Meat	Draught	Other	Meat	Transportation	Draught	Milk	Others
Ethiopia	360,296	115,616	4,373	3,287	12,735	7,399	13,494	900	174,249	28,243
Tigray	36,820	33,067	-	1,249	2,322	-	*	*	-	*
Afar	69,219	13,535	376	*	832	360	*	*	45,173	*
Amhara	25,274	16,593	*	823	3,233	4,317	*	*	*	-
Oromia	114,058	22,044	2,580	551	2,848	*	3,665	357	68,900	11,594
Somali	92,822	24,852	1,161	399	3,397	1,203	3,495	372	46,606	11,338
Benshangul-Gumuz	15	15	-	-	-	-	-	-	-	-
S.N.N.P.	15,891	2,528	182	-	*	-	2,270	-	10,810	*
Gambella	*	*	-	-	-	-	-	-	-	-
Harari	*	*	*	-	-	-	-	-	*	*
Addis Ababa	-	-	-	-	-	-	-	-	-	-
Dire-dawa	5,219	2,894	-	*	*	-	*	*	2,001	*

b) Rural Holdings

Geographic Area	CAMELS AGED 4 YEARS AND OLDER									
	TOTAL	MALE				FEMALE				
		Transportation	Meat	Draught	Other	Meat	Transportation	Draught	Milk	Others
Ethiopia	354,324	113,807	4,305	3,122	12,446	7,363	13,370	889	171,190	27,833
Tigray	36,195	32,700	-	1,200	2,129	-	*	*	-	*
Afar	66,815	13,265	372	*	821	336	*	*	43,284	*
Amhara	24,650	16,142	*	*	3,159	4,317	*	*	*	-
Oromia	113,590	21,990	2,580	545	2,844	*	3,657	357	68,722	11,376
Somali	91,061	24,249	1,098	396	3,394	1,192	3,426	372	45,627	11,308
Benshangul-Gumuz	-	-	-	-	-	-	-	-	-	-
S.N.N.P.	15,883	2,528	182	-	*	-	2,270	-	10,805	*
Gambella	-	-	-	-	-	-	-	-	-	-
Harari	*	*	*	-	-	-	-	-	*	*
Addis Ababa	-	-	-	-	-	-	-	-	-	-
Dire-dawa	5,157	2,848	-	*	*	-	*	-	1,991	*

c) Urban Holdings

Geographic Area	CAMELS AGED 4 YEARS AND OLDER									
	TOTAL	MALE				FEMALE				
		Transportation	Meat	Draught	Other	Meat	Transportation	Draught	Milk	Others
Ethiopia	5,972	68	165	1,810	289	*	*	3,059	124	410
Tigray	625	-	49	367	193	-	*	-	*	*
Afar	2,405	*	*	270	*	*	-	1,889	43	155
Amhara	624	-	99	451	74	-	-	-	-	-
Oromia	468	-	*	54	*	-	-	177	*	219
Somali	1,761	64	*	602	*	*	-	979	69	*
Benshangul-Gumuz	15	-	-	15	-	-	-	-	-	-
S.N.N.P.	*	-	-	-	*	-	-	*	-	-
Gambella	*	-	-	*	-	-	-	-	-	-
Harari	-	-	-	-	-	-	-	-	-	-
Addis Ababa	-	-	-	-	-	-	-	-	-	-
Dire-dawa	62	-	-	*	-	-	*	*	-	*

TABLE 7-14: POULTRY INVENTORY BY TYPE, AND REGION

a) Both Rural and Urban Holdings

Geographic Area	Total Poultry	Cocks	Cockerels	Pullets	Non-Laying Hens	Chicks	Laying Hens	Avg. Number of Clutches	Avg. Egg Production/Hen/Clutch
Ethiopia	42,915,628	3,776,632	3,281,882	4,663,658	2,159,131	17,897,992	11,136,333	19	12
Tigray	4,999,678	372,110	368,830	512,941	430,062	1,903,905	1,411,830	22	14
Afar	56,376	4,588	3,492	5,691	5,126	24,207	13,273	18	11
Amhara	13,434,878	1,090,532	934,863	1,368,218	622,798	6,261,813	3,156,655	20	12
Oromia	14,784,303	1,450,607	1,161,676	1,556,293	707,679	5,874,179	4,033,869	19	12
Somali	154,746	19,383	11,997	16,391	8,051	42,756	56,169	16	13
Benshangul-Gumuz	961,196	70,591	77,868	120,181	27,901	469,573	195,082	18	12
S.N.N.P.	8,106,038	715,118	686,233	1,034,893	331,645	3,194,299	2,143,850	17	11
Gambella	237,930	32,230	24,970	32,763	17,058	74,123	56,787	16	12
Harari	33,046	4,148	3,430	3,745	1,569	9,893	10,260	18	12
Addis Ababa	100,163	11,731	5,778	7,764	4,994	30,245	39,652	21	15
Diredawa	47,273	5,594	2,745	4,779	2,250	13,000	18,905	19	11

b) Rural Holdings

Geographic Area	Total Poultry	Cocks	Cockerels	Pullets	Non-Laying Hens	Chicks	Laying Hens	Avg. Number of Clutches	Avg. Egg Production/Hen/Clutch
Ethiopia	40,929,629	3,628,062	3,158,193	4,491,021	1,903,043	17,420,187	10,329,121	19	12
Tigray	4,049,478	321,798	316,158	455,290	234,459	1,793,730	928,042	20	13
Afar	50,592	4,027	3,105	5,244	4,432	21,920	11,864	17	11
Amhara	13,139,592	1,072,778	914,751	1,335,721	596,514	6,150,775	3,069,054	20	12
Oromia	14,366,406	1,405,805	1,133,583	1,513,182	687,785	5,731,393	3,894,657	19	12
Somali	125,195	15,475	10,311	13,045	5,669	34,714	45,982	16	13
Benshangul-Gumuz	905,258	66,931	73,732	113,306	27,015	442,767	181,508	16	11
S.N.N.P.	7,936,245	695,371	674,172	1,013,678	325,056	3,136,703	2,091,264	17	11
Gambella	220,430	29,381	23,324	30,193	16,258	68,998	52,276	16	12
Harari	28,936	3,621	3,077	3,271	1,373	8,706	8,888	18	11
Addis Ababa	66,325	8,024	3,490	3,865	2,465	19,593	28,887	20	15
Diredawa	41,172	4,851	2,489	4,226	2,017	10,889	16,699	19	11

c) Urban Holdings

Geographic Area	Total Poultry	Cocks	Cockerels	Pullets	Non-Laying Hens	Chicks	Laying Hens	Avg. Number of Clutches	Avg. Egg Production/Hen/Clutch
Ethiopia	1,986,000	148,570	123,689	172,636	256,088	477,805	807,212	21	14
Tigray	950,200	50,312	52,672	57,651	195,603	110,175	483,788	23	15
Afar	5,785	562	386	447	694	2,287	1,409	21	13
Amhara	295,286	17,754	20,112	32,497	26,285	111,038	87,601	22	14
Oromia	417,897	44,802	28,093	43,111	19,893	142,785	139,213	21	13
Somali	29,552	3,908	1,686	3,346	2,382	8,042	10,187	16	13
Benshangul-Gumuz	55,938	3,660	4,137	6,874	886	26,806	13,574	19	12
S.N.N.P.	169,794	19,747	12,061	21,215	6,589	57,595	52,586	21	14
Gambella	17,501	2,849	1,646	2,570	800	5,126	4,510	14	11
Harari	4,109	527	353	474	196	1,188	1,372	19	13
Addis Ababa	33,838	3,707	2,288	3,898	2,529	10,651	10,765	24	14
Diredawa	6,101	743	255	553	233	2,111	2,206	19	12

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

a) Both Rural and Urban Holdings

Geographic Area	All Beehives		Traditional Beehives			Intermediate Beehives			Modern Beehives		
	Number of hives	Total annual honey production	Number of hives	Avg. frequency of production	Total annual honey production	Number of hives	Avg. frequency of production	Total annual honey production	Number of hives	Avg. frequency of production	Total annual honey production
Ethiopia	4,601,806	32,985,473	4,395,596	1	32,775,079	195,943	2	87,740	10,267	2	122,654
Tigray	228,683	1,938,408	218,270	1	1,903,183	8,708	2	3,414	1,706	1	31,811
Afar	773	5,534	658	2	5,534	*	2	-	-	-	-
Amhara.....	917,460	6,975,787	866,633	1	6,923,821	48,900	1	21,019	1,927	1	*
Oromia.....	2,270,166	13,529,223	2,172,212	1	13,460,189	92,665	1	*	5,289	2	45,802
Somali	7,212	49,224	6,347	2	49,224	*	2	-	*	2	-
Benshangul-Gumuz.....	166,736	745,655	166,499	1	743,721	*	1	*	*	2	*
S.N.N.P.....	944,321	8,328,805	903,490	2	8,284,940	39,929	2	32,035	902	2	11,829
Gambella.....	59,222	1,388,326	58,625	3	1,388,326	*	-	-	-	-	-
Harari.....	969	4,696	952	1	4,487	-	-	-	*	1	*
Addis Ababa.....	4,231	*	670	2	2,998	3,543	2	*	*	2	*
Diredawa.....	2,034	8,655	1,240	2	8,655	*	-	-	-	-	-

b) Rural Holdings

Geographic Area	All Beehives		Traditional Beehives			Intermediate Beehives			Modern Beehives		
	Number of hives	Total annual honey production	Number of hives	Avg. frequency of production	Total annual honey production	Number of hives	Avg. frequency of production	Total annual honey production	Number of hives	Avg. frequency of production	Total annual honey production
Ethiopia	4,399,573	32,822,288	4,383,247	1	32,638,615	6,380	2	61,740	9,946	2	121,933
Tigray	211,581	1,828,792	209,466	1	1,794,504	472	2	2,478	1,643	1	31,811
Afar	658	5,534	658	2	5,534	-	-	-	-	-	-
Amhara.....	870,322	6,967,150	865,433	1	6,916,873	3,004	1	19,431	1,885	1	*
Oromia.....	2,178,131	13,514,099	2,171,638	1	13,449,334	1,345	1	*	5,148	2	45,802
Somali	6,607	49,224	6,347	2	49,224	-	-	-	*	2	-
Benshangul-Gumuz.....	165,116	739,375	164,879	1	737,441	*	1	*	*	2	*
S.N.N.P.....	905,649	8,313,290	903,351	2	8,281,300	1,469	2	20,780	828	2	11,210
Gambella.....	58,625	1,388,326	58,625	3	1,388,326	-	-	-	-	-	-
Harari.....	969	4,696	952	1	4,487	-	-	-	*	1	*
Addis Ababa.....	681	3,182	664	2	2,972	-	-	-	*	2	*
Diredawa.....	1,234	8,619	1,234	2	8,619	-	-	-	-	-	-

c) Urban Holdings

Geographic Area	All Beehives		Traditional Beehives			Intermediate Beehives			Modern Beehives		
	Number of hives	Total annual honey production	Number of hives	Avg. frequency of production	Total annual honey production	Number of hives	Avg. frequency of production	Total annual honey production	Number of hives	Avg. frequency of production	Total annual honey production
Ethiopia	202,233	163,185	12,349	2	136,464	189,564	2	26,000	320	1	*
Tigray	17,103	109,616	8,804	1	108,680	8,236	1	*	*	1	-
Afar	*	-	-	-	-	*	2	-	-	-	-
Amhara.....	47,138	8,637	1,200	1	6,948	45,896	1	*	*	1	*
Oromia.....	92,035	15,124	574	1	*	91,320	2	4,269	142	2	-
Somali	*	-	-	-	-	*	2	-	-	-	-
Benshangul-Gumuz.....	1,620	6,280	1,620	2	6,280	-	-	-	-	-	-
S.N.N.P.....	38,672	*	139	2	*	38,459	2	*	74	1	*
Gambella.....	*	-	-	4	-	*	-	-	-	-	-
Harari.....	-	-	-	2	-	-	-	-	-	1	-
Addis Ababa.....	3,549	*	*	2	*	3,543	2	*	-	2	-
Diredawa.....	*	*	*	2	*	*	-	-	-	-	-

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

a) Both Rural and Urban Holdings

Geographic Area	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)
Ethiopia	8,310,427	9,307,582	1.284	8	2,591,187,141	174,249	113,593	3.488	12	115,379,953
Tigray	290,038	482,599	1.551	8	137,311,704	-	-	-	-	-
Afar	111,488	82,708	2.45	7	43,519,029	45,173	18,064	6.143	11	34,394,354
Amhara.....	1,062,223	1,927,859	1.222	8	492,964,417	*	*	5.773	9	*
Oromia	3,988,280	4,236,625	1.281	8	1,151,622,549	68,900	53,558	2.912	11	45,331,565
Somali	107,305	131,694	1.755	8	49,892,646	46,606	30,786	3.606	13	32,473,089
Benshangul-Gumuz	66,031	62,929	1.626	7	20,211,814	-	*	-	-	-
S.N.N.P.	2,599,452	2,304,937	1.289	8	662,660,245	10,810	2,090	4.229	13	1,315,324
Gambella.....	40,905	33,934	1.94	7	13,133,285	-	*	-	-	-
Harari	8,202	9,401	1.706	8	3,134,486	*	*	3.315	10	*
Addis Ababa	17,730	20,160	2.621	8	12,175,288	-	*	-	-	-
Diredawa.....	18,774	14,737	1.77	7	4,561,678	2,001	1,440	2.565	12	917,274

b) Rural Holdings

Geographic Area	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)
Ethiopia	8,066,601	9,048,567	1.259	8	2,478,968,904	171,190	108,731	3.469	12	113,429,500
Tigray	283,465	470,636	1.209	8	133,189,088	-	*	-	-	-
Afar	108,718	80,270	2.442	7	42,161,603	43,284	17,296	6.179	11	33,055,489
Amhara.....	1,031,765	1,885,422	1.21	8	476,858,720	*	*	5.773	9	*
Oromia	3,859,610	4,104,698	1.265	8	1,102,327,317	68,722	53,069	2.893	11	45,193,384
Somali	102,343	126,539	1.738	8	47,672,700	45,627	30,375	3.594	13	32,005,237
Benshangul-Gumuz	60,550	55,926	1.554	7	18,234,363	-	*	-	-	-
S.N.N.P.	2,549,875	2,261,038	1.244	8	635,456,629	10,805	1,885	4.238	13	1,311,743
Gambella.....	37,401	30,496	1.908	7	11,574,174	-	*	-	-	-
Harari	7,984	9,158	1.671	8	2,981,204	*	*	3.315	10	*
Addis Ababa	7,267	10,535	1.948	8	4,368,904	-	*	-	-	-
Diredawa.....	17,623	13,849	1.702	8	4,144,203	1,991	1,352	2.558	12	915,301

c) Urban Holdings

Geographic Area	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)
Ethiopia	243,826	259,015	2.128	8	112,218,236	3,059	*	5.633	12	1,950,453
Tigray.....	6,574	11,963	1.894	8	4,122,616	-	-	-	-	-
Afar	2,770	2,438	2.625	7	1,357,427	1,889	768	5.01	11	1,338,865
Amhara.....	30,458	42,437	1.809	8	16,105,697	-	*	-	-	-
Oromia.....	128,670	131,927	1.73	8	49,295,231	177	489	9.989	11	138,182
Somali	4,961	5,155	2.21	8	2,219,947	979	411	4.441	12	467,853
Benshangul-Gumuz	5,481	7,003	1.698	7	1,977,451	-	-	-	-	-
S.N.N.P.	49,577	43,899	3.391	8	27,203,615	*	205	2.295	9	*
Gambella.....	3,504	3,438	2.293	7	1,559,111	-	-	-	-	-
Harari	218	243	3.116	8	153,283	-	-	-	-	-
Addis Ababa	10,463	9,625	3.354	7	7,806,384	-	*	-	-	-
Diredawa.....	1,150	888	2.978	7	417,474	*	*	3.83	13	*

TABLE 7-17: NUMBER OF CATTLE BY SEX, BREED, AND REGION

a) Both Rural and Urban Holdings

Geographic Area	Total	MALE			FEMALE		
		Indigenous	Hybrid	Exotic	Indigenous	Hybrid	Exotic
Ethiopia	41,527,142	18,104,951	71,502	14,527	23,176,545	118,054	41,564
Tigray	2,668,078	1,301,678	3,048	812	1,356,706	4,142	1,693
Afar	345,635	68,968	*	*	275,787	*	29
Amhara	10,512,770	5,250,765	19,142	3,483	5,206,331	24,930	8,118
Oromia.....	18,035,686	7,942,394	40,263	7,591	9,959,847	65,962	19,629
Somali	512,320	179,873	-	*	332,322	-	*
Benshangul-Gumuz.....	309,627	135,486	*	*	174,090	*	*
S.N.N.P.....	8,831,450	3,112,931	7,063	1,452	5,685,625	18,196	6,183
Gambella.....	126,198	36,741	-	-	89,456	-	*
Harari.....	34,008	13,322	*	68	20,401	*	95
Addis Ababa.....	97,215	44,921	*	1,053	40,091	3,815	5,581
Diredawa	54,155	17,873	*	*	35,890	196	143

b) Rural Holdings

Geographic Area	Total	MALE			FEMALE		
		Indigenous	Hybrid	Exotic	Indigenous	Hybrid	Exotic
Ethiopia	40,638,801	17,795,873	69,148	4,735	22,652,848	107,378	8,819
Tigray	2,619,540	1,283,063	2,780	436	1,329,591	3,073	597
Afar	336,002	67,145	*	-	268,023	*	*
Amhara	10,360,069	5,197,917	18,729	1,118	5,118,037	23,245	1,022
Oromia.....	17,583,777	7,774,931	38,989	2,759	9,700,379	61,085	5,634
Somali	495,403	174,997	-	*	320,281	-	*
Benshangul-Gumuz.....	286,735	126,497	*	-	160,195	*	*
S.N.N.P.....	8,691,304	3,070,609	6,865	302	5,594,945	17,352	1,232
Gambella.....	116,074	33,626	-	-	82,446	-	*
Harari.....	33,094	13,051	*	*	19,944	*	-
Addis Ababa.....	66,091	37,023	*	61	25,524	*	174
Diredawa	50,712	17,015	*	-	33,484	*	*

c) Urban Holdings

Geographic Area	Total	MALE			FEMALE		
		Indigenous	Hybrid	Exotic	Indigenous	Hybrid	Exotic
Ethiopia	888,341	309,078	2,354	9,792	523,697	10,676	32,745
Tigray	48,538	18,615	268	376	27,114	1,068	1,096
Afar	9,633	1,823	-	*	7,764	*	21
Amhara	152,701	52,848	413	2,365	88,295	1,685	7,096
Oromia.....	451,908	167,463	1,274	4,832	259,468	4,876	13,995
Somali	16,917	4,876	-	-	12,041	-	-
Benshangul-Gumuz.....	22,892	8,988	-	*	13,896	-	*
S.N.N.P.....	140,146	42,322	198	1,150	90,680	844	4,952
Gambella.....	10,124	3,115	-	-	7,009	-	-
Harari.....	914	272	*	52	457	*	95
Addis Ababa.....	31,123	7,898	168	993	14,567	2,091	5,407
Diredawa	3,443	858	*	*	2,406	*	78

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

a) Both Rural and Urban Holdings

Geographic Area	Total	MALE			FEMALE		
		Indigenous	Hybrid	Exotic	Indigenous	Hybrid	Exotic
Ethiopia	14,655,566	3,895,730	3,790	1,533	10,741,815	8,750	3,948
Tigray	687,212	177,908	*	*	508,222	*	*
Afar	160,385	36,327	-	-	124,058	-	-
Amhara	5,320,330	1,372,211	2,943	704	3,938,063	5,278	1,132
Oromia	4,691,016	1,225,954	472	172	3,461,114	2,786	518
Somali	454,821	130,713	-	-	324,108	-	-
Benshangul-Gumuz	58,770	16,470	*	451	39,853	*	1,979
S.N.N.P.	3,169,816	904,672	*	*	2,264,839	*	*
Gambella	43,746	9,078	-	*	34,650	-	-
Harari	5,774	2,056	-	-	3,718	-	-
Addis Ababa	29,682	9,371	*	-	20,280	*	-
Diredawa	34,015	10,970	*	*	22,909	*	-

b) Rural Holdings

Geographic Area	Total	MALE			FEMALE		
		Indigenous	Hybrid	Exotic	Indigenous	Hybrid	Exotic
Ethiopia	14,321,787	3,787,859	3,529	1,230	10,517,786	7,897	3,487
Tigray	670,801	173,263	*	*	496,489	*	*
Afar	151,794	31,823	-	-	119,970	-	-
Amhara	5,232,302	1,343,335	2,691	509	3,880,424	4,476	*
Oromia	4,565,365	1,184,918	466	*	3,376,811	2,750	*
Somali	430,539	123,452	-	-	307,087	-	-
Benshangul-Gumuz	52,532	14,424	*	451	35,661	*	1,979
S.N.N.P.	3,129,369	892,703	*	*	2,236,370	*	*
Gambella	42,753	8,749	-	*	33,986	-	-
Harari	4,949	1,840	-	-	3,109	-	-
Addis Ababa	12,432	4,136	*	-	8,266	*	-
Diredawa	28,950	9,216	*	-	19,612	*	-

c) Urban Holdings

Geographic Area	Total	MALE			FEMALE		
		Indigenous	Hybrid	Exotic	Indigenous	Hybrid	Exotic
Ethiopia	333,778	107,872	261	303	224,029	853	461
Tigray	16,411	4,645	*	*	11,733	*	*
Afar	8,591	4,503	-	-	4,088	-	-
Amhara	88,028	28,877	252	195	57,640	802	263
Oromia	125,651	41,036	*	89	84,303	36	180
Somali	24,282	7,261	-	-	17,021	-	-
Benshangul-Gumuz	6,238	2,046	-	-	4,192	-	-
S.N.N.P.	40,446	11,970	-	*	28,468	-	*
Gambella	993	328	-	-	664	-	-
Harari	824	216	-	-	609	-	-
Addis Ababa	17,250	5,235	-	-	12,014	-	-
Diredawa	5,065	1,755	-	*	3,297	*	-

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

a) Both Rural and Urban Holdings

Geographic Area	Total	MALE			FEMALE		
		Indigenous	Hybrid	Exotic	Indigenous	Hybrid	Exotic
Ethiopia	13,661,562	4,263,566	619	*	9,395,891	630	*
Tigray	1,759,126	535,301	*	*	1,223,199	*	*
Afar	307,456	66,355	-	-	241,102	-	-
Amhara	3,815,859	1,263,947	*	*	2,551,451	*	*
Oromia	4,174,968	1,265,870	*	*	2,908,686	*	*
Somali	574,561	154,986	-	-	419,556	-	*
Benshangul-Gumuz	200,472	55,014	*	23	145,278	*	103
S.N.N.P.	2,651,077	874,958	*	*	1,775,773	*	-
Gambella	49,076	10,494	-	-	38,582	-	-
Harari	19,098	5,731	-	-	13,368	-	-
Addis Ababa	*	*	15	-	*	25	-
Diredawa	91,007	24,418	*	-	66,567	*	-

b) Rural Holdings

Geographic Area	Total	MALE			FEMALE		
		Indigenous	Hybrid	Exotic	Indigenous	Hybrid	Exotic
Ethiopia	13,464,825	4,200,051	596	*	9,262,859	585	*
Tigray	1,748,296	532,239	*	*	1,215,431	*	*
Afar	291,014	61,891	-	-	229,123	-	-
Amhara	3,800,802	1,259,258	*	-	2,541,198	*	*
Oromia	4,101,687	1,240,088	*	-	2,861,202	*	*
Somali	541,103	145,473	-	-	395,610	-	*
Benshangul-Gumuz	197,179	53,888	*	23	143,112	*	103
S.N.N.P.	2,619,541	863,810	*	*	1,755,385	*	-
Gambella	46,735	9,858	-	-	36,877	-	-
Harari	17,850	5,330	-	-	12,520	-	-
Addis Ababa	*	*	-	-	*	-	-
Diredawa	84,517	22,544	-	-	61,973	-	-

c) Urban Holdings

Geographic Area	Total	MALE			FEMALE		
		Indigenous	Hybrid	Exotic	Indigenous	Hybrid	Exotic
Ethiopia	196,737	63,515	23	*	133,031	45	*
Tigray	10,830	3,063	-	-	7,768	-	-
Afar	16,443	4,464	-	-	11,978	-	-
Amhara	15,057	4,689	-	*	10,253	-	*
Oromia	73,281	25,782	*	*	47,485	*	*
Somali	33,458	9,512	-	-	23,946	-	-
Benshangul-Gumuz	3,293	1,126	-	-	2,167	-	-
S.N.N.P.	31,536	11,148	-	-	20,388	-	-
Gambella	2,341	637	-	-	1,705	-	-
Harari	1,248	401	-	-	848	-	-
Addis Ababa	2,759	819	15	-	1,900	25	-
Diredawa	6,490	1,874	*	-	4,595	*	-

TABLE 7-20: ESTIMATED NUMBER OF LIVESTOCK VACCINATED BY REGION

a) Both Urban Rural Holdings

Geographic Area	Cattle	Sheep	Goats	Draught Animals	Camels	Poultry
Ethiopia	9,304,316	783,971	794,935	371,651	37,925	159,557
Tigray	1,351,699	190,853	319,218	42,597	13,607	24,428
Afar	35,778	1,692	2,888	*	235	-
Amhara	2,476,995	367,795	171,282	131,745	1,107	53,199
Oromia	3,851,696	120,058	118,071	177,851	2,948	53,425
Somali	86,706	55,376	98,662	2,408	19,447	*
Benshangul-Gumuz	100,266	1,476	8,634	1,027	*	6,414
S.N.N.P.	1,317,175	39,247	62,993	15,306	*	20,625
Gambella	17,518	374	698	20	-	*
Harari	1,105	*	148	*	*	*
Addis Ababa	46,618	1,344	86	473	-	*
Diredawa	18,760	5,723	12,257	176	*	*

Note: Draught animals in this and the following tables refer to Horses, Asses, and Mules.

b) Rural Holdings

Geographic Area	Cattle	Sheep	Goats	Draught Animals	Camels	Poultry
Ethiopia	8,969,640	739,936	775,923	361,191	37,585	132,238
Tigray	1,318,043	184,521	315,195	40,851	13,426	19,799
Afar	34,870	1,570	2,775	*	221	-
Amhara	2,413,734	350,941	168,593	129,869	1,005	45,724
Oromia	3,694,090	105,909	112,344	172,106	2,927	44,629
Somali	83,784	53,031	95,390	2,225	19,438	*
Benshangul-Gumuz	87,228	1,342	8,376	1,018	-	5,373
S.N.N.P.	1,271,767	37,519	61,583	14,699	*	15,881
Gambella	12,120	*	397	-	-	*
Harari	*	-	*	*	*	-
Addis Ababa	35,520	*	-	*	-	*
Diredawa	17,488	4,816	11,206	*	*	*

c) Urban Holdings

Geographic Area	Cattle	Sheep	Goats	Draught Animals	Camels	Poultry
Ethiopia	334,676	44,035	19,012	10,460	340	27,319
Tigray	33,656	6,332	4,023	1,746	181	4,629
Afar	909	122	113	*	*	-
Amhara	63,261	16,854	2,689	1,875	102	7,475
Oromia	157,607	14,149	5,727	5,746	*	8,796
Somali	2,922	2,346	3,271	184	*	*
Benshangul-Gumuz	13,038	134	258	*	*	1,041
S.N.N.P.	45,408	1,728	1,410	606	-	4,744
Gambella	5,398	*	301	20	-	*
Harari	108	*	*	*	-	*
Addis Ababa	11,098	1,243	86	182	-	206
Diredawa	1,272	907	1,051	68	*	*

TABLE 7-21: ESTIMATED NUMBER OF LIVESTOCK AFFLICTED/DISEASED BY REGION

a) Both Rural and Urban Holdings

Geographic Area	Cattle	Sheep	Goats	Draught Animals	Camels	Poultry
Ethiopia	5,149,263	1,765,586	1,695,284	380,229	39,666	11,336,709
Tigray	162,782	57,703	166,088	13,400	2,404	456,534
Afar	40,340	32,753	33,488	131	5,413	30,885
Amhara	1,100,058	507,309	439,212	103,273	1,606	2,489,714
Oromia	2,401,055	683,274	495,515	204,796	20,391	4,741,906
Somali	63,732	71,408	71,813	2,334	9,110	15,802
Benshangul-Gumuz	105,653	22,169	110,515	8,112	37	501,874
S.N.N.P.	1,241,033	375,333	363,525	47,287	107	2,967,773
Gambella	20,660	7,369	7,147	101	*	79,240
Harari	4,945	*	744	191	*	7,151
Addis Ababa	5,018	4,786	1,030	402	-	42,830
Diredawa	3,988	2,896	6,207	203	*	2,999

b) Rural Holdings

Geographic Area	Cattle	Sheep	Goats	Draught Animals	Camels	Poultry
Ethiopia	5,037,570	1,726,850	1,674,032	373,920	39,249	10,762,544
Tigray	160,202	56,211	165,172	13,051	2,361	435,108
Afar	38,786	31,923	31,422	*	5,263	28,370
Amhara	1,084,805	497,385	436,761	102,199	1,541	2,380,852
Oromia	2,341,256	668,398	488,662	201,331	20,337	4,485,554
Somali	62,066	68,289	67,937	2,264	9,015	12,156
Benshangul-Gumuz	96,743	20,343	109,466	7,960	*	469,094
S.N.N.P.	1,223,889	370,808	360,598	46,320	107	2,844,069
Gambella	18,365	7,245	6,876	*	*	74,470
Harari	4,878	*	694	182	*	3,327
Addis Ababa	2,984	3,301	681	319	-	27,945
Diredawa	3,597	2,400	5,764	153	*	1,601

c) Urban Holdings

Geographic Area	Cattle	Sheep	Goats	Draught Animals	Camels	Poultry
Ethiopia	111,693	38,736	21,252	6,309	417	574,165
Tigray	2,580	1,492	916	348	43	21,427
Afar	1,553	830	2,066	59	150	2,516
Amhara	15,253	9,924	2,451	1,073	65	108,862
Oromia	59,799	14,876	6,854	3,465	54	256,352
Somali	1,666	3,119	3,876	69	94	3,646
Benshangul-Gumuz	8,910	1,825	1,049	152	*	32,780
S.N.N.P.	17,144	4,525	2,927	967	-	123,704
Gambella	2,296	*	*	32	-	4,770
Harari	67	40	50	*	-	3,824
Addis Ababa	2,035	1,484	*	83	-	14,885
Diredawa	391	496	443	*	-	1,398

TABLE 7-22: ESTIMATED NUMBER OF LIVESTOCK TREATED BY REGION

a) Both Rural and Urban Holdings

Geographic Area	Cattle	Sheep	Goats	Draught Animals	Camels	Poultry
Ethiopia	1,863,572	238,555	231,107	120,094	8,473	293,056
Tigray	67,704	19,840	53,239	4,661	1,844	13,730
Afar	5,509	6,669	5,894	20	976	57
Amhara	367,896	98,513	63,464	29,679	786	65,987
Oromia	889,170	68,012	45,933	67,120	3,255	137,946
Somali	6,599	*	8,721	188	1,398	*
Benshangul-Gumuz	80,904	5,233	8,850	3,244	*	13,871
S.N.N.P.	437,875	26,111	44,314	14,976	*	59,134
Gambella	4,223	*	286	15	-	891
Harari	1,439	27	177	*	*	*
Addis Ababa	1,547	359	*	38	-	1,193
Diredawa	706	372	210	*	*	*

b) Rural Holdings

Geographic Area	Cattle	Sheep	Goats	Draught Animals	Camels	Poultry
Ethiopia	1,788,015	222,539	224,974	116,360	8,351	245,813
Tigray	65,985	19,149	52,795	4,469	1,804	11,614
Afar	5,235	6,572	5,804	-	976	31
Amhara	357,402	92,371	62,364	29,080	731	55,832
Oromia	848,861	62,458	43,755	65,048	3,238	114,917
Somali	6,113	*	8,045	157	1,398	*
Benshangul-Gumuz	72,859	4,086	8,491	3,120	-	10,961
S.N.N.P.	426,483	24,602	43,280	14,349	*	51,085
Gambella	2,477	*	*	-	-	642
Harari	1,388	-	*	*	*	-
Addis Ababa	660	144	-	*	-	662
Diredawa	553	*	*	*	*	-

c) Urban Holdings

Geographic Area	Cattle	Sheep	Goats	Draught Animals	Camels	Poultry
Ethiopia	75,558	16,016	6,134	3,734	122	47,243
Tigray	1,719	691	443	192	40	2,116
Afar	275	97	89	20	-	*
Amhara	10,494	6,142	1,100	599	55	10,155
Oromia	40,309	5,554	2,179	2,072	17	23,029
Somali	486	380	676	32	-	*
Benshangul-Gumuz	8,046	1,147	359	125	*	2,911
S.N.N.P.	11,392	1,509	1,034	627	-	8,049
Gambella	1,746	*	*	15	-	249
Harari	51	27	43	*	-	*
Addis Ababa	887	215	*	*	-	531
Diredawa	153	231	140	*	-	*

TABLE 7-23: ESTIMATED NUMBER OF LIVESTOCK DIED BY REGION

a) Both Rural and Urban Holdings

Geographic Area	Cattle	Sheep	Goats	Draught Animals	Camels	Poultry
Ethiopia	2,243,275	1,289,862	1,213,385	193,027	17,165	10,401,496
Tigray	60,658	43,387	108,786	6,052	387	416,944
Afar	22,027	24,461	23,056	109	2,959	29,475
Amhara	413,072	357,447	326,051	51,916	496	2,297,532
Oromia	1,106,682	539,868	381,482	104,295	9,651	4,387,538
Somali	31,585	31,486	33,698	627	3,368	13,944
Benshangul-Gumuz	32,672	16,031	91,331	4,467	30	438,034
S.N.N.P.	560,096	267,719	237,661	25,083	*	2,695,995
Gambella	8,873	2,498	5,272	*	*	71,476
Harari	1,919	*	293	*	*	6,949
Addis Ababa	3,083	4,245	915	282	-	40,714
Diredawa	2,608	2,338	4,840	96	*	2,896

b) Rural Holdings

Geographic Area	Cattle	Sheep	Goats	Draught Animals	Camels	Poultry
Ethiopia	2,195,634	1,264,285	1,198,078	189,526	16,910	9,866,172
Tigray	59,722	42,376	108,216	5,861	364	397,129
Afar	20,999	23,925	21,410	*	2,859	27,183
Amhara	407,995	352,224	324,322	51,331	458	2,196,053
Oromia	1,080,189	529,449	376,494	102,459	9,622	4,145,970
Somali	30,538	29,063	31,065	606	3,307	10,687
Benshangul-Gumuz	28,971	15,097	90,479	4,382	*	410,013
S.N.N.P.	552,915	264,389	235,691	24,436	*	2,580,778
Gambella	8,117	2,402	5,051	*	*	67,127
Harari	1,892	*	282	*	*	3,170
Addis Ababa	1,962	*	580	231	-	26,501
Diredawa	2,333	2,000	4,489	*	*	1,561

c) Urban Holders

Geographic Area	Cattle	Sheep	Goats	Draught Animals	Camels	Poultry
Ethiopia	47,640	25,576	15,307	3,501	255	535,324
Tigray	935	1,011	570	192	*	19,816
Afar	1,028	535	1,646	37	100	2,292
Amhara	5,076	5,223	1,729	585	*	101,478
Oromia	26,493	10,419	4,988	1,835	29	241,568
Somali	1,047	2,423	2,633	21	61	3,257
Benshangul-Gumuz	3,701	934	852	85	*	28,021
S.N.N.P.	7,181	3,330	1,969	647	-	115,216
Gambella	756	*	*	*	-	4,349
Harari	28	*	*	*	-	3,779
Addis Ababa	1,120	1,242	*	51	-	14,213
Diredawa	275	338	352	*	-	1,335

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

a) Both Rural and Urban Holdings

Geographic Area	Total (%)	Green Fodder	Crop Residue	Improved Feed	Hay	By-Product	Others
Ethiopia	100	60.17	26.02	0.12	6.8	1.45	5.43
Tigray	100	31.49	34.17	0.4	13.75	2.44	17.67
Afar	100	75.68	6.46	0.19	9.63	1.69	6.35
Amhara	100	46.58	35.31	0.18	13.08	1.31	3.54
Oromia	100	68.81	21.55	0.09	3.42	1.42	4.71
Somali	100	69.06	22.25	0.05	2.53	0.43	5.68
Benshangul-Gumuz	100	69.03	3.6	0.05	1.28	2.45	23.57
S.N.N.P.	100	67.86	18.88	0.06	2.82	1.47	8.9
Gambella	100	68.86	4.09	0.02	0.09	4.1	22.84
Harari	100	36.67	47	1.19	3.64	5.55	5.94
Addis Ababa.....	100	41.75	24.99	0.31	13.57	12.57	6.81
Dire-dawa	100	69.87	17.86	0.06	3.86	5.47	2.87

b) Rural Holdings

Geographic Area	Total (%)	Green Fodder	Crop Residue	Improved Feed	Hay	By-Product	Others
Ethiopia	100	60.55	26.35	0.12	6.77	1.26	4.95
Tigray	100	36.04	42.65	0.18	14.49	1.53	4.98
Afar	100	81.56	6.66	0.2	6.56	0.56	4.44
Amhara	100	51.36	32.99	0.16	11.43	1.02	3.04
Oromia	100	69.36	21.73	0.09	3.39	1.2	4.23
Somali	100	71.45	22.23	0.05	2.39	0.19	3.7
Benshangul-Gumuz	100	81.28	4.96	0.06	1.13	1.61	10.88
S.N.N.P.	100	68.05	19.05	0.06	2.8	1.39	8.65
Gambella	100	71.65	4.47	0.02	0.08	3.95	19.82
Harari	100	37.57	48.47	1.2	3.67	4.93	4.16
Addis Ababa.....	100	49.97	33.35	0.13	8.4	6.07	2.07
Dire-dawa	100	72.11	20.38	0.04	3.19	2.88	1.39

c) Urban Holdings

Geographic Area	Total (%)	Green Fodder	Crop Residue	Improved Feed	Hay	By-Product	Others
Ethiopia	100	48.85	16.3	0.24	7.67	7.17	19.77
Tigray	100	26.94	25.69	0.63	13.02	3.36	30.35
Afar	100	41.12	5.26	0.09	27.66	8.28	17.58
Amhara	100	35.08	17.05	0.38	16.05	8.96	22.47
Oromia	100	54.4	17.01	0.19	4.18	7.13	17.09
Somali	100	46.16	22.39	0.13	3.88	2.74	24.71
Benshangul-Gumuz	100	56.77	2.24	0.03	1.42	3.28	36.27
S.N.N.P.	100	60.71	12.22	0.11	3.6	4.79	18.57
Gambella	100	43.89	0.72	0.03	0.2	5.37	49.8
Harari	100	24.82	27.84	1.08	3.37	13.67	29.22
Addis Ababa.....	100	32.1	15.18	0.52	19.65	20.19	12.37
Dire-dawa	100	56.63	2.99	0.19	7.82	20.79	11.59

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

a) Both Rural and Urban Holdings

Geographic Area	Green Fodder	Crop Residue	Improved Feed	Hay	By-Product	Others
Ethiopia	9,462,178	7,825,828	66,009	2,852,543	987,506	3,085,797
Tigray	539,684	578,966	6,884	409,853	76,604	141,684
Afar	23,465	8,745	*	5,065	1,319	4,276
Amhara	2,670,653	2,545,602	22,475	1,433,118	277,131	617,411
Oromia	3,736,109	2,836,792	23,140	626,748	373,220	1,192,676
Somali	98,159	77,582	318	14,694	1,772	20,358
Benshangul-Gumuz	93,378	28,050	483	6,626	10,925	30,306
S.N.N.P.	2,239,634	1,706,289	11,134	340,399	224,892	1,055,075
Gambella	13,026	2,732	*	106	2,638	9,173
Harari	11,216	12,702	975	2,097	3,347	4,854
Addis Ababa	19,851	16,546	345	10,791	10,978	7,318
Diredawa	17,001	11,822	*	3,046	4,679	2,669

b) Rural Holdings

Geographic Area	Green Fodder	Crop Residue	Improved Feed	Hay	By-Product	Others
Ethiopia	9,192,256	7,660,221	62,595	2,764,117	892,592	2,868,982
Tigray	524,194	564,913	6,526	399,882	73,773	126,299
Afar	21,065	8,032	*	2,970	515	2,513
Amhara	2,620,172	2,511,832	21,609	1,402,055	254,274	575,992
Oromia	3,614,234	2,759,456	21,792	599,740	329,362	1,096,775
Somali	90,511	72,497	276	13,613	919	15,025
Benshangul-Gumuz	88,281	27,100	472	6,082	9,324	24,351
S.N.N.P.	2,184,143	1,678,455	10,659	330,969	211,869	1,012,593
Gambella	11,709	2,652	*	86	2,172	7,573
Harari	10,615	12,122	939	1,944	2,961	4,226
Addis Ababa	12,571	11,641	109	4,643	4,152	2,160
Diredawa	14,761	11,521	*	2,133	3,271	1,475

c) Urban Holdings

Geographic Area	Green Fodder	Crop Residue	Improved Feed	Hay	By-Product	Others
Ethiopia	269,922	165,608	3,414	88,426	94,914	216,815
Tigray	15,490	14,053	358	9,971	2,832	15,384
Afar	2,400	714	17	2,095	804	1,763
Amhara	50,481	33,770	866	31,063	22,857	41,418
Oromia	121,875	77,337	1,348	27,008	43,858	95,900
Somali	7,648	5,086	42	1,082	853	5,333
Benshangul-Gumuz	5,097	950	*	544	1,601	5,954
S.N.N.P.	55,491	27,834	475	9,430	13,023	42,482
Gambella	1,316	80	*	20	466	1,600
Harari	602	580	36	153	386	629
Addis Ababa	7,280	4,904	236	6,148	6,826	5,158
Diredawa	2,241	301	23	912	1,409	1,193

TABLE 7-26: LIVESTOCK PRODUCT UTILIZATION - PERCENTAGE OF USES OF MILK BY TYPE OF USE, AND REGION

a) Both Rural and Urban Holdings

Geographic Area	Total (%)	PERCENT UTILIZED FOR:			
		Household Consumption	Sale	Wages in Kind	Other
Ethiopia	100	48.1	5.06	0.31	46.53
Tigray	100	43.26	7.3	0.59	48.84
Afar	100	83.34	10.12	0.21	6.32
Amhara.....	100	41.0	0.74	0.76	57.46
Oromia	100	53.64	6.51	0.15	39.7
Somali	100	66.69	28.21	0.17	4.94
Benshangul-Gumuz	100	54.98	5.71	0.67	38.67
S.N.N.P.	100	31.97	2.71	0.19	65.12
Gambella.....	100	61.87	10.03	0.16	27.94
Harari	100	54.9	40.03	0.01	5.06
Addis Ababa.....	100	53.19	10.29	0.01	36.51
Diredawa.....	100	53.22	42.71	0.02	4.06

b) Rural Holdings

Geographic Area	Total (%)	PERCENT UTILIZED FOR:			
		Household Consumption	Sale	Wages in Kind	Other
Ethiopia	100	44.85	4.44	0.32	50.39
Tigray	100	37.32	0.67	0.71	61.31
Afar	100	78.05	6.22	0.12	15.61
Amhara.....	100	40.74	0.55	0.76	57.96
Oromia	100	53.38	6.37	0.14	40.1
Somali	100	65.83	28.96	0.16	5.06
Benshangul-Gumuz	100	47.61	4.17	0.4	47.82
S.N.N.P.	100	31.59	2.54	0.19	65.69
Gambella.....	100	62.32	8.16	0.15	29.36
Harari	100	54.82	40.17	-	5
Addis Ababa.....	100	53.28	9.87	-	36.85
Diredawa.....	100	51.88	43.97	0.02	4.13

c) Urban Holdings

Geographic Area	Total (%)	PERCENT UTILIZED FOR:			
		Household Consumption	Sale	Wages in Kind	Other
Ethiopia	100	77.29	10.65	0.24	11.83
Tigray	100	49.2	13.94	0.48	36.38
Afar	100	83.52	10.26	0.22	6
Amhara.....	100	56.69	10.79	0.54	31.99
Oromia	100	61.44	10.52	0.22	27.82
Somali	100	81.35	15.42	0.34	2.89
Benshangul-Gumuz	100	62.35	7.24	0.93	29.51
S.N.N.P.	100	49.14	10.6	0.26	39.99
Gambella.....	100	58.26	25.02	0.21	16.52
Harari	100	57.33	35.45	0.27	6.95
Addis Ababa.....	100	47.26	38.95	0.11	13.68
Diredawa.....	100	73.66	23.4	-	2.94

TABLE 7-27: LIVESTOCK PRODUCT UTILIZATION - PERCENTAGE OF USES OF BUTTER BY TYPE OF USE, AND REGION

a) Both Rural and Urban Holdings

Geographic Area	Total (%)	PERCENT UTILIZED FOR:			
		Household Consumption	Sale	Wages in Kind	Other
Ethiopia	100	60.23	35.84	0.19	3.74
Tigray	100	73.89	19.93	0.23	5.95
Afar	100	74.63	21.41	0.33	3.63
Amhara.....	100	58.6	37.9	0.13	3.4
Oromia	100	59.67	36.41	0.15	3.77
Somali	100	49.61	46.74	0.08	3.58
Benshangul-Gumuz	100	69.2	27.9	0.1	2.81
S.N.N.P.	100	57.37	37.81	0.36	4.46
Gambella.....	100	66.16	29.43	0.05	4.37
Harari	100	84.86	10.39	-	4.75
Addis Ababa.....	100	66.16	33.01	-	0.83
Diredawa	100	83.72	13.42	-	2.85

b) Rural Holdings

Geographic Area	Total (%)	PERCENT UTILIZED FOR:			
		Household Consumption	Sale	Wages in Kind	Other
Ethiopia	100	59.2	36.87	0.18	3.74
Tigray	100	65.97	28.18	0.08	5.77
Afar	100	78.23	17.77	0.02	3.98
Amhara.....	100	58.25	38.21	0.13	3.41
Oromia	100	59.04	37.04	0.15	3.77
Somali	100	49.3	47.02	0.07	3.61
Benshangul-Gumuz	100	52.73	44.05	0.12	3.1
S.N.N.P.	100	57.06	38.12	0.36	4.46
Gambella.....	100	66.36	29.24	0.05	4.36
Harari	100	85.06	10.02	-	4.92
Addis Ababa.....	100	66.07	33.12	-	0.81
Diredawa	100	83.31	13.77	-	2.92

c) Urban Holdings

Geographic Area	Total (%)	PERCENT UTILIZED FOR:			
		Household Consumption	Sale	Wages in Kind	Other
Ethiopia	100	76.55	19.45	0.3	3.7
Tigray	100	81.8	11.69	0.38	6.14
Afar	100	74.39	21.65	0.35	3.61
Amhara.....	100	82.16	14.83	0.18	2.83
Oromia	100	83.08	13.18	0.14	3.59
Somali	100	66.35	31.04	0.65	1.96
Benshangul-Gumuz	100	85.67	11.75	0.07	2.52
S.N.N.P.	100	76.2	18.75	0.41	4.63
Gambella.....	100	63.68	31.85	0.03	4.44
Harari	100	80.19	18.97	-	0.84
Addis Ababa.....	100	77.35	18.75	0.09	3.81
Diredawa	100	94.34	4.54	-	1.12

TABLE 7-28: LIVESTOCK PRODUCT UTILIZATION - PERCENTAGE OF USES OF CHEESE BY TYPE OF USE, AND REGION

a) Both Rural and Urban Holdings

Geographic Area	Total (%)	PERCENT UTILIZED FOR:			
		Household Consumption	Sale	Wages in Kind	Other
Ethiopia	100	83.8	12.82	0.1	3.28
Tigray	100	95.7	0.53	0.17	3.6
Afar	100	89.38	3.02	-	7.6
Amhara.....	100	96.79	0.24	0.06	2.91
Oromia	100	85.47	9.74	0.13	4.66
Somali	100	98.12	1.12	-	0.75
Benshangul-Gumuz	100	93.9	0.7	0.09	5.45
S.N.N.P.	100	64.29	33.75	0.18	1.78
Gambella.....	100	90.94	5.01	0.13	3.92
Harari	100	96.61	-	-	3.39
Addis Ababa.....	100	66.69	31.97	-	1.33
Diredawa.....	100	100	-	-	-

b) Rural Holdings

Geographic Area	Total (%)	PERCENT UTILIZED FOR:			
		Household Consumption	Sale	Wages in Kind	Other
Ethiopia	100	83.52	13.21	0.1	3.17
Tigray	100	96.54	0.26	0.09	3.12
Afar	100	89.52	1.58	-	8.9
Amhara.....	100	96.79	0.24	0.06	2.91
Oromia	100	85.31	9.89	0.12	4.68
Somali	100	98.19	1.04	-	0.77
Benshangul-Gumuz	100	92.38	1	0.1	6.52
S.N.N.P.	100	64	34.05	0.18	1.78
Gambella.....	100	91.93	4.72	0.14	3.22
Harari	100	96.57	-	-	3.43
Addis Ababa.....	100	66.6	32.07	-	1.33
Diredawa.....	100	100	-	-	-

c) Urban Holdings

Geographic Area	Total (%)	PERCENT UTILIZED FOR:			
		Household Consumption	Sale	Wages in Kind	Other
Ethiopia	100	89.45	4.95	0.09	5.51
Tigray	100	94.86	0.8	0.24	4.09
Afar	100	89.38	3.07	-	7.55
Amhara.....	100	96.58	0.53	0.13	2.76
Oromia	100	89.82	5.8	0.2	4.19
Somali	100	96.05	3.61	-	0.33
Benshangul-Gumuz	100	95.42	0.4	0.07	4.37
S.N.N.P.	100	79.01	19.02	0.23	1.73
Gambella.....	100	77.04	9.18	-	13.77
Harari	100	100	-	-	-
Addis Ababa.....	100	79.51	18.1	0.04	2.36
Diredawa.....	100	100	-	-	-

TABLE 7-29: LIVESTOCK PRODUCT UTILIZATION - PERCENTAGE OF USES OF BEEF BY TYPE OF USE, AND REGION

a) Both Rural and Urban Holdings

Geographic Area	Total (%)	PERCENT UTILIZED FOR:			
		Household Consumption	Sale	Wages in Kind	Other
Ethiopia	100	45.56	41.65	0.62	12.16
Tigray	100	31.69	58.83	0.04	9.44
Afar	100	68.48	16.44	0.94	14.14
Amhara.....	100	37.4	47.2	1.21	14.2
Oromia	100	47.84	38.85	0.23	13.08
Somali	100	50.82	14.23	0.31	34.63
Benshangul-Gumuz	100	24.47	69.46	1.83	4.26
S.N.N.P.	100	47.87	43.86	0.8	7.46
Gambella.....	100	36.64	49.47	0.19	13.7
Harari	100	59.59	40.41	-	-
Addis Ababa.....	100	46.29	49.04	-	4.67
Diredawa.....	100	32.73	23.36	-	43.91

b) Rural Holdings

Geographic Area	Total (%)	PERCENT UTILIZED FOR:			
		Household Consumption	Sale	Wages in Kind	Other
Ethiopia	100	43.11	44.1	0.59	12.2
Tigray	100	34.89	51.15	0.08	13.87
Afar	100	43.7	14.15	0.13	42.01
Amhara.....	100	37.41	47.13	1.21	14.25
Oromia	100	48.09	38.5	0.23	13.19
Somali	100	50.54	14.09	0.2	35.17
Benshangul-Gumuz	100	29.75	59.75	3.65	6.84
S.N.N.P.	100	47.93	43.8	0.8	7.48
Gambella.....	100	36.54	49.5	0.14	13.82
Harari	100	60.01	39.99	-	-
Addis Ababa.....	100	46.31	49.02	-	4.67
Diredawa.....	100	39.98	-	-	60.02

c) Urban Holdings

Geographic Area	Total (%)	PERCENT UTILIZED FOR:			
		Household Consumption	Sale	Wages in Kind	Other
Ethiopia	100	66.96	20.22	0.96	11.86
Tigray	100	28.49	66.51	-	5
Afar	100	70.02	16.58	0.99	12.41
Amhara.....	100	41.2	51.57	0.34	6.89
Oromia	100	30.84	62.76	0.6	5.81
Somali	100	59.57	18.91	3.85	17.67
Benshangul-Gumuz	100	19.18	79.16	-	1.67
S.N.N.P.	100	39.63	54.66	0.79	4.92
Gambella.....	100	39.37	48.69	1.39	10.55
Harari	100	50	50	-	-
Addis Ababa.....	100	42.66	52.96	-	4.38
Diredawa.....	100	21.98	57.85	-	20.17

TABLE 7-30: LIVESTOCK PRODUCT UTILIZATION - PERCENTAGE OF USES OF GOAT MEAT/MUTTON BY TYPE OF USE, AND REGION

a) Both Rural and Urban Holdings

Geographic Area	Total (%)	PERCENT UTILIZED FOR:			
		Household Consumption	Sale	Wages in Kind	Other
Ethiopia	100	85.38	10.7	0.15	3.77
Tigray	100	84.73	10.36	0.46	4.45
Afar	100	85.3	11.97	0.18	2.55
Amhara.....	100	89.7	6.2	0.1	4
Oromia	100	84.3	9.73	0.22	5.74
Somali	100	81.57	6.21	0.46	11.76
Benshangul-Gumuz	100	74.92	15.7	0.08	9.29
S.N.N.P.	100	75.21	20.37	0.16	4.26
Gambella	100	52.87	36.49	0.29	10.36
Harari	100	93.48	1.95	-	4.56
Addis Ababa.....	100	87.34	11.86	-	0.8
Diredawa	100	79.11	14.95	-	5.94

b) Rural Holdings

Geographic Area	Total (%)	PERCENT UTILIZED FOR:			
		Household Consumption	Sale	Wages in Kind	Other
Ethiopia	100	85.5	9.93	0.14	4.43
Tigray	100	85.74	10.12	0.17	3.97
Afar	100	89.71	1.59	0.02	8.68
Amhara.....	100	89.73	6.15	0.1	4.02
Oromia	100	84.35	9.62	0.23	5.81
Somali	100	82.43	5.31	0.44	11.83
Benshangul-Gumuz	100	71.05	22.19	0.15	6.61
S.N.N.P.	100	75.11	20.45	0.16	4.28
Gambella	100	52.27	37.58	0.33	9.82
Harari	100	95.48	-	-	4.52
Addis Ababa.....	100	87.42	11.79	-	0.79
Diredawa	100	78.92	14.41	-	6.66

c) Urban Holdings

Geographic Area	Total (%)	PERCENT UTILIZED FOR:			
		Household Consumption	Sale	Wages in Kind	Other
Ethiopia	100	85.15	12.16	0.18	2.52
Tigray	100	83.72	10.6	0.74	4.94
Afar	100	85.24	12.12	0.18	2.47
Amhara.....	100	87.87	9.05	0.11	2.97
Oromia	100	82.56	14.19	0.08	3.18
Somali	100	73.16	15.06	0.62	11.16
Benshangul-Gumuz	100	78.79	9.2	-	11.97
S.N.N.P.	100	79.94	16.43	0.25	3.38
Gambella	100	57.15	28.65	-	14.2
Harari	100	80.31	14.81	-	4.87
Addis Ababa.....	100	78.85	19.13	-	2.02
Diredawa	100	80.26	18.29	-	1.45

TABLE 7-31: LIVESTOCK PRODUCT UTILIZATION - PERCENTAGE OF USES OF EGGS BY TYPE OF USE, AND REGION

a) Both Rural and Urban Holdings

Geographic Area	Total (%)	PERCENT UTILIZED FOR:			
		Household Consumption	Sale	Wages in Kind	Other
Ethiopia	100	31.64	38.06	0.08	30.22
Tigray	100	40.45	34.32	0.03	25.2
Afar	100	69.33	17.03	0.2	13.44
Amhara.....	100	23	40.9	0.07	36
Oromia	100	31	42.2	0.09	26.7
Somali	100	32.31	53.58	0.25	13.85
Benshangul-Gumuz	100	33.61	10.8	0.04	55.56
S.N.N.P.	100	31.92	30.59	0.07	37.43
Gambella.....	100	25.82	28.59	0.12	45.46
Harari	100	22.76	41.33	0.01	35.9
Addis Ababa.....	100	45.38	43.23	-	11.39
Diredawa.....	100	17.86	65.84	0.03	16.27

b) Rural Holdings

Geographic Area	Total (%)	PERCENT UTILIZED FOR:			
		Household Consumption	Sale	Wages in Kind	Other
Ethiopia	100	28.91	39.71	0.07	31.32
Tigray	100	25.71	44.15	0.05	30.09
Afar	100	62.44	19.57	0.02	17.97
Amhara.....	100	22.42	41.31	0.07	36.2
Oromia	100	30.12	42.86	0.09	26.93
Somali	100	28.34	57	0.19	14.47
Benshangul-Gumuz	100	20.03	13.78	0.07	66.11
S.N.N.P.	100	31.39	30.91	0.07	37.64
Gambella.....	100	24.36	28.97	0.13	46.54
Harari	100	19.7	43.91	-	36.38
Addis Ababa.....	100	45.21	43.35	-	11.44
Diredawa.....	100	12.92	70.4	-	16.68

c) Urban Holdings

Geographic Area	Total (%)	PERCENT UTILIZED FOR:			
		Household Consumption	Sale	Wages in Kind	Other
Ethiopia	100	65.39	17.76	0.17	16.68
Tigray	100	55.19	24.5	-	20.31
Afar	100	69.45	16.98	0.21	13.36
Amhara.....	100	52.25	18.69	0.06	29.01
Oromia	100	59.3	21.12	0.1	19.48
Somali	100	52.12	36.52	0.6	10.77
Benshangul-Gumuz	100	47.18	7.82	-	45.05
S.N.N.P.	100	55.33	16.41	0.03	28.23
Gambella.....	100	44.16	23.88	-	31.97
Harari	100	46.2	21.52	0.07	32.22
Addis Ababa.....	100	66.08	28.52	0.07	5.33
Diredawa.....	100	71.61	16.23	0.31	11.85

TABLE 7-32: LIVESTOCK PRODUCT UTILIZATION - PERCENTAGE OF USES OF HONEY BY TYPE OF USE, AND REGION

a) Both Rural and Urban Holdings

Geographic Area	Total (%)	PERCENT UTILIZED FOR:			
		Household Consumption	Sale	Wages in Kind	Other
Ethiopia	100	39.28	57.55	0.25	2.92
Tigray	100	48.99	48.39	0.33	2.3
Afar	100	38.31	61.58	-	0.11
Amhara.....	100	36.6	60.4	0.27	2.7
Oromia	100	41.32	55.06	0.24	3.38
Somali	100	46.41	48.66	-	4.93
Benshangul-Gumuz	100	33.89	59.71	0.11	6.3
S.N.N.P.	100	38.03	58.79	0.3	2.88
Gambella	100	18.9	76.74	0.13	4.24
Harari	100	63.26	30.69	-	6.05
Addis Ababa.....	100	69.23	29.91	0.01	0.85
Diredawa	100	43.01	53.86	-	3.13

b) Rural Holdings

Geographic Area	Total (%)	PERCENT UTILIZED FOR:			
		Household Consumption	Sale	Wages in Kind	Other
Ethiopia	100	39.15	57.68	0.25	2.92
Tigray	100	39.45	57.98	0.2	2.37
Afar	100	62.3	35.95	-	1.76
Amhara.....	100	36.5	60.52	0.27	2.71
Oromia	100	41.15	55.23	0.24	3.37
Somali	100	46.43	48.63	-	4.95
Benshangul-Gumuz	100	25.88	67.33	0.22	6.58
S.N.N.P.	100	37.9	58.94	0.3	2.86
Gambella	100	18.83	76.81	0.12	4.24
Harari	100	62.75	31.15	-	6.1
Addis Ababa.....	100	69.19	30.02	-	0.79
Diredawa	100	41.73	55.1	-	3.17

c) Urban Holdings

Geographic Area	Total (%)	PERCENT UTILIZED FOR:			
		Household Consumption	Sale	Wages in Kind	Other
Ethiopia	100	51.64	45.57	0.14	2.64
Tigray	100	58.53	38.79	0.45	2.22
Afar	100	36.67	63.33	-	-
Amhara.....	100	55.2	41.39	0.06	3.36
Oromia	100	62.73	33.56	0.24	3.47
Somali	100	44.86	52.43	-	2.7
Benshangul-Gumuz	100	41.9	52.1	-	6.01
S.N.N.P.	100	56.53	38.55	0.21	4.71
Gambella	100	35.15	59.91	1.11	3.83
Harari	100	71.24	23.46	-	5.3
Addis Ababa.....	100	72.05	22.33	0.45	5.18
Diredawa	100	70.9	26.99	-	2.11

TABLE 7-33: LIVESTOCK PRODUCT UTILIZATION - PERCENTAGE OF USES OF BEES WAX BY TYPE OF USE, AND REGION

a) Both Rural and Urban Holdings

Geographic Area	Total (%)	PERCENT UTILIZED FOR:			
		Household Consumption	Sale	Wages in Kind	Other
Ethiopia	100	34.4	32.58	0.18	32.85
Tigray	100	33.61	17.39	0.23	48.77
Afar	-	-	-	-	-
Amhara.....	100	21.5	33.3	0.17	45
Oromia	100	40.7	41.17	0.17	17.96
Somali	-	-	-	-	-
Benshangul-Gumuz	100	36.33	24.26	0.04	39.3
S.N.N.P.	100	53.27	17.93	0.08	28.72
Gambella.....	100	21.53	37.31	1.12	40.05
Harari	-	-	-	-	-
Addis Ababa.....	100	99.09	-	-	0.91
Diredawa.....	-	-	-	-	-

b) Rural Holdings

Geographic Area	Total (%)	PERCENT UTILIZED FOR:			
		Household Consumption	Sale	Wages in Kind	Other
Ethiopia	100	34.38	32.58	0.18	32.86
Tigray	100	35.19	23.64	0.47	40.71
Afar	-	-	-	-	-
Amhara.....	100	21.47	33.28	0.17	45.09
Oromia	100	40.68	41.24	0.17	17.92
Somali	-	-	-	-	-
Benshangul-Gumuz	100	22.65	48.51	0.07	28.77
S.N.N.P.	100	53.4	17.87	0.09	28.65
Gambella.....	100	21.59	37.05	1.12	40.24
Harari	-	-	-	-	-
Addis Ababa.....	100	100	-	-	-
Diredawa.....	-	-	-	-	-

c) Urban Holdings

Geographic Area	Total (%)	PERCENT UTILIZED FOR:			
		Household Consumption	Sale	Wages in Kind	Other
Ethiopia	100	37.89	32.02	0.11	29.97
Tigray	100	32.03	11.14	-	56.83
Afar	-	-	-	-	-
Amhara.....	100	28.56	36.81	0.44	34.18
Oromia	100	44.58	32.71	-	22.7
Somali	-	-	-	-	-
Benshangul-Gumuz	100	50	-	-	50
S.N.N.P.	100	34.94	26.13	-	38.92
Gambella.....	100	10	90	-	-
Harari	-	-	-	-	-
Addis Ababa.....	100	-	-	-	100
Diredawa.....	-	-	-	-	-

TABLE 7-34: LIVESTOCK PRODUCT UTILIZATION - PERCENTAGE OF USES OF WOOL BY TYPE OF USE, AND REGION

a) Both Rural and Urban Holdings

Geographic Area	Total (%)	PERCENT UTILIZED FOR:			
		Household Consumption	Sale	Wages in Kind	Other
Ethiopia	100	34.83	53.36	0.8	11.01
Tigray	100	47.95	50.48	-	1.56
Afar	100	-	100	-	-
Amhara.....	100	36	51.8	0.86	11.3
Oromia	100	33.73	46.25	-	20.02
Somali	100	5.49	92.59	-	1.92
Benshangul-Gumuz	100	26.3	65.37	-	8.34
S.N.N.P.	100	27.87	71.72	-	0.41
Gambella	100	100	-	-	-
Harari	-	-	-	-	-
Addis Ababa.....	100	-	100	-	-
Diredawa	-	-	-	-	-

b) Rural Holdings

Geographic Area	Total (%)	PERCENT UTILIZED FOR:			
		Household Consumption	Sale	Wages in Kind	Other
Ethiopia	100	35.88	52.02	0.79	11.31
Tigray	100	62.58	34.3	-	3.13
Afar	-	-	-	-	-
Amhara.....	100	35.99	51.9	0.83	11.28
Oromia	100	33.93	45.62	-	20.45
Somali	100	5.79	94.21	-	-
Benshangul-Gumuz	100	52.59	30.74	-	16.67
S.N.N.P.	100	28.87	70.71	-	0.42
Gambella	100	100	-	-	-
Harari	-	-	-	-	-
Addis Ababa.....	-	-	-	-	-
Diredawa	-	-	-	-	-

c) Urban Holdings

Geographic Area	Total (%)	PERCENT UTILIZED FOR:			
		Household Consumption	Sale	Wages in Kind	Other
Ethiopia	100	6.63	89.47	0.97	2.93
Tigray	100	33.33	66.67	-	-
Afar	100	-	100	-	-
Amhara.....	100	39.1	37.04	6.07	17.8
Oromia	100	24.37	75.63	-	-
Somali	100	-	63.23	-	36.77
Benshangul-Gumuz	100	-	100	-	-
S.N.N.P.	100	-	100	-	-
Gambella	-	-	-	-	-
Harari	-	-	-	-	-
Addis Ababa.....	100	-	100	-	-
Diredawa	-	-	-	-	-

TABLE 7-35: LIVESTOCK PRODUCT UTILIZATION - PERCENTAGE OF USES OF HIDES BY TYPE OF USE, AND REGION

a) Both Rural and Urban Holdings

Geographic Area	Total (%)	PERCENT UTILIZED FOR:			
		Household Consumption	Sale	Wages in Kind	Other
Ethiopia	100	35.53	59.38	0.07	5.02
Tigray	100	34.83	59.85	0.13	5.18
Afar	100	12.25	85.59	-	2.16
Amhara.....	100	33.7	57.3	0.08	8.94
Oromia	100	60.64	34.04	0.12	5.2
Somali	100	41.38	43.04	0.14	15.44
Benshangul-Gumuz	100	34.99	61.88	0.12	3
S.N.N.P.	100	45.33	47.82	0.15	6.71
Gambella.....	100	51.04	46.39	1.01	1.55
Harari	100	43.69	19.3	2.1	34.91
Addis Ababa.....	100	67.94	31.96	-	0.1
Diredawa.....	100	73.09	26.91	-	-

b) Rural Holdings

Geographic Area	Total (%)	PERCENT UTILIZED FOR:			
		Household Consumption	Sale	Wages in Kind	Other
Ethiopia	100	49.77	43.42	0.1	6.71
Tigray	100	42.27	50.03	0.08	7.62
Afar	100	72.04	24.88	-	3.08
Amhara.....	100	33.84	57.04	0.08	9.04
Oromia	100	61.2	33.5	0.11	5.19
Somali	100	43.07	40.81	-	16.11
Benshangul-Gumuz	100	44.55	49.21	0.24	6.01
S.N.N.P.	100	45.63	47.47	0.14	6.75
Gambella.....	100	50.92	46.26	1.11	1.71
Harari	100	65.1	-	-	34.9
Addis Ababa.....	100	68.64	31.33	-	0.03
Diredawa.....	100	87.55	12.45	-	-

c) Urban Holdings

Geographic Area	Total (%)	PERCENT UTILIZED FOR:			
		Household Consumption	Sale	Wages in Kind	Other
Ethiopia	100	11.68	86.11	0.01	2.2
Tigray	100	27.39	69.67	0.19	2.74
Afar	100	11.33	86.52	-	2.14
Amhara.....	100	21.48	75.75	0.08	2.69
Oromia	100	30.34	63.64	0.48	5.55
Somali	100	14.79	78.14	2.31	4.76
Benshangul-Gumuz	100	25.43	74.56	-	-
S.N.N.P.	100	18.35	78.3	0.69	2.65
Gambella.....	100	52.32	47.68	-	-
Harari	100	17.74	42.71	4.64	34.91
Addis Ababa.....	100	23.8	71.6	-	4.6
Diredawa.....	100	10.53	89.47	-	-

TABLE 7-36: LIVESTOCK PRODUCT UTILIZATION - PERCENTAGE OF USES OF SKIN BY TYPE OF USE, AND REGION

a) Both Rural and Urban Holdings

Geographic Area	Total (%)	PERCENT UTILIZED FOR:			
		Household Consumption	Sale	Wages in Kind	Other
Ethiopia	100	22.5	74.44	0.1	2.96
Tigray	100	21.27	75.12	0.02	3.6
Afar	100	14.61	83.79	0.17	1.43
Amhara.....	100	20.87	75.33	0.03	3.76
Oromia	100	27.52	68.98	0.16	3.33
Somali	100	25.32	64.7	0.67	9.31
Benshangul-Gumuz	100	25.37	64.79	0.02	9.82
S.N.N.P.	100	22.27	74.3	0.02	3.41
Gambella.....	100	61.33	32.86	2.07	3.74
Harari	100	22.46	4.85	-	72.69
Addis Ababa.....	100	34.28	65.72	-	0.01
Diredawa.....	100	89.49	8.68	-	1.83

b) Rural Holdings

Geographic Area	Total (%)	PERCENT UTILIZED FOR:			
		Household Consumption	Sale	Wages in Kind	Other
Ethiopia	100	25.73	70.64	0.07	3.55
Tigray	100	29.16	66.65	0.03	4.15
Afar	100	72.93	17.53	0.09	9.46
Amhara.....	100	20.94	75.23	0.03	3.79
Oromia	100	27.74	68.77	0.16	3.33
Somali	100	25.57	64	0.64	9.79
Benshangul-Gumuz	100	48.52	42.91	0.04	8.52
S.N.N.P.	100	22.39	74.17	0.02	3.41
Gambella.....	100	60.39	32.87	2.36	4.38
Harari	100	23.57	2.41	-	74.02
Addis Ababa.....	100	34.31	65.69	-	-
Diredawa.....	100	95.65	2.47	-	1.89

c) Urban Holdings

Geographic Area	Total (%)	PERCENT UTILIZED FOR:			
		Household Consumption	Sale	Wages in Kind	Other
Ethiopia	100	13.72	84.76	0.17	1.34
Tigray	100	13.37	83.58	-	3.04
Afar	100	13.58	84.96	0.17	1.29
Amhara.....	100	15.43	83.21	0.06	1.31
Oromia	100	16.8	79.32	0.47	3.4
Somali	100	22.17	73.39	1.08	3.35
Benshangul-Gumuz	100	2.22	86.67	-	11.11
S.N.N.P.	100	15.29	81.37	0.02	3.32
Gambella.....	100	66.35	32.8	0.51	0.34
Harari	100	-	54.33	-	45.67
Addis Ababa.....	100	28.73	70.19	-	1.08
Diredawa.....	100	14.42	84.45	-	1.13

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

[Annex Tables 7.1 – 7.10]

Annex Table 7.1- Estimates of Livestock, Standard Errors and Coefficients of Variation by Type, and Region

Geographic Area	CATTLE			SHEEP			GOATS		
	Number	SE	CV	Number	SE	CV	Number	SE	CV
Ethiopia	41,527,142	231,102	1	14,655,566	159,081	1	13,661,562	201,479	1
Tigray	2,668,078	48,766	2	687,212	26,959	4	1,759,126	50,631	3
Afar	345,635	30,768	9	160,385	20,803	13	307,456	46,159	15
Amhara	10,512,770	105,254	1	5,320,330	106,812	2	3,815,859	133,387	4
Oromia	18,035,686	165,821	1	4,691,016	71,001	2	4,174,968	94,058	2
Somali	512,320	25,579	5	454,821	39,029	9	574,561	36,665	6
Benshangul-Gumuz	309,627	10,578	3	58,770	2,937	5	200,472	6,768	3
S.N.N.P.	8,831,450	101,377	1	3,169,816	78,287	2	2,651,077	87,604	3
Gambella	126,198	6,958	6	43,746	3,319	8	49,076	2,925	6
Harari	34,008	3,275	10	5,774	785	14	19,098	1,368	7
Addis Ababa	97,215	19,625	20	29,682	2,640	9	18,861	9,856	52
Dire-dawa	54,155	4,526	8	34,015	4,213	12	91,007	9,398	10

Annex Table 7.1-Cont'd

Geographic Area	HORSES			ASSES			MULES			CAMELS		
	Number	SE	CV	Number	SE	CV	Number	SE	CV	Number	SE	CV
Ethiopia	1,504,208	23,979	2	3,962,969	26,698	1	354,120	5,962	2	482,760	21,531	4
Tigray	7,598	891	12	403,517	6,420	2	16,418	1,045	6	39,791	3,439	9
Afar	55	17	30	11,467	1,634	14	255	47	19	92,264	12,378	13
Amhara	306,443	11,821	4	1,465,021	15,271	1	105,514	3,759	4	28,475	2,285	8
Oromia	894,404	18,913	2	1,626,263	17,243	1	158,440	3,674	2	167,702	13,278	8
Somali	51	11	21	84,636	4,284	5	633	155	25	128,703	10,347	8
Benshangul-Gumuz	559	171	31	30,952	1,199	4	1,394	140	10	15	7	49
S.N.N.P.	292,496	8,724	3	305,089	9,842	3	70,365	2,571	4	17,027	2,740	16
Gambella	338	105	31	264	53	20	12	8	70	5	5	100
Harari	1	1	128	6,203	827	13	52	31	61	1,519	1,077	71
Addis Ababa	2,135	794	37	19,623	4,507	23	809	397	49	-	-	-
Dire-dawa	127	38	30	9,934	858	9	229	135	59	7,260	1,140	16

Annex Table 7.2- Estimates of Cattle, Standard Errors and Coefficients of Variation by Age group, and Region

Male Cattle

Geographic Area	<6MONTHS			6MONTHS -<1YEAR			1-<3YEARS			3-<10YEARS			10YEARS & OLDER		
	Number	SE	CV	Number	SE	CV	Number	SE	CV	Number	SE	CV	Number	SE	CV
Ethiopia	2,290,851	18,971	1	1,796,871	15,186	1	2,845,073	20,218	1	10,411,091	54,875	1	847,094	13,217	2
Tigray.....	104,699	3,603	3	125,941	4,012	3	184,427	4,719	3	822,475	10,608	1	67,996	2,811	4
Afar	18,218	1,970	11	11,608	1,330	11	14,891	1,549	10	22,153	2,059	9	2,233	340	15
Amhara	455,625	8,206	2	434,475	8,230	2	742,801	9,828	1	3,258,405	27,234	1	382,084	9,394	2
Oromia.....	1,099,361	13,309	1	738,968	9,637	1	1,263,554	13,077	1	4,576,945	39,432	1	311,420	7,394	2
Somali	34,435	2,349	7	22,813	1,516	7	31,930	1,956	6	89,550	5,248	6	1,189	295	25
Benshangul-Gumuz.....	15,513	765	5	15,299	747	5	27,173	1,281	5	75,211	2,683	4	2,313	309	13
S.N.N.P.....	542,778	9,576	2	432,481	6,972	2	559,091	10,452	2	1,511,962	21,740	1	75,133	4,603	6
Gambella.....	10,236	596	6	8,161	555	7	9,105	664	7	8,936	556	6	303	91	30
Harari.....	2,127	384	18	1,734	230	13	2,759	288	10	6,797	999	15	17	18	106
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
Diredawa.....	4,191	380	9	2,364	264	11	4,257	468	11	7,083	743	11	33	34	102

Annex Table 7.2- Cont'd

Female Cattle

Geographic Area	<6MONTHS			6MONTHS -<1YEAR			1-<3YEARS			3-<10YEARS			10YEARS & OLDER		
	Number	SE	CV	Number	SE	CV	Number	SE	CV	Number	SE	CV	Number	SE	CV
Ethiopia	2,471,461	21,058	1	1,994,150	16,857	1	3,564,122	26,658	1	14,407,904	92,104	1	898,525	15,253	2
Tigray.....	115,029	4,331	4	139,442	4,814	3	203,453	5,665	3	854,121	18,280	2	50,495	2,962	6
Afar	30,627	2,821	9	24,612	2,113	9	42,976	5,417	13	168,090	14,329	9	10,228	2,699	26
Amhara	475,036	8,827	2	450,955	8,292	2	812,595	11,824	1	3,237,968	42,707	1	262,826	7,371	3
Oromia.....	1,189,223	15,490	1	804,878	10,405	1	1,527,978	16,343	1	6,155,288	65,176	1	368,070	9,882	3
Somali	39,738	2,969	7	30,232	2,398	8	46,574	3,279	7	208,169	10,289	5	7,689	1,116	15
Benshangul-Gumuz.....	17,073	845	5	16,364	800	5	30,570	1,227	4	105,600	3,742	4	4,512	494	11
S.N.N.P.....	581,887	9,373	2	509,807	8,483	2	866,379	15,019	2	3,562,344	41,479	1	189,587	7,923	4
Gambella.....	11,361	728	6	8,976	612	7	15,413	1,031	7	52,138	2,799	5	1,570	345	22
Harari.....	2,269	548	24	2,195	442	20	3,580	366	10	11,927	1,144	10	603	132	22
Addis Ababa.....	4,624	575	12	4,127	685	17	8,419	1,684	20	30,878	4,322	14	1,438	301	21
Diredawa.....	4,595	573	12	2,563	365	14	6,185	691	11	21,381	1,885	9	1,505	356	24

Annex Table 7.3- Estimates of Sheep, Standard Errors and Coefficients of Variation by Age group, and Region

Male Sheep

Geographic Area	<6MONTHS			6MONTHS - <1YEAR			1-<2YEARS			2 YEARS & OLDER		
	Number	SE	CV	Number	SE	CV	Number	SE	CV	Number	SE	CV
Ethiopia	1,902,873	21,249	1	700,544	11,382	2	490,366	11,306	2	807,270	20,259	3
Tigray.....	87,271	3,889	4	32,988	1,587	5	21,076	1,330	6	36,956	2,269	6
Afar	11,254	2,079	18	6,714	783	12	6,484	1,037	16	11,874	1,666	14
Amhara	702,371	14,935	2	238,478	6,536	3	160,843	6,854	4	274,165	14,075	5
Oromia	696,555	11,898	2	225,658	6,060	3	133,028	5,117	4	171,357	5,427	3
Somali	38,476	3,108	8	23,874	2,714	11	23,507	3,266	14	44,855	4,483	10
Benshangul-Gumuz	7,938	553	7	3,617	325	9	2,247	195	9	3,128	265	8
S.N.N.P.....	342,898	7,507	2	164,322	6,274	4	138,727	6,396	5	258,800	12,417	5
Gambella.....	6,208	564	9	944	160	17	699	116	17	1,245	190	15
Harari	655	134	20	408	108	27	453	108	24	540	131	24
Addis Ababa	4,243	468	11	1,697	161	10	1,302	145	11	2,145	585	27
Diredawa.....	5,003	750	15	1,846	270	15	1,998	399	20	2,204	459	21

Annex Table 7.3-Cont'd

Female Sheep

Geographic Area	<6MONTHS			6MONTHS - <1YEAR			1-<2YEARS			2 YEARS & OLDER		
	Number	SE	CV	Number	SE	CV	Number	SE	CV	Number	SE	CV
Ethiopia	2,030,873	23,901	1	1,021,151	15,732	2	1,250,141	19,004	2	6,452,347	71,286	1
Tigray.....	91,916	4,933	5	44,730	2,563	6	65,425	3,331	5	306,849	11,791	4
Afar	18,473	2,200	12	15,470	1,672	11	18,640	2,468	13	71,475	11,499	16
Amhara	730,689	16,236	2	339,578	9,385	3	401,189	11,246	3	2,473,016	50,892	2
Oromia	737,719	12,651	2	311,283	6,931	2	379,042	9,352	2	2,036,374	31,067	2
Somali	44,095	4,097	9	40,032	4,728	12	45,936	4,308	9	194,044	18,102	9
Benshangul-Gumuz	8,484	474	6	4,832	396	8	5,759	375	7	22,765	1,231	5
S.N.N.P.....	384,010	10,023	3	255,406	8,893	3	322,553	10,525	3	1,303,098	30,329	2
Gambella.....	6,364	508	8	5,624	499	9	5,792	506	9	16,869	1,378	8
Harari	567	155	27	331	89	27	503	111	22	2,316	301	13
Addis Ababa	4,034	383	10	2,090	236	11	2,249	202	9	11,923	1,167	10
Diredawa.....	4,521	730	16	1,775	319	18	3,051	478	16	13,616	1,744	13

Annex Table 7.4- Estimates of Goats, Standard Errors and Coefficients of Variation by Age group, and Region

Male Goats

Geographic Area	<6MONTHS			6MONTHS - <1YEAR			1-<2YEARS			2 YEARS & OLDER		
	Number	SE	CV	Number	SE	CV	Number	SE	CV	Number	SE	CV
Ethiopia	1,665,462	20,490	1	793,170	12,874	2	669,753	13,769	2	1,135,966	39,512	3
Tigray.....	205,150	6,749	3	95,616	3,472	4	88,044	3,777	4	146,656	6,740	5
Afar	19,227	3,722	19	13,607	3,108	23	12,731	2,497	20	20,790	3,517	17
Amhara	507,609	12,393	2	226,339	7,631	3	186,101	6,734	4	344,041	30,486	9
Oromia	579,406	11,961	2	241,803	5,656	2	179,097	5,982	3	265,792	19,233	7
Somali	54,407	3,677	7	27,101	2,178	8	23,314	2,033	9	50,164	4,270	9
Benshangul-Gumuz	24,046	864	4	11,515	576	5	7,678	476	6	11,815	772	7
S.N.N.P.....	250,996	6,848	3	168,257	6,757	4	165,940	9,108	5	289,952	13,583	5
Gambella.....	6,464	470	7	1,385	180	13	1,396	200	14	1,249	186	15
Harari.....	2,541	297	12	1,234	189	15	1,111	178	16	845	149	18
Addis Ababa	2,122	752	35	2,168	1,630	75	922	631	68	1,296	635	49
Dire-dawa.....	13,494	1,327	10	4,145	591	14	3,420	423	12	3,367	570	17

Annex Table 7.4 – Cont'd

Female Goats

Geographic Area	<6MONTHS			6MONTHS - <1YEAR			1-<2YEARS			2 YEARS & OLDER		
	Number	SE	CV	Number	SE	CV	Number	SE	CV	Number	SE	CV
Ethiopia	1,797,217	23,635	1	1,054,913	17,135	2	1,299,388	22,731	2	5,245,693	79,983	2
Tigray.....	216,753	7,232	3	131,817	4,971	4	174,656	6,364	4	700,436	19,807	3
Afar	35,607	4,731	13	30,153	4,375	15	43,406	7,893	18	131,935	18,604	14
Amhara	526,309	13,534	3	263,286	8,721	3	320,164	9,592	3	1,442,010	59,480	4
Oromia	607,065	13,494	2	319,019	7,511	2	370,733	10,748	3	1,612,053	32,407	2
Somali	65,556	4,530	7	49,559	4,165	8	57,358	4,569	8	247,102	15,635	6
Benshangul-Gumuz	29,007	1,178	4	20,039	959	5	22,538	1,078	5	73,832	2,557	3
S.N.N.P.....	290,847	9,653	3	224,007	9,748	4	291,195	13,474	5	969,882	28,142	3
Gambella.....	7,923	511	6	6,978	556	8	7,274	535	7	16,406	1,010	6
Harari.....	2,399	286	12	1,453	201	14	1,709	229	13	7,807	632	8
Addis Ababa	1,670	501	30	2,429	1,629	67	1,613	741	46	6,641	3,449	52
Dire-dawa.....	14,081	1,730	12	6,172	993	16	8,741	1,374	16	37,588	3,805	10

Annex Table 7.5- Estimates of Horses, Standard Errors and Coefficients of Variation by Age group, and Region

Geographic Area	MALE						FEMALE					
	<3YEARS			3YEARS & OLDER			<3YEARS			3YEARS & OLDER		
	Number	SE	CV	Number	SE	CV	Number	SE	CV	Number	SE	CV
Ethiopia	174,600	4,152	2	567,335	9,719	2	173,435	3,918	2	588,838	10,896	2
Tigray.....	1,342	278	21	4,493	553	12	274	84	31	1,488	335	23
Afar	-	-	-	55	17	30	-	-	-	-	-	-
Amhara	35,776	1,855	5	99,480	4,661	5	38,313	2,109	6	132,873	5,674	4
Oromia	108,885	3,438	3	343,706	7,601	2	105,436	2,986	3	336,377	8,194	2
Somali	-	-	-	40	10	24	-	-	-	11	5	43
Benshangul-Gumuz	63	36	57	186	56	30	55	33	60	255	82	32
S.N.N.P.....	28,346	1,368	5	117,002	3,766	3	29,353	1,406	5	117,795	4,389	4
Gambella.....	-	-	-	338	105	31	-	-	-	-	-	-
Harari	-	-	-	1	1	128	-	-	-	-	-	-
Addis Ababa	187	163	87	1,905	674	35	4	5	125	40	23	59
Dire-dawa.....	-	-	-	127	38	30	-	-	-	-	-	-

Annex Table 7.6- Estimates of Asses, Standard Errors and Coefficients of Variation by Age group, and Region

Geographic Area	MALE						FEMALE					
	<3YEARS			3YEARS & OLDER			<3YEARS			3YEARS & OLDER		
	Number	SE	CV	Number	SE	CV	Number	SE	CV	Number	SE	CV
Ethiopia	495,078	5,808	1	1,340,918	13,441	1	498,736	5,865	1	1,628,237	14,658	1
Tigray.....	43,898	1,426	3	171,132	4,038	2	41,849	1,396	3	146,638	3,144	2
Afar	2,048	521	25	2,984	420	14	1,423	295	21	5,012	770	15
Amhara	213,425	3,867	2	392,813	7,548	2	225,957	4,121	2	632,826	8,426	1
Oromia	191,922	3,568	2	581,572	8,360	1	188,294	3,493	2	664,475	9,178	1
Somali	9,179	726	8	34,845	1,938	6	8,006	696	9	32,605	2,213	7
Benshangul-Gumuz	3,509	266	8	17,577	820	5	2,566	225	9	7,301	440	6
S.N.N.P.....	28,995	1,758	6	116,411	3,510	3	28,639	1,611	6	131,045	6,595	5
Gambella.....	8	5	69	198	50	25	-	-	-	59	15	25
Harari	476	123	26	3,304	461	14	428	116	27	1,995	419	21
Addis Ababa	649	122	19	16,540	4,489	27	602	77	13	1,832	213	12
Dire-dawa.....	969	148	15	3,544	467	13	972	163	17	4,450	598	13

Annex Table 7.7- Estimates of Mules, Standard Errors and Coefficients of Variation by Age group, and Region

Geographic Area	MALE						FEMALE					
	<3YEARS			3YEARS & OLDER			<3YEARS			3YEARS & OLDER		
	Number	SE	CV	Number	SE	CV	Number	SE	CV	Number	SE	CV
Ethiopia	22,773	1,134	5	150,976	3,467	2	27,010	1,273	5	153,362	3,388	2
Tigray.....	274	106	39	6,355	614	10	366	131	36	9,423	695	7
Afar	-	-	-	129	40	31	-	-	-	126	25	20
Amhara	8,849	724	8	39,830	2,121	5	12,538	904	7	44,298	2,136	5
Oromia.....	9,888	757	8	69,146	2,092	3	10,936	791	7	68,470	2,065	3
Somali	-	-	-	581	151	26	43	17	40	9	9	103
Benshangul-Gumuz.....	13	9	69	613	87	14	11	11	98	756	107	14
S.N.N.P.....	3,644	417	11	33,621	1,605	5	3,042	396	13	30,058	1,461	5
Gambella.....	-	-	-	4	3	77	-	-	-	8	7	88
Harari	-	-	-	52	31	61	-	-	-	-	-	-
Addis Ababa	28	18	65	640	399	62	-	-	-	141	129	91
Diredawa.....	78	46	59	6	6	94	73	45	63	73	45	63

Annex Table 7.8- Estimates of Camels, Standard Errors and Coefficients of Variation by Age group, and Region

Geographic Area	MALE						FEMALE					
	<4YEARS			4YEARS & OLDER			<4YEARS			4YEARS & OLDER		
	Number	SE	CV	Number	SE	CV	Number	SE	CV	Number	SE	CV
Ethiopia	54,055	2,713	5	136,012	5,604	4	68,409	4,126	6	224,284	12,096	5
Tigray.....	2,873	653	23	36,638	3,182	9	98	53	54	183	90	49
Afar	6,174	894	14	14,800	2,677	18	16,870	2,394	14	54,419	7,595	14
Amhara	3,072	625	20	20,704	1,639	8	130	96	74	4,570	817	18
Oromia.....	23,982	1,898	8	28,023	2,476	9	29,662	2,774	9	86,035	7,106	8
Somali	16,009	1,417	9	29,809	2,134	7	19,872	1,821	9	63,013	5,763	9
Benshangul-Gumuz.....	-	-	-	15	7	49	-	-	-	-	-	-
S.N.N.P.....	472	229	48	2,807	418	15	663	433	65	13,084	1,922	15
Gambella.....	-	-	-	5	5	100	-	-	-	-	-	-
Harari	221	156	71	103	81	78	324	235	73	870	619	71
Addis Ababa	-	-	-	-	-	-	-	-	-	-	-	-
Diredawa.....	1,252	235	19	3,109	746	24	789	161	20	2,111	395	19

Annex Table 7.9- Estimates of Poultry, Standard Errors and Coefficients of Variation By Type, and Region

Geographic Area	Total Poultry			Cocks			Cockerels			Pullets			Non-laying Hens			Chicks			Laying Hens		
	Number	SE	CV	Number	SE	CV	Number	SE	CV	Number	SE	CV	Number	SE	CV	Number	SE	CV	Number	SE	CV
Ethiopia	42,915,628	224,982	1	3,776,632	26,633	1	3,281,882	31,745	1	4,663,658	40,773	1	2,159,131	26,390	1	17,897,992	123,456	1	11,136,333	53,196	0
Tigray	4,999,678	66,588	1	372,110	7,074	2	368,830	9,039	2	512,941	12,244	2	430,062	9,774	2	1,903,905	35,314	2	1,411,830	14,703	1
Afar	56,376	6,216	11	4,588	684	15	3,492	582	17	5,691	902	16	5,126	793	15	24,207	2,428	10	13,273	1,619	12
Amhara	13,434,878	131,630	1	1,090,532	14,165	1	934,863	18,942	2	1,368,218	23,361	2	622,798	17,099	3	6,261,813	81,594	1	3,156,655	28,646	1
Oromia	14,784,303	135,922	1	1,450,607	17,815	1	1,161,676	18,887	2	1,556,293	22,583	1	707,679	14,297	2	5,874,179	68,461	1	4,033,869	32,124	1
Somali	154,746	11,689	8	19,383	1,725	9	11,997	1,886	16	16,391	1,322	8	8,051	789	10	42,756	4,081	10	56,169	4,210	8
Benshangul-Gumuz	961,196	20,955	2	70,591	1,800	3	77,868	2,795	4	120,181	4,009	3	27,901	1,635	6	469,573	10,653	2	195,082	4,819	2
S.N.N.P.	8,106,038	96,445	1	715,118	11,146	2	686,233	14,002	2	1,034,893	20,833	2	331,645	9,914	3	3,194,299	49,490	2	2,143,850	24,933	1
Gambella	237,930	9,564	4	32,230	1,311	4	24,970	1,314	5	32,763	1,638	5	17,058	1,070	6	74,123	4,013	5	56,787	2,094	4
Harari	33,046	3,610	11	4,148	525	13	3,430	586	17	3,745	690	18	1,569	357	23	9,893	1,482	15	10,260	1,144	11
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
Diredawa	47,273	3,661	8	5,594	643	12	2,745	471	17	4,779	654	14	2,250	444	20	13,000	1,318	10	18,905	1,526	8

Annex Table 7.10- Estimates of Beehives, Standard Errors and Coefficients of Variation By Type, and Region

Geographic Area	ALL BEEHIVES			TRADITIONAL			INTERMEDIATE			MODERN		
	Number	SE	CV	Number	SE	CV	Number	SE	CV	Number	SE	CV
Ethiopia	4,601,806	69,798	2	4,395,596	69,597	2	195,943	5,022	3	10,267	1,737	17
Tigray	228,683	7,615	3	218,270	7,472	3	8,708	816	9	1,706	300	18
Afar	773	158	20	658	140	21	115	73	64	-	-	-
Amhara	917,460	22,223	2	866,633	22,076	3	48,900	2,429	5	1,927	742	38
Oromia	2,270,166	59,409	3	2,172,212	59,312	3	92,665	3,457	4	5,289	1,492	28
Somali	7,212	1,480	21	6,347	1,446	23	605	359	59	260	266	102
Benshangul-Gumuz	166,736	9,177	6	166,499	9,178	6	89	70	78	148	148	100
S.N.N.P.	944,321	24,464	3	903,490	24,321	3	39,929	2,401	6	902	238	26
Gambella	59,222	10,232	17	58,625	10,227	17	597	302	51	-	-	-
Harari	969	223	23	952	221	23	-	-	-	17	20	113
Addis Ababa	4,231	756	18	670	139	21	3,543	743	21	18	12	68
Diredawa	2,034	493	24	1,240	287	23	794	401	51	-	-	-