

CHAPTER VIII

FARM IMPLEMENTS, DRAUGHT ANIMALS AND STORAGE FACILITIES

1. INTRODUCTION

Agriculture is the single largest sector in the Ethiopian economy. The position of the agricultural sector for the past few decades does not only concern the peasants, but on account of the extent of its inputs, outputs and its function as a largest employer of labour has a profound impact on the entire economy. It is worth to point-out that Ethiopia has large resources in terms of land, agricultural labour, draught animals, ...etc.

Despite all these facts, the average yield of the main food crops and livestock products attained by private peasant holders is very low and it is not adequate to feed the ever-growing population. Because of such prevailing conditions in the agricultural sector, the economy remained at subsistence level. Among the factors that hampered the country not to prosper is the use of primitive farm implements and tools by the peasants to operate their land and to raise livestock.

The role of improved agricultural implements and tools in raising the standard of farming efficiency and increasing average yield of production has been recognized for many years. Land preparation requires modern power source, which results in considerable farm efficiency and expansion of production. For sowing and fertilization, animal and tractor drawn machines appear to be capable of greater efficiency than only hand method. Power-driven line sowing and fertilization are more efficient than hand spreading and this is usually expected to result in higher yield for the same amount of fertilizers and seeds.

The traditional unimproved farm implements used by the peasants and the poor conditions of the draught animals are considered to be among the main factors that retarded the agricultural productivity in the country. On the other hand, the

development of farm implements and machineries can also be crippled by small land size holdings, abundant labour in rural area and non-availability of adequate access to modern farm implements and machineries, which the private peasant holders can afford to rent or buy. In general, effective development of farm implements and machineries takes place when land is abundant and labour is being rapidly absorbed by non-agricultural sector, (WB, 1984).

Since development programmes are in progress in Ethiopia, data generated from censuses and sample surveys on different types of agricultural outputs and inputs are necessary for the formulation of programmes and policies in the sector and thereby for monitoring and evaluation of the impact of the programmes. One of the objectives of this census was to provide benchmark data that can help to assess the growth, quantity, quality and value of farm implements and other farm equipment used by the private peasant holders so as to easily identify the implements that are abundant and those that are in short supply. The structural characteristics of these farm implements and other farm equipment do not change much from year to year and such data are usually obtained from a census of agriculture, which is conducted every 5 or 10 years.

Data on farm implements and other farm equipment have not been collected in Ethiopia and as a result only very little is known about the status and growth of these implements. Thus, in the Ethiopian agricultural census conducted in 2001/2002, data was collected on farm implements, other farm equipment and draught animals. These farm implements include, implements used for clearing land, cultivation, harvesting, threshing and others. In this census draught animals comprises animals engaged specifically in ploughing, threshing and farm transport facilities. Replacement value was one of the variables covered by this census and it is defined as the amount it would cost to replace the farm implement, equipment, draught animal and storage facility with those that are similar in terms of origin, age, quality or condition.

In this chapter the classification of farm implements, farm equipment, draught animals and storage facilities are presented in Section 2. Brief discussions of data on Summary Tables VIII.1 to VIII.6 are also provided in Section 3. Statistical Tables presenting the

census results at regional level are also given as Table series 8.1A - 8.35A and 8.1B - 8.35B. Finally, the estimates, Standard Errors (S.E.) and Coefficients of Variation (C.V.) on number of holders reporting, number of farm implements reported and total value are presented in the Annex Table to this chapter.

2. CLASSIFICATION OF FARM IMPLEMENTS, OTHER FARM EQUIPMENT AND DRAUGHT ANIMALS

The farm implements and draught animals reported were classified into the following eight groups: -

- Implements used for clearing land,
- Implements used for cultivation,
- Parts for traditional plough,
- Implements used for harvesting,
- Implements used for threshing,
- Other farm equipment,
- Draught animals for farm activity, and
- Storage facilities.

These eight groups further broken down to include the following implements and other farm equipment:

2.1 Implements used for clearing land: -

- a) Axes,
- b) 'Gejera '(Chopper), and
- c) Shovel.

2.2 Implements used for cultivation: -

- a) Hoe,
- b) 'Mekeskesha',
- c) Pick-Axe, and
- d) Tractor.

2.3 Parts for traditional plough: -

- a) 'Deger',
- b) 'Erfe',
- c) Plough-Beam,
- d) Plough-Tip, and
- e) 'Wegel'-Tip.

2.4 Implement used for harvesting: -

- a) Sickle.

2.5 Implements used for threshing: -

- a) Hay- Fork (metal or wood),
- b) Threshing Stick, and
- c) Winnowing (metal or wood).

2.6 Other farm equipment: -

- a) Cart (hauling),
- b) Sprayer (hand operated),
- c) Sprayer (power operated),
- d) Tying Tool, and
- e) Wheelbarrow.

2.7 Draught animals: -

- a) Animals deployed specifically in ploughing.
 - Ass/Donkey,
 - Camel,
 - Horse,
 - Mule, and
 - Ox.

b) Animals deployed in threshing or transportation: -

- Ass/Donkey,
- Camel,
- Cattle (Working Age),
- Horse, and
- Mule.

2.8 Storage facilities: -

- a) 'Debignit'(Local storage),
- b) 'Gottera' (Local storage),
- c) 'Gudguad'(Local storage), and
- d) Modern storage.

Definitions of storage facilities

'Debignit': - is a round vessel of earthenware storage attached with the wall of a house. The shape of 'Debignit' is similar to the shape of a barrel. Debignit is usually around 1 metre high and 0.5-1metres wide.

'Gottera': - is storage made of bamboo plant. The bamboo is split and then crisscrossed and woven like a giant basket. Finally, it is laminated with a mixture of animal dung and dry grass (straw). 'Gottera' is usually about 1-3 metres high and about 1 metre wide.

'Gudguad': - is an underground storage, which is formed by digging the ground with certain depth and radius. The wall of 'Gudguad' is usually laminated with animal dung.

Modern storage: - is a storage that has a better quality in protecting grains from humidity and pests than the above mentioned storages.

3. ESTIMATES OF FARM IMPLEMENTS, DRAUGHT ANIMALS AND STORAGE FACILITIES.

The type, quality and quantity of tools and implements in use usually indicate the level of farming practice and agricultural development of a country. Hence, the results of this census can give us some highlights to evaluate the farming system in Ethiopia. In this report farm implements are grouped in terms of their operation and this can help to make appropriate comparisons.

3.1 Farm Implements and Tools

The data in Summary Table VIII.1 indicates that the number of holders reporting axe was the highest followed by 'Gejera'(Chopper) while shovel was the lowest. In Ethiopia it is estimated that there were about 10,316,336 crop holders in rural areas of which about 8,271,873 (80.18%) reported to own axes, about 26.87% reporting 'Gejeras' (choppers), and 23.74% reporting shovels. Among the farm implements used for clearing land, the number of observation for axe was highest and the total value for axe was also the highest followed by 'Gejeras'. The expected duration of service of an axe was estimated to be 9 years, while for 'Gejera' and shovel it was 8 years each.

One of the labour and power intensive farm activities is cultivation. It comprises digging, ploughing, sowing and weeding. In order to accomplish such operations, the Ethiopian peasants use hoe, 'Mekeskesha', pick-axe, and traditional plough. Among these farm implements and tools hoe was the highest in terms of number of holders reporting, total number of implements reported and total value. The second highest was pick-axe while 'Mekeskesha' was the lowest. The data in Summary Table VIII.4 revealed that the percentage distribution of the number of crop holders that owned one, two, three, four and five and above hoes was 23.58%, 6.44%, 1.29%, 0.49% and 0.27%, respectively.

3.2 Draught Animals

Peasants in Ethiopia use domestic animals for draught purpose. In several parts of the country since holdings are far from residence and as a result asses, horses, mules and

camels are used to transport various types of goods and agricultural products from holding to residence and vice-versa. As it is indicated from the data in Summary Table VIII.2, among the draught animals that are used for ploughing, ox was the highest in terms of number of holders reporting, number of oxen reported and total value the oxen amounted to 6 billion Birr. About 6 million holders (59.14% of the total crop holders in the country) reported 14 million cattle (working age cattle) used for threshing and these cattle had a value of over 7.7 billion Birr and the average replacement value of a working age cattle was about 226.91 Birr. It was also indicated that asses and horses were used by the holders for threshing and transportation.

The data in Summary Table VIII.4, reveals that in Ethiopia there were about 10,316,336 crop holders in rural areas. Among these 25.43%, 26.27%, 2.7%, 2.24%, and 0.48% holders owned one, two, three, four, and five and above oxen. On the other hand about 42.43% of the crop holders did not own an ox.

In most rural parts of Ethiopia it is essential at least to have a pair of oxen for ploughing. The percentage distribution of oxen presented in Summary Table VIII.4 shows that 42.43% of the total crop holders did not own an ox and 25.43% of the total holders own only one ox. This shows us 67.86% of the total crop holders in rural areas of Ethiopia did not own pair of oxen.

As it is mentioned above, holders with crop fields need at least a pair of oxen to plough their field. However, in some parts of Ethiopia, a pair of oxen may not be essential for a holder because of the type of holding he has. For instance, holders having only 'Chat', 'Enset', or coffee fields may use hand hoe to prepare their land instead of a pair of oxen. In some regions there can also be other factors, which may not force peasants to use a pair of oxen, such as topography, land holding size, lack of traditional experience of ploughing, and other means of subsistence like hunting and being semi-nomadic. Due to these reasons the data in Summary Table VIII.5 and VIII.6 is presented not to make comparisons between regions but to show the number of crop holders and the percentage distribution of those who did not own a pair of oxen to plough their field.

The data in Summary Table VIII.5 shows that out of the total crop holders in the country (10,316,336) the percentage share of the holders (7,000,790) who did not own a pair of oxen was 67.86 percent. Out of the 7,000,790 holders 35.79 percent are found in Oromia, 29.27 percent in S.N.N.P., 26.01 percent in Amhara, 5.84 percent in Tigray, 1.41 percent in Benshangul-Gumu, 0.76 percent in Somali, 0.37 percent in Gambela, 0.18 percent in Dire Dawa, 0.16 percent in Harai, 0.15 percent in Afar and 0.07 percent in the rural areas of Addis Ababa city administration.

Considering the total crop holders in each region, the percentage distribution for the number of holders, who did not own a pair of oxen, in Oromia region are found to be 62.92 percent, S.N.N.P. 86.08 percent, Amhara 60.91 percent, Tigray 60.82 percent, Benshangul-Gumuz 80.92 percent, Somali 59.81 percent, Gambela 97.98 percent, Dire Dawa administration council 89.06 percent, Afar 73.07 percent and in the rural areas of Addis Ababa city administration 36.73 percent. This percentage distribution is presented in Summary Table VIII.6

3.3 Storage Facilities

One of the methods that minimize post harvest production losses is the usage of modern storage facilities. During the census, data was collected on modern storage facilities and the unimproved local storage facilities such as 'Debignit', 'Gottera' and 'Gudguad'. In this census, buildings or any structure used as storage facilities and other containers that have better storage quality to protect agricultural products from humidity and pests are considered as modern storage facilities.

The data in Summary Table VIII.3 shows the number of holders reporting storage facilities and number of such facilities. Thus, the data in the table reveals that 'Gottera' was reported by the highest number of holders. However, in terms of number of storage facilities reported 'Debignit' was the highest. On the other hand modern storage facilities was reported by insignificant number of holders. The total value of all reported storage facilities was assessed to be 235,889,990 Birr, of which 53.01% and 30.2% comprises of 'Gottera' and 'Debignit', respectively.

SUMMARY TABLE VIII.1:-Number and Percentage of Holders Reporting Implements and Other Farm Equipment by type, Quantity Reported, Replacement Value, and Duration of Implement, for Private Holdings, Country Level.

Implements and Equipment	Number of Holders Reporting	Percent of Total Holders	Number of Implements and Equipment		Total Value of Imp. and Eq. (Birr)	Average Replacement Value Per Imp. and Eq. (Birr)	Average Duration of Service of Imp. and Eq. (Years)
			Total Reported	Average ¹ Per Crop Holder			
Used for Clearing Land							
Axes	8,271,873	80.18	13,482,354	1.31	102,110,823	4.75	9
'Gejeras' (Choppers).....	2,772,239	26.87	3,538,230	0.34	42,126,332	9.58	8
Shovels.....	2,449,144	23.74	2,731,105	0.26	29,825,513	9.73	8
Used for Cultivation							
Hoes	3,308,763	32.07	4,538,758	0.44	38,838,253	6.53	7
'Mekeskeshas'.....	576,415	5.59	834,569	0.08	4,291,948	3.99	5
Pick-Axes.....	2,922,674	28.33	4,123,466	0.40	29,344,848	5.41	7
Tractor	-	-	-	-	-	-	-
Parts for traditional Plough							
'Degers'.....	6,380,575	61.85	11,961,367	1.16	28,301,057	1.32	2
'Erfes'.....	6,289,158	60.96	9,703,402	0.94	18,627,954	1.22	2
Plough-Beams.....	6,436,099	62.39	9,585,674	0.93	83,913,636	6.04	4
Plough -Tips.....	6,433,074	62.36	7,550,864	0.73	119,845,788	13.44	6
'Wegel'-Tips	6,315,357	61.22	7,357,748	0.71	33,828,497	3.93	5
Yokes	6,392,643	61.97	7,721,821	0.75	51,305,267	5.47	5
Used for Harvesting							
Sickles	8,007,178	77.62	14,240,730	1.38	97,941,253	4.23	5
Used for Threshing							
Hay-Forks (metal).....	396,089	3.84	490,009	0.05	7,081,509	11.78	10
Hay-Forks (wood).....	3,790,823	36.75	6,366,262	0.62	23,221,919	2.23	4
Threshing Sticks	1,474,177	14.29	3,085,391	0.30	3,921,309	0.75	2
Winnowers (metal)	24,794	0.24	28,614	0.00	230,745	7.09	8
Winnowers (wood)	2,293,855	22.24	2,619,392	0.25	19,919,586	6.74	8
Other farm Equipment							
Carts	56,297	0.55	64,924	0.01	14,242,063	206.87	7
Sprayers (Hand operated)	92,258	0.89	105,090	0.01	19,576,370	183.30	7
Sprayers (Power operated) ..	*	*	*		*	*	*
Tying Tools.....	*	*	*		*	*	*
Wheelbarrows	23,222	0.23	24,517	0.00	2,300,144	90.17	9

- Average¹ per crop holder is the ratio of total number of each implement reported to total number of crop holders in rural areas in the region.
- Total number of crop holders comprises, holders participated in crop production only and both crop production and livestock rearing

SUMMARY TABLE VIII.2:-Number and Percentage of Holders Reporting Draught Animals, Quantity Reported, Replacement Value, and Average Age of Animal, for Private Holdings, Country Level.

Draught Animals	Number of Holders Reporting	Percent of Total Holders	Number of Animals		Total Value of Animals (Birr)	Average Replacement Value Per Animal (Birr)	Average Age of Animal (Years)
			Total Reported	Average ¹ Per Crop Holder			
Used for Ploughing							
Asses	32,368	0.31	41,711	0.00	17,194,162	308.84	7
Camels.....	1,103	0.01	1,238	0.00	1,589,323	1,177.28	10
Horses	60,048	0.58	86,382	0.01	30,357,567	245.05	8
Mules.....	3,879	0.04	4,096	0.00	3,038,525	716.41	10
Oxen	5,938,455	57.56	10,518,673	1.02	6,033,407,759	329.30	7
Used for Threshing or Transportation							
Asses	2,318,167	22.47	2,878,737	0.28	650,386,746	184.67	8
Camels.....	47,091	0.46	75,786	0.01	81,630,684	680.57	9
Cattle	6,101,543	59.14	14,749,936	1.43	7,714,695,707	226.91	7
Horses	684,651	6.64	909,604	0.09	321,431,122	271.10	8
Mules.....	196,128	1.90	206,375	0.02	169,874,134	787.32	10

- Average¹ per crop holder is the ratio of total number of each draught animal reported to total number of crop holders in rural areas in the region.
- Total number of crop holders comprises, holders participated in crop production only and both crop production and livestock rearing.

SUMMARY TABLE VIII.3: - Number and Percentage of Holders Reporting Storage facilities, Quantity Reported, Replacement Value, and Storage Capacity, for Private Holdings, Country Level.

Storage Structure	Number of Holders Reporting	Percent of Total Storage Holders	Number of Storages		Total Value of Storages (Birr)	Average Replacement Value Per Storage (Birr)	Average Storage Capacity Per Storage (Quintal)
			Total Reported	Average ¹ Per Crop Holder			
'Debignits'	3,720,280	36.06	9,607,886	0.93	71,234,536	2.78	4
'Gotteras'	3,990,337	38.68	6,739,609	0.65	125,041,082	11.51	10
'Gudguads'	1,762,471	17.08	2,204,445	0.21	37,032,034	14.33	7
Modern Storage Structures....	26,858	0.26	40,586	0.00	2,582,339	59.06	34

- Average¹ per crop holder is the ratio of total number of each storage facility reported to total number of crop holders in rural areas in the region.
- Total number of crop holders comprises, holders participated in crop production only and both crop production and livestock rearing.

**SUMMARY TABLE VIII.4: -Number of Crop Holders that Owned Farm Implements, Equipment and Draught Animals.
Country Level**

Name of Implement, Equipment, and Draught Animal	Number of Crop holders that owned											
	No Implement, Equipment, or Draught Animal		One Implement, Equipment, and Draught Animal		Two Implements, Equipment, and Draught Animals		Three Implements, Equipment, and Draught Animals		Four Implements, Equipment, and Draught Animals		Five and above Implements, Equipment, and Draught Animals	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Used for Clearing Land												
Axes	2,044,381	19.82	4,603,004	44.62	2,636,725	25.56	743,170	7.20	202,311	1.96	86,745	0.84
'Gejera'	7,543,941	73.13	2,191,282	21.24	461,814	4.48	81,445	0.79	25,087	0.24	12,767	0.12
Shovel	7,867,137	76.26	2,209,774	21.42	208,679	2.02	23,545	0.23	4,600	0.04	2,601	0.03
Used for Cultivation												
Hoes	7,007,561	67.93	2,432,894	23.58	664,795	6.44	132,826	1.29	50,388	0.49	27,872	0.27
'Mekeskeshas'	9,739,919	94.41	395,357	3.83	130,732	1.27	32,552	0.32	12,573	0.12	5,203	0.05
Pick Axes	7,393,595	71.67	2,074,236	20.11	624,791	6.06	152,879	1.48	46,486	0.45	24,349	0.24
Tractors	10,316,093	100.00	-	-	-	-	-	-	-	-	-	-
Parts for traditional Plough												
'Degers'	3,935,692	38.15	2,820,237	27.34	2,668,484	25.87	168,397	1.63	587,309	5.69	136,217	1.32
'Erfes' (Handle)	4,026,966	39.03	3,968,262	38.47	1,706,513	16.54	377,327	3.66	166,000	1.61	71,268	0.69
Plough-Beam.	3,880,121	37.61	4,075,124	39.50	1,814,053	17.58	385,478	3.74	117,768	1.14	43,792	0.42
Plough -Tips	3,883,158	37.64	5,449,902	52.83	894,550	8.67	66,234	0.64	16,253	0.16	6,239	0.06
'Wegel' -Tips	4,000,864	38.78	5,426,673	52.60	792,107	7.68	64,831	0.63	23,896	0.23	7,965	0.08
Yokes	3,923,579	38.03	5,220,173	50.60	1,060,768	10.28	81,753	0.79	23,676	0.23	6,387	0.06
Used for Harvesting												
Sickles	2,308,951	22.38	4,037,970	39.14	2,573,253	24.94	861,050	8.35	348,337	3.38	186,775	1.81
Used for Threshing												
Hay-Forks (Metal)	9,920,200	96.16	317,901	3.08	66,498	0.64	8,888	0.09	2,392	0.02	457	0.00
Hay-Forks (Wood)	6,525,318	63.25	2,036,063	19.74	1,225,028	11.87	347,445	3.37	124,577	1.21	57,905	0.56
Threshing Sticks	8,841,992	85.71	730,885	7.08	425,066	4.12	128,572	1.25	94,877	0.92	94,944	0.92
Winnowers (Metal)	10,291,088	99.76	22,557	0.22	2,153	0.02	319	0.00	35	0.00	184	0.00
Winnowers (Wood)	8,022,330	77.76	2,010,746	19.49	253,913	2.46	21,012	0.20	6,235	0.06	2,100	0.02
Other Farm Equipment												
Carts	10,259,926	99.45	49,454	0.48	5,897	0.06	527	0.01	503	0.00	29	0.00
Sprayers (Hand Operated)	10,223,500	99.10	83,914	0.81	6,528	0.06	1,674	0.02	430	0.00	290	0.00
Sprayers (Power Operated)	10,315,874	100.00	*	-	*	-	*	-	-	-	-	-
Tying Tools	10,316,216	100.00	*	-	-	-	-	-	-	-	-	-
Wheelbarrows	10,292,773	99.77	22,668	0.22	648	0.01	115	0.00	75	0.00	57	0.00
Animals Used for Ploughing												
Asses	10,283,627	99.68	24,532	0.24	7,181	0.07	673	0.01	257	0.00	66	0.00
Camels	10,315,138	99.99	1,026	0.01	172	0.00	-	-	-	-	-	-
Horses	10,256,151	99.42	38,192	0.37	18,800	0.18	2,391	0.02	661	0.01	141	0.00
Mules	10,312,456	99.96	3,446	0.03	385	0.00	49	0.00	-	-	-	-
Oxen	4,377,474	42.43	2,623,316	25.43	2,756,638	26.72	278,428	2.70	231,265	2.24	49,215	0.48
Animals Used for Threshing or Transportation												
Asses	7,998,029	77.53	1,888,772	18.31	365,037	3.54	50,027	0.48	9,183	0.09	5,288	0.05
Camels	10,269,119	99.54	32,665	0.32	8,872	0.09	2,479	0.02	1,389	0.01	1,812	0.02
Cattle	4,214,606	40.85	2,126,708	20.61	2,196,319	21.29	722,209	7.00	519,911	5.04	536,583	5.20
Horses	9,631,680	93.36	522,285	5.06	127,188	1.23	25,948	0.25	6,820	0.07	2,415	0.02
Mules	10,120,152	98.10	187,603	1.82	7,716	0.07	484	0.00	211	0.00	170	0.00
Storage Structure												
'Debignits'	6,595,925	63.94	943,022	9.14	1,163,403	11.28	834,488	8.09	451,314	4.37	328,184	3.18
'Gottaras'	6,325,749	61.32	2,310,771	22.40	1,057,433	10.25	391,032	3.79	148,144	1.44	83,207	0.81
'Gudguads'	8,553,601	82.91	1,432,633	13.89	255,466	2.48	52,756	0.51	15,292	0.15	6,588	0.06
Modern Storages	10,289,374	99.74	18,489	0.18	5,081	0.05	2,269	0.02	610	0.01	513	0.00

SUMMARY TABLE VIII. 5:-Number of holders who did not own a pair of oxen and their percentage distribution by Geographic area.

Geographic area	No pair of oxen	
	Holders	Percent
Country Level	7,000,790	100.00
Oromia Region	2,505,263	35.79
S.N.N.P.R Region	2,049,288	29.27
Amhara Region	1,820,711	26.01
Tigray Region	408,582	5.84
Benshangul-Gumuz Region	98,751	1.41
Somali Region	53,465	0.76
Gambela Region	26,234	0.37
Dere Dawa Region	12,572	0.18
Harari Region	10,942	0.16
Afar Region	10,208	0.15
Addis Ababa Region	4,774	0.07

SUMMARY TABLE VIII. 6:- Percentage distribution and Estimated number of crop holders that owned no ox, one ox and no pair of oxen by Geographic area.

Geographic area	Total Number of Crop Holders	Number of holders that owned					
		No ox		One ox		No pair of oxen	
		Holders	%	Holders	%	Holders	%
Country Level	10,316,336	4,377,474	42.43	2,623,316	25.43	7,000,790	67.86
Oromia Region	3,981,704	1,585,498	39.82	919,765	23.10	2,505,263	62.92
S.N.N.P.R Region	2,380,744	1,551,113	65.15	498,175	20.93	2,049,288	86.08
Amhara Region	2,989,354	867,214	29.01	953,497	31.90	1,820,711	60.91
Tigray Region	671,737	196,416	29.24	212,166	31.58	408,582	60.82
Benshangul-Gumuz Region	122,033	84,553	69.29	14,198	11.63	98,751	80.92
Somali Region	89,389	37,113	41.52	16,352	18.29	53,465	59.81
Gambela Region	26,775	25,561	95.47	673	2.51	26,234	97.98
Dire Dawa Administrative Council	14,116	8,802	62.35	3,770	26.71	12,572	89.06
Harari Region	13,516	8,661	64.08	2,281	16.88	10,942	80.96
Afar Region	13,970	8,898	63.69	1,310	9.38	10,208	73.07
Addis Ababa City Administration	12,998	3,645	28.04	1,129	8.69	4,774	36.73

STATISTICAL TABLES PRESENTING THE CENSUS
RESULTS AT
ZONAL AND WOREDA LEVELS

Tables 8.1A- 8.35A

TABLE 8.1A: - Number of Holders Reporting Axe Owned, Quantity Reported, Replacement Value, and Duration of Service of Axe, for Private Holdings.

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Axes Reported	Average Number Per Crop Holder	Total Value (Birr)	Average Replacement Value Per Axe (Birr)	Average Duration of Service of Axe (Years)
Country Level	10,316,336	8,271,875	13,482,353	1.31	102,110,823	4.75	9
Tigray Region.....	671,737	481,318	715,388	1.06	8,779,927	8.47	12
Afar Region	13,970	9,359	17,580	1.26	161,295	6.18	7
Amhara Region	2,989,354	2,517,188	4,524,079	1.51	27,793,994	3.46	9
Oromia Region	3,981,704	3,180,735	5,054,757	1.27	44,271,946	5.56	9
Somali Region.....	89,389	74,544	102,402	1.15	1,322,478	9.38	5
Benshangul-Gumuz Region	122,033	112,436	193,238	1.58	1,792,568	5.46	9
S.N.N.P. Region	2,380,744	1,845,265	2,802,458	1.18	17,050,300	4.11	8
Gambela Region.....	26,775	17,932	21,575	0.81	346,336	13.80	11
Harari Region.....	13,516	11,375	17,801	1.32	185,034	6.46	8
Addis Ababa City Administration...	12,998	9,674	14,257	1.10	170,633	8.06	20
Dire Dawa Administrative Council	14,116	12,049	18,818	1.33	236,312	7.68	9

TABLE 8.2A: - Number of Holders Reporting 'Gejera' Owned, Quantity Reported, Replacement Value, and Duration of Service of 'Gejera', for Private Holdings.

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of 'Gejeras' Reported	Average Number Per Crop Holder	Total Value (Birr)	Average Replacement Value Per 'Gejera' (Birr)	Average Duration of Service of 'Gejera' (Years)
Country Level.....	10,316,336	2,772,238	3,538,228	0.34	42,126,332	9.58	8
Tigray Region.....	671,737	283,849	317,408	0.47	3,949,718	11.14	12
Afar Region	13,970	3,994	5,098	0.36	102,017	15.59	7
Amhara Region	2,989,354	168,214	183,993	0.06	1,701,068	8.47	9
Oromia Region	3,981,704	1,333,104	1,749,572	0.44	22,959,673	10.41	8
Somali Region.....	89,389	13,335	15,885	0.18	224,903	12.10	6
Benshangul-Gumuz Region	122,033	46,304	60,996	0.50	725,782	9.20	9
S.N.N.P. Region	2,380,744	899,093	1,171,660	0.49	11,820,485	7.94	7
Gambela Region.....	26,775	23,406	32,632	1.22	629,730	14.09	6
Harari Region	13,516	*	*	-	*	*	*
Addis Ababa City Administration	12,998	370	377	0.03	6,354	16.22	*
Dire Dawa Administrative Council	14,116	569	607	0.04	6,602	10.10	9

TABLE 8.3A:- Number of Holders Reporting Shovel Owned, Quantity Reported, Replacement Value, and Duration of Service of Shovel, for Private Holdings.

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Shovels Reported	Average Number Per Crop Holder	Total Value (Birr)	Average Replacement Value Per Shovel (Birr)	Average Duration of Service of Shovel (Years)
Country Level.....	10,316,336	2,449,144	2,731,105	0.26	29,825,513	9.73	8
Tigray Region.....	671,737	290,835	310,158	0.46	3,767,765	11.41	10
Afar Region	13,970	8,170	10,732	0.77	153,788	11.07	7
Amhara Region	2,989,354	464,678	493,115	0.16	4,253,731	8.19	9
Oromia Region	3,981,704	1,214,645	1,398,222	0.35	16,286,908	10.07	6
Somali Region.....	89,389	57,807	77,500	0.87	1,206,037	11.75	5
Benshangul-Gumuz Region	122,033	18,980	20,188	0.17	237,645	11.09	10
S.N.N.P. Region	2,380,744	358,864	375,770	0.16	3,488,146	8.84	8
Gambela Region.....	26,775	2,856	3,029	0.11	38,939	12.25	8
Harari Region	13,516	12,439	18,695	1.38	148,683	5.13	2
Addis Ababa City Administration	12,998	6,945	7,646	0.59	108,781	12.96	10
Dire Dawa Administrative Council	14,116	12,925	16,050	1.14	135,090	6.66	3

TABLE 8.4A: - Number of Holders Reporting Hoe Owned, Quantity Reported, Replacement Value, and Duration of Service of Hoe, for Private Holdings.

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Hoes Reported	Average Number Per Crop Holder	Total Value (Birr)	Average Replacement Value Per Hoe (Birr)	Average Duration of Service of Hoe (Years)
Country Level.....	10,316,336	3,308,763	4,538,757	0.44	38,838,253	6.53	7
Tigray Region.....	671,737	57,671	72,753	0.11	810,516	9.58	10
Afar Region.....	13,970	865	979	0.07	17,087	14.58	10
Amhara Region	2,989,354	396,827	537,512	0.18	2,814,556	4.23	7
Oromia Region	3,981,704	1,799,090	2,415,953	0.61	24,116,966	7.75	7
Somali Region.....	89,389	40,062	48,675	0.54	883,222	15.39	5
Benshangul-Gumuz Region	122,033	78,903	176,832	1.45	1,197,656	3.10	5
S.N.N.P. Region	2,380,744	892,598	1,227,774	0.52	8,266,447	4.96	7
Gambela Region.....	26,775	17,999	27,316	1.02	189,871	4.75	7
Harari Region	13,516	11,581	15,618	1.16	241,005	11.11	5
Addis Ababa City Administration	12,998	3,289	3,590	0.28	61,384	15.26	14
Dire Dawa Administrative Council	14,116	9,878	11,755	0.83	239,543	17.03	5

TABLE 8.5A: - Number of Holders Reporting 'Mekeskesha' Owned, Quantity Reported, Replacement Value, and Duration of Service of 'Mekeskesha', for Private Holdings.

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of 'Mekeskeshas' Reported	Average Number Per Crop Holder	Total Value (Birr)	Average Replacement Value Per 'Mekeskesha' (Birr)	Average Duration of Service of 'Mekeskesha' (Years)
Country Level.....	10,316,336	576,413	834,568	0.08	4,291,948	3.99	5
Tigray Region.....	671,737	88,223	148,712	0.22	890,892	4.11	5
Afar Region.....	13,970	707	814	0.06	11,904	12.93	7
Amhara Region	2,989,354	87,567	134,105	0.04	706,148	3.76	6
Oromia Region	3,981,704	209,704	302,718	0.08	1,243,920	3.46	5
Somali Region.....	89,389	6,227	6,946	0.08	45,867	5.98	3
Benshangul-Gumuz Region	122,033	5,183	6,776	0.06	58,042	6.84	8
S.N.N.P. Region	2,380,744	177,036	232,382	0.10	1,323,712	4.53	5
Gambela Region.....	26,775	182	226	0.01	1,047	4.08	7
Harari Region	13,516	192	192	0.01	*	*	*
Addis Ababa City Administration	12,998	462	493	0.04	10,416	20.46	*
Dire Dawa Administrative Council	14,116	930	1,204	0.09	*	*	3

TABLE 8.6A:- Number of Holders Reporting Pick-Axe Owned, Quantity Reported, Replacement Value, and Duration of Service of Pick-Axe, for Private Holdings.

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Pick-Axes Reported	Average Number Per Crop Holder	Total Value (Birr)	Average Replacement Value Per Pick-Axe (Birr)	Average Duration of Service of Pick-Axe (Years)
Country Level.....	10,316,336	2,922,674	4,123,467	0.40	29,344,848	5.41	7
Tigray Region.....	671,737	343,376	458,163	0.68	4,329,010	7.71	8
Afar Region.....	13,970	4,051	7,276	0.52	71,116	5.44	6
Amhara Region	2,989,354	1,127,777	1,614,266	0.54	9,070,464	4.16	7
Oromia Region	3,981,704	726,698	1,014,770	0.25	8,316,289	6.37	8
Somali Region.....	89,389	17,917	22,894	0.26	340,199	12.13	6
Benshangul-Gumuz Region	122,033	24,524	37,523	0.31	338,256	6.40	10
S.N.N.P. Region	2,380,744	667,425	956,367	0.40	6,694,456	5.11	6
Gambela Region.....	26,775	1,640	1,907	0.07	27,540	12.23	12
Harari Region	13,516	401	529	0.04	6,878	9.14	7
Addis Ababa City Administration	12,998	8,204	9,111	0.70	142,473	13.90	16
Dire Dawa Administrative Council	14,116	661	661	0.05	8,167	12.36	9

TABLE 8.7A: - Number of Holders Reporting 'Deger' Owned, Quantity Reported, Replacement Value, and Duration of Service of 'Deger', for Private Holdings.

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of 'Degers' Reported	Average Number Per Crop Holder	Total Value (Birr)	Average Replacement Value Per 'Deger' (Birr)	Average Duration of Service of 'Deger' (Years)
Country Level.....	10,316,336	6,380,576	11,961,366	1.16	28,301,057	1.32	2
Tigray Region.....	671,737	531,360	1,350,149	2.01	4,272,091	1.32	1
Afar Region.....	13,970	5,956	8,950	0.64	35,088	2.73	2
Amhara Region	2,989,354	2,311,694	4,685,784	1.57	9,920,742	1.08	2
Oromia Region	3,981,704	2,573,190	4,400,328	1.11	11,040,065	1.56	2
Somali Region.....	89,389	58,131	87,681	0.98	569,556	4.60	3
Benshangul-Gumuz Region	122,033	40,280	66,889	0.55	142,254	1.33	2
S.N.N.P. Region	2,380,744	838,894	1,311,755	0.55	2,140,031	1.12	2
Gambela Region.....	26,775	1,217	1,537	0.06	5,406	2.90	2
Harari Region	13,516	4,739	14,232	1.05	28,070	0.95	2
Addis Ababa City Administration	12,998	10,121	27,237	2.10	116,105	1.64	2
Dire Dawa Administrative Council	14,116	4,994	6,824	0.48	31,649	3.39	2

TABLE 8.8A:- Number of Holders Reporting 'Erfe'(Handle) Owned, Quantity Reported, Replacement Value, and Duration of Service of 'Erfe', for Private Holdings.

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of 'Erfe's' Reported	Average Number Per Crop Holder	Total Value (Birr)	Average Replacement Value Per 'Erfe' (Birr)	Average Duration of Service of 'Erfe' (Years)
Country Level.....	10,316,336	6,289,158	9,703,401	0.94	18,627,954	1.22	2
Tigray Region.....	671,737	529,977	1,034,078	1.54	4,608,222	2.37	2
Afar Region.....	13,970	5,855	7,851	0.56	22,703	2.17	1
Amhara Region	2,989,354	2,297,082	3,935,134	1.32	6,415,309	0.96	2
Oromia Region	3,981,704	2,534,338	3,596,052	0.90	5,971,842	1.18	1
Somali Region.....	89,389	56,794	66,105	0.74	432,574	5.77	3
Benshangul-Gumuz Region	122,033	39,102	54,882	0.45	72,917	0.91	1
S.N.N.P. Region	2,380,744	805,191	970,227	0.41	970,092	0.85	2
Gambela Region.....	26,775	1,197	1,449	0.05	2,530	1.52	2
Harari Region	13,516	4,651	5,578	0.41	16,096	2.41	2
Addis Ababa City Administration	12,998	10,086	26,684	2.05	99,234	1.46	1
Dire Dawa Administrative Council	14,116	4,885	5,361	0.38	16,435	2.79	1

TABLE 8. 9A:- Number of Holders Reporting Plough-Beam Owned, Quantity Reported, Replacement Value, and Duration of Service of Plough-Beam, for Private Holdings.

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Plough-Beams Reported	Average Number Per Crop Holder	Total Value (Birr)	Average Replacement Value Per Plough-Beam (Birr)	Average Duration of Service of Plough-Beam (Years)
Country Level.....	10,316,336	6,436,100	9,585,675	0.93	83,913,636	6.04	4
Tigray Region.....	671,737	536,480	876,036	1.30	15,058,688	10.93	7
Afar Region.....	13,970	6,074	7,393	0.53	85,776	9.72	4
Amhara Region	2,989,354	2,329,211	4,030,791	1.35	27,983,262	4.27	4
Oromia Region	3,981,704	2,591,935	3,538,714	0.89	33,026,990	6.88	4
Somali Region.....	89,389	59,288	61,923	0.69	1,509,145	23.63	5
Benshangul-Gumuz Region	122,033	40,555	54,191	0.44	285,468	4.08	3
S.N.N.P. Region	2,380,744	850,855	978,686	0.41	5,435,321	4.79	4
Gambela Region.....	26,775	1,260	1,656	0.06	13,744	6.85	3
Harari Region	13,516	4,937	5,192	0.38	72,479	13.03	5
Addis Ababa City Administration	12,998	10,116	25,489	1.96	330,334	5.07	5
Dire Dawa Administrative Council	14,116	5,389	5,604	0.40	112,429	19.46	5

TABLE 8.10A: - Number of Holders Reporting Plough-Tip (Metal) Owned, Quantity Reported, Replacement Value, and Duration of Service of Plough-Tip, for Private Holdings.

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Plough-Tips Reported	Average Number Per Crop Holder	Total Value (Birr)	Average Replacement Value Per Plough-Tip (Birr)	Average Duration of Service of Plough-Tip (Years)
Country Level.....	10,316,336	6,433,075	7,550,864	0.73	119,845,788	13.44	6
Tigray Region.....	671,737	535,927	682,770	1.02	18,685,929	21.51	5
Afar Region.....	13,970	6,074	7,201	0.52	137,939	16.14	5
Amhara Region	2,989,354	2,283,412	2,628,066	0.88	48,590,555	16.03	8
Oromia Region	3,981,704	2,602,623	3,120,697	0.78	41,238,102	11.04	5
Somali Region.....	89,389	58,490	62,831	0.70	1,466,171	21.95	6
Benshangul-Gumuz Region	122,033	40,750	47,886	0.39	796,741	14.30	5
S.N.N.P. Region	2,380,744	882,992	968,617	0.41	8,510,984	7.97	5
Gambela Region.....	26,775	1,211	1,324	0.05	23,998	15.96	7
Harari Region	13,516	5,714	7,756	0.57	71,976	6.39	3
Addis Ababa City Administration	12,998	10,135	17,452	1.34	231,632	7.78	6
Dire Dawa Administrative Council	14,116	5,747	6,264	0.44	91,761	13.63	4

TABLE 8.11A: - Number of Holders Reporting 'Wegel' -Tip Owned, Quantity Reported, Replacement Value, and Duration of Service of 'Wegel' -Tip, for Private Holdings.

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of 'Wegel' -Tips Reported	Average Number Per Crop Holder	Total Value (Birr)	Average Replacement Value Per 'Wegel' -Tip (Birr)	Average Duration of Service of 'Wegel' -Tip (Years)
Country Level.....	10,316,336	6,315,356	7,357,748	0.71	33,828,497	3.93	5
Tigray Region.....	671,737	530,386	719,884	1.07	4,210,038	4.38	3
Afar Region.....	13,970	6,026	7,173	0.51	58,103	6.97	5
Amhara Region	2,989,354	2,282,885	2,556,122	0.86	10,792,587	3.77	6
Oromia Region	3,981,704	2,561,628	3,040,310	0.76	14,529,949	4.04	5
Somali Region.....	89,389	57,161	70,943	0.79	546,935	6.80	4
Benshangul-Gumuz Region	122,033	40,007	47,065	0.39	267,648	4.90	5
S.N.N.P. Region	2,380,744	816,160	886,363	0.37	3,272,691	3.39	4
Gambela Region.....	26,775	1,205	1,327	0.05	7,944	5.46	6
Harari Region	13,516	4,726	6,105	0.45	23,804	3.13	3
Addis Ababa City Administration	12,998	9,993	17,000	1.31	85,626	3.00	5
Dire Dawa Administrative Council	14,116	5,179	5,456	0.39	33,172	5.62	3

TABLE 8.12A: - Number of Holders Reporting Yoke Owned, Quantity Reported, Replacement Value, and Duration of Service of Yoke, for Private Holdings.

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Yokes Reported	Average Number Per Crop Holder	Total Value (Birr)	Average Replacement Value Per Yoke (Birr)	Average Duration of Service of Yoke (Years)
Country Level.....	10,316,336	6,392,643	7,721,821	0.75	51,305,267	5.47	5
Tigray Region.....	671,737	531,578	734,456	1.09	9,112,985	9.33	8
Afar Region.....	13,970	6,098	7,124	0.51	67,157	7.94	4
Amhara Region	2,989,354	2,294,919	2,788,608	0.93	16,174,215	4.85	6
Oromia Region	3,981,704	2,585,850	3,104,582	0.78	20,857,735	5.56	5
Somali Region.....	89,389	59,548	63,053	0.71	1,153,360	17.39	4
Benshangul-Gumuz Region	122,033	40,318	49,620	0.41	183,542	3.05	3
S.N.N.P. Region	2,380,744	852,545	944,469	0.40	3,390,445	3.23	4
Gambela Region.....	26,775	1,234	1,359	0.05	8,193	5.43	3
Harari Region	13,516	5,075	5,231	0.39	61,891	11.26	5
Addis Ababa City Administration	12,998	10,090	17,439	1.34	209,443	6.94	7
Dire Dawa Administrative Council	14,116	5,388	5,880	0.42	86,301	14.07	5

TABLE 8.13A: -Number of Holders Reporting Sickle Owned, Quantity Reported, Replacement Value, and Duration of Service of Sickle, for Private Holdings.

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Sickles Reported	Average Number Per Crop Holder	Total Value (Birr)	Average Replacement Value Per Sickle (Birr)	Average Duration of Service of Sickle (Years)
Country Level.....	10,316,336	8,007,177	14,240,730	1.38	97,941,253	4.23	5
Tigray Region.....	671,737	589,958	1,396,916	2.08	11,109,346	3.60	5
Afar Region.....	13,970	8,818	14,492	1.04	120,460	5.41	5
Amhara Region	2,989,354	2,686,409	5,507,067	1.84	30,832,048	2.97	5
Oromia Region	3,981,704	3,039,059	4,653,886	1.17	43,156,448	6.49	6
Somali Region.....	89,389	59,046	81,071	0.91	1,091,652	9.76	5
Benshangul-Gumuz Region	122,033	93,840	166,586	1.37	1,296,533	4.58	5
S.N.N.P. Region	2,380,744	1,496,418	2,369,969	1.00	9,717,961	2.82	4
Gambela Region.....	26,775	12,291	16,369	0.61	140,517	6.48	6
Harari Region	13,516	6,694	8,286	0.61	70,635	7.03	6
Addis Ababa City Administration	12,998	11,271	22,406	1.72	375,795	8.53	5
Dire Dawa Administrative Council	14,116	3,373	3,682	0.26	29,858	7.42	5

TABLE 8.14A: - Number of Holders Reporting Hay-Fork (Metal) Owned, Quantity Reported, Replacement Value, and Duration of Service of Hay-Fork, for Private Holdings.

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Hay-Forks Reported	Average Number Per Crop Holder	Total Value (Birr)	Average Replacement Value Per Hay-Fork (Birr)	Average Duration of Service of Hay-Fork (Years)
Country Level.....	10,316,336	396,089	490,010	0.05	7,081,509	11.78	10
Tigray Region.....	671,737	6,621	9,845	0.01	100,422	7.64	9
Afar Region.....	13,970	*	*	-	*	*	*
Amhara Region	2,989,354	45,811	56,272	0.02	592,850	9.21	11
Oromia Region	3,981,704	321,442	394,572	0.10	5,989,744	12.38	10
Somali Region.....	89,389	680	731	0.01	8,890	10.25	5
Benshangul-Gumuz Region	122,033	559	762	0.01	3,302	3.71	6
S.N.N.P. Region	2,380,744	11,593	14,167	0.01	125,765	7.41	8
Gambela Region.....	26,775	*	*	-	*	*	*
Harari Region	13,516	665	689	0.05	8,914	12.46	10
Addis Ababa City Administration	12,998	8,496	12,750	0.98	248,836	13.26	13
Dire Dawa Administrative Council	14,116	222	222	0.02	2,786	12.55	7

TABLE 8.15A: - Number of Holders Reporting Hay-Fork (Wood) Owned, Quantity Reported, Replacement Value, and Duration of Service of Hay-Fork, for Private Holdings.

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Hay-Forks Reported	Average Number Per Crop Holder	Total Value (Birr)	Average Replacement Value Per Hay-Fork (Birr)	Average Duration of Service of Hay-Fork (Years)
Country Level.....	10,316,336	3,790,824	6,366,261	0.62	23,221,919	2.23	4
Tigray Region.....	671,737	464,284	883,446	1.32	5,284,671	3.17	5
Afar Region.....	13,970	835	1,261	0.09	2,894	1.52	4
Amhara Region	2,989,354	1,802,766	3,124,631	1.05	10,472,226	1.97	5
Oromia Region	3,981,704	1,229,590	1,924,887	0.48	6,310,750	2.29	4
Somali Region.....	89,389	29,516	33,259	0.37	338,925	8.96	4
Benshangul-Gumuz Region	122,033	23,042	45,355	0.37	81,684	0.96	3
S.N.N.P. Region	2,380,744	233,458	345,475	0.15	690,443	1.36	3
Gambela Region.....	26,775	55	95	0.00	*	*	*
Harari Region	13,516	3,260	3,496	0.26	13,678	3.63	4
Addis Ababa City Administration	12,998	524	714	0.05	7,989	7.88	10
Dire Dawa Administrative Council	14,116	3,494	3,642	0.26	18,659	5.02	4

TABLE 8.16A: - Number of Holders Reporting Threshing Stick Owned, Quantity Reported, Replacement Value, and Duration of Service of Threshing Stick, for Private Holdings.

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Threshing Sticks Reported	Average Number Per Crop Holder	Total Value (Birr)	Average Replacement Value Per Threshing Stick (Birr)	Average Duration of Service of Threshing Stick (Years)
Country Level.....	10,316,336	1,474,176	3,085,392	0.30	3,921,309	0.75	2
Tigray Region.....	671,737	60,233	113,046	0.17	324,870	1.77	2
Afar Region.....	13,970	164	425	0.03	343	0.44	1
Amhara Region	2,989,354	264,831	537,963	0.18	626,661	0.65	2
Oromia Region	3,981,704	765,449	1,607,086	0.40	2,073,942	0.78	2
Somali Region.....	89,389	41,437	89,011	1.00	385,529	2.35	2
Benshangul-Gumuz Region	122,033	27,015	67,057	0.55	66,922	0.53	2
S.N.N.P. Region	2,380,744	298,828	645,221	0.27	384,180	0.38	2
Gambela Region.....	26,775	3,132	4,376	0.16	4,331	0.77	2
Harari Region	13,516	6,241	10,538	0.78	24,568	1.59	2
Addis Ababa City Administration	12,998	146	248	0.02	883	2.89	2
Dire Dawa Administrative Council	14,116	6,700	10,421	0.74	29,080	1.88	2

TABLE 8.17A: - Number of Holders Reporting Winnowers (Metal) Owned, Quantity Reported, Replacement Value, and Duration of Service of Winnowers, for Private Holdings.

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Winnowers Reported	Average Number Per Crop Holder	Total Value (Birr)	Average Replacement Value Per Winnowers (Birr)	Average Duration of Service of Winnowers (Years)
Country Level.....	10,316,336	24,793	28,614	0.00	230,745	7.09	8
Tigray Region.....	671,737	3,703	4,027	0.01	48,784	11.13	10
Afar Region.....	13,970	-	-	-	-	-	-
Amhara Region	2,989,354	8,363	10,171	0.00	73,906	6.07	9
Oromia Region	3,981,704	9,681	11,072	0.00	94,136	7.54	7
Somali Region.....	89,389	197	197	0.00	*	*	6
Benshangul-Gumuz Region	122,033	364	485	0.00	2,611	4.44	7
S.N.N.P. Region	2,380,744	2,382	2,559	0.00	10,135	3.75	4
Gambela Region.....	26,775	-	-	-	-	-	-
Harari Region	13,516	*	*	-	*	*	*
Addis Ababa City Administration	12,998	*	*	-	*	*	*
Dire Dawa Administrative Council	14,116	103	103	0.01	1,173	11.39	6

TABLE 8.18A:- Number of Holders Reporting Winnowers(Wood) Owned, Quantity Reported, Replacement Value, and Duration of Service of Winnowers, for Private Holdings.

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Winnowers Reported	Average Number Per Crop Holder	Total Value (Birr)	Average Replacement Value Per Winnowers (Birr)	Average Duration of Service of Winnowers (Years)
Country Level.....	10,316,336	2,293,854	2,619,393	0.25	19,919,586	6.74	8
Tigray Region.....	671,737	112,031	130,588	0.19	1,461,764	9.86	11
Afar Region.....	13,970	687	774	0.06	6,327	7.03	10
Amhara Region	2,989,354	1,014,103	1,163,325	0.39	8,335,239	6.31	9
Oromia Region	3,981,704	969,714	1,087,145	0.27	8,963,176	7.40	8
Somali Region.....	89,389	16,716	18,353	0.21	217,640	11.19	4
Benshangul-Gumuz Region	122,033	19,124	27,359	0.22	111,111	3.07	6
S.N.N.P. Region	2,380,744	148,017	176,522	0.07	610,177	2.87	5
Gambela Region.....	26,775	*	*	-	*	*	*
Harari Region	13,516	2,768	3,427	0.25	28,403	6.37	7
Addis Ababa City Administration	12,998	6,663	7,530	0.58	139,518	16.25	11
Dire Dawa Administrative Council	14,116	4,031	4,370	0.31	46,231	9.88	7

TABLE 8. 19A: - Number of Holders Reporting Cart Owned, Quantity Reported, Replacement Value, Duration of Service of Cart, for Private Holdings.

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Carts Reported	Average Number Per Crop Holder	Total Value (Birr)	Average Replacement Value Per Cart (Birr)	Average Duration of Service of Cart (Years)
Country Level.....	10,316,336	56,296	64,925	0.01	14,242,063	206.87	7
Tigray Region.....	671,737	1,097	1,207	0.00	2,025,109	1,657.08	17
Afar Region.....	13,970	69	89	0.01	101,010	775.91	7
Amhara Region	2,989,354	2,145	2,815	0.00	354,538	125.16	5
Oromia Region	3,981,704	37,604	43,940	0.01	6,970,164	147.37	6
Somali Region.....	89,389	609	674	0.01	650,286	890.80	16
Benshangul-Gumuz Region	122,033	*	*	-	*	*	*
S.N.N.P. Region.....	2,380,744	14,772	16,200	0.01	4,140,956	242.83	8
Gambela Region.....	26,775	*	*	-	*	*	*
Harari Region	13,516	*	*	-	*	*	*
Addis Ababa City Administration	12,998	*	*	-	*	*	*
Dire Dawa Administrative Council	14,116	-	-	-	-	-	-

TABLE 8.20A: - Number of Holders Reporting Sprayer (Hand operated) Owned, Quantity Reported, Replacement Value, Duration of Service of Sprayer, for Private Holdings.

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Sprayers Reported	Average Number Per Crop Holder	Total Value (Birr)	Average Replacement Value Per Sprayer (Birr)	Average Duration of Service of Sprayer (Years)
Country Level.....	10,316,336	92,259	105,090	0.01	19,576,370	183.30	7
Tigray Region.....	671,737	3,096	5,468	0.01	60,010	7.60	5
Afar Region.....	13,970	156	198	0.01	67,961	254.59	4
Amhara Region	2,989,354	10,711	14,981	0.01	1,311,584	84.39	6
Oromia Region	3,981,704	57,062	61,051	0.02	15,408,997	248.90	8
Somali Region.....	89,389	296	353	0.00	*	*	6
Benshangul-Gumuz Region	122,033	484	719	0.01	7,683	9.04	5
S.N.N.P. Region.....	2,380,744	19,889	21,706	0.01	2,442,874	111.84	6
Gambela Region.....	26,775	162	211	0.01	1,503	5.67	6
Harari Region	13,516	403	403	0.03	67,409	167.27	8
Addis Ababa City Administration	12,998	*	*	-	208,349	*	*
Dire Dawa Administrative Council	14,116	-	-	-	-	-	-

TABLE 8.21A: - Number of Holders Reporting Wheelbarrow Owned, Quantity Reported, Replacement Value and Duration of Service of Wheelbarrow, for Private Holdings.

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Wheelbarrows Reported	Average Number Per Crop Holder	Total Value (Birr)	Average Replacement Value Per Wheelbarrow (Birr)	Average Duration of Service of Wheelbarrow (Years)
Country Level.....	10,316,336	23,222	24,517	0.00	2,300,144	90.17	9
Tigray Region.....	671,737	799	872	0.00	112,450	127.53	18
Afar Region.....	13,970	66	79	0.01	*	*	6
Amhara Region	2,989,354	946	946	0.00	69,408	73.37	16
Oromia Region	3,981,704	13,992	14,480	0.00	1,516,648	102.71	9
Somali Region.....	89,389	1,532	1,687	0.02	363,920	197.30	7
Benshangul-Gumuz Region	122,033	119	119	0.00	*	*	*
S.N.N.P. Region.....	2,380,744	5,277	5,843	0.00	195,004	28.61	6
Gambela Region.....	26,775	94	94	0.00	*	*	*
Harari Region	13,516	397	397	0.03	42,714	107.59	7
Addis Ababa City Administration	12,998	*	*	-	*	*	*
Dire Dawa Administrative Council	14,116	*	*	-	*	*	*

TABLE 8.22A: - Number of Holders Reporting Ass (Specifically for ploughing) Owned, Quantity Reported, Replacement Value and Average age of Ass, for Private Holdings.

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Asses Reported	Average Number Per Crop Holder	Total Value (Birr)	Average Replacement Value Per Ass (Birr)	Average Age of Ass (Years)
Country Level.....	10,316,336	32,368	41,712	0.00	17,194,162	308.84	7
Tigray Region.....	671,737	3,085	3,743	0.01	1,817,973	364.55	8
Afar Region.....	13,970	*	*	-	*	*	*
Amhara Region	2,989,354	20,736	26,095	0.01	10,085,830	301.51	8
Oromia Region	3,981,704	5,019	7,307	0.00	3,399,143	301.08	6
Somali Region.....	89,389	657	842	0.01	358,052	343.57	7
Benshangul-Gumuz Region	122,033	131	204	0.00	47,477	145.30	3
S.N.N.P. Region.....	2,380,744	2,740	3,521	0.00	1,485,687	321.14	6
Gambela Region.....	26,775	-	-	-	-	-	-
Harari Region	13,516	*	*	-	*	*	*
Addis Ababa City Administration	12,998	*	*	-	*	*	*
Dire Dawa Administrative Council	14,116	*	*	-	*	*	*

TABLE 8.23A: - Number of Holders Reporting Camel (Specifically For Ploughing) Owned, Quantity Reported, Replacement Value and Average age of Camel, for Private Holdings

Geographic Area.	Total Number of Crop Holders	Number of Holders Reporting	Number of Camels Reported	Average Number Per Crop Holder	Total Value (Birr)	Average Replacement Value Per Camel (Birr)	Average Age of Camel (Years)
Country Level.....	10,316,336	1,103	1,238	0.00	1,589,323	1,177.28	10
Tigray Region.....	671,737	514	539	0.00	907,200	1,636.36	11
Afar Region.....	13,970	-	-	-	-	-	-
Amhara Region	2,989,354	*	*	-	*	*	*
Oromia Region	3,981,704	71	71	0.00	64,007	901.51	*
Somali Region.....	89,389	518	628	0.01	618,116	814.44	10
Benshangul-Gumuz Region	122,033	-	-	-	-	-	-
S.N.N.P. Region	2,380,744	-	-	-	-	-	-
Gambela Region.....	26,775	-	-	-	-	-	-
Harari Region	13,516	-	-	-	-	-	-
Addis Ababa City Administration	12,998	-	-	-	-	-	-
Dire Dawa Administrative Council	14,116	-	-	-	-	-	-

TABLE 8.24A:- Number of Holders Reporting Horse (Specifically For Ploughing) Owned, Quantity Reported, Replacement Value and Average age of Horse, for Private Holdings.

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Horses Reported	Average Number Per Crop Holder	Total Value (Birr)	Average Replacement Value Per Horse (Birr)	Average Age of Horse (Years)
Country Level.....	10,316,336	60,048	86,382	0.01	30,357,567	245.05	8
Tigray Region.....	671,737	*	*	-	*	*	*
Afar Region.....	13,970	-	-	-	-	-	-
Amhara Region	2,989,354	59,714	85,860	0.03	30,118,066	244.95	8
Oromia Region	3,981,704	334	522	0.00	239,501	261.95	6
Somali Region.....	89,389	-	-	-	-	-	-
Benshangul-Gumuz Region	122,033	-	-	-	-	-	-
S.N.N.P. Region.....	2,380,744	*	*	-	*	*	*
Gambela Region.....	26,775	-	-	-	-	-	-
Harari Region	13,516	-	-	-	-	-	-
Addis Ababa City Administration	12,998	-	-	-	-	-	-
Dire Dawa Administrative Council	14,116	-	-	-	-	-	-

TABLE 8.25A:- Number of Holders Reporting Mule (Specifically For Ploughing) Owned, Quantity Reported, Replacement Value and Average age of Mule, for Private Holdings

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Mules Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Mule (Birr)	Average Age of Mule (Years)
Country Level.....	10,316,336	3,880	4,096	0.00	3,038,525	716.41	10
Tigray Region.....	671,737	151	*	-	*	*	10
Afar Region.....	13,970	-	-	-	-	-	-
Amhara Region	2,989,354	3,729	4,096	0.00	3,038,525	676.91	10
Oromia Region	3,981,704	-	-	-	-	-	-
Somali Region.....	89,389	-	-	-	-	-	-
Benshangul-Gumuz Region	122,033	-	-	-	-	-	-
S.N.N.P. Region	2,380,744	-	-	-	-	-	-
Gambela Region.....	26,775	-	-	-	-	-	-
Harari Region	13,516	-	-	-	-	-	-
Addis Ababa City Administration	12,998	-	-	-	-	-	-
Dire Dawa Administrative Council	14,116	-	-	-	-	-	-

TABLE 8.26A: -Number of Holders Reporting Ox (Specifically for ploughing) Owned, Quantity Reported, Replacement Value and Average age of Ox, for Private Holdings.

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Oxen Reported	Average Number Per Crop Holder	Total Value (Birr)	Average Replacement Value Per Ox (Birr)	Average Age of Ox (Years)
Country Level.....	10,316,336	5,938,456	10,518,674	1.02	6,033,407,759	329.30	7
Tigray Region.....	671,737	475,321	844,845	1.26	643,505,551	447.67	8
Afar Region.....	13,970	5,051	9,622	0.69	7,142,978	390.83	8
Amhara Region	2,989,354	2,122,013	3,769,055	1.26	2,145,166,659	338.12	8
Oromia Region	3,981,704	2,396,172	4,459,312	1.12	2,531,549,355	303.64	6
Somali Region.....	89,389	52,215	92,206	1.03	61,275,472	382.04	6
Benshangul-Gumuz Region	122,033	37,325	70,623	0.58	37,741,909	274.67	6
S.N.N.P. Region	2,380,744	829,622	1,229,944	0.52	572,500,088	311.74	6
Gambela Region.....	26,775	1,215	1,878	0.07	756,855	257.41	3
Harari Region	13,516	4,855	7,554	0.56	4,692,484	401.36	4
Addis Ababa City Administration	12,998	9,353	26,529	2.04	24,816,334	329.25	8
Dire Dawa Administrative Council	14,116	5,314	7,106	0.50	4,260,074	440.94	5

TABLE 8.27A: - Number of Holders Reporting Ass (For transportation/threshing) Owned, Quantity Reported, Replacement Value and Average age of Ass, for Private Holdings.

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Asses Reported	Average Number Per Crop Holder	Total Value (Birr)	Average Replacement Value Per Ass (Birr)	Average Age of Ass (Years)
Country Level.....	10,316,336	2,318,166	2,878,737	0.28	650,386,746	184.67	8
Tigray Region.....	671,737	224,091	293,767	0.44	80,452,942	218.45	8
Afar Region.....	13,970	2,007	2,961	0.21	720,719	163.02	7
Amhara Region	2,989,354	886,442	1,105,496	0.37	188,781,125	141.87	8
Oromia Region	3,981,704	975,587	1,211,592	0.30	314,041,592	208.78	8
Somali Region.....	89,389	37,489	45,923	0.51	12,563,766	222.30	9
Benshangul-Gumuz Region	122,033	19,020	23,484	0.19	6,995,649	239.61	6
S.N.N.P. Region	2,380,744	154,515	171,205	0.07	40,075,110	210.99	7
Gambela Region.....	26,775	*	*	-	*	*	*
Harari Region	13,516	4,202	4,582	0.34	1,199,957	240.39	9
Addis Ababa City Administration	12,998	8,552	12,999	1.00	3,918,132	199.84	9
Dire Dawa Administrative Council	14,116	6,261	6,728	0.48	1,637,754	226.88	10

TABLE 8.28A: - Number of Holders Reporting Camel (For transportation/threshing) Owned, Quantity Reported, Replacement Value and Average age of Camel, for Private Holdings

Geographic Area.	Total Number of Crop Holders	Number of Holders Reporting	Number of Camels Reported	Average Number Per Crop Holder	Total Value (Birr)	Average Replacement Value Per Camel (Birr)	Average Age of Camel (Years)
Country Level.....	10,316,336	47,091	75,786	0.01	81,630,684	680.57	9
Tigray Region.....	671,737	10,494	23,639	0.04	31,380,177	650.64	11
Afar Region.....	13,970	2,390	3,383	0.24	3,354,950	780.54	13
Amhara Region	2,989,354	9,154	12,764	0.00	12,201,756	727.40	7
Oromia Region	3,981,704	11,450	16,944	0.00	14,980,711	590.07	8
Somali Region.....	89,389	11,359	16,070	0.18	17,217,681	772.84	11
Benshangul-Gumuz Region	122,033	-	-	-	-	-	-
S.N.N.P. Region	2,380,744	*	*	-	*	*	*
Gambela Region.....	26,775	-	-	-	-	-	-
Harari Region	13,516	*	*	-	*	*	*
Addis Ababa City Administration	12,998	-	-	-	-	-	-
Dire Dawa Administrative Council	14,116	2,244	2,986	0.21	2,495,409	621.01	10

TABLE 8.29A: - Number of Holders Reporting Cattle (Working Age for Threshing and Transportation) Owned, Quantity Reported, Replacement Value and Average age of Cattle, for Private Holdings.

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Cattle Reported	Average Number Per Crop Holder	Total Value (Birr)	Average Replacement Value Per Cattle (Birr)	Average Age of Cattle (Years)
Country Level.....	10,316,336	6,101,540	14,749,935	1.43	7,714,695,707	226.91	7
Tigray Region.....	671,737	487,143	1,162,895	1.73	823,638,127	318.03	8
Afar Region.....	13,970	5,006	12,380	0.89	8,270,657	289.19	8
Amhara Region	2,989,354	2,240,133	5,776,762	1.93	2,996,251,337	216.15	8
Oromia Region	3,981,704	2,444,409	6,242,998	1.57	3,140,442,613	206.13	6
Somali Region.....	89,389	49,169	99,034	1.11	65,010,897	335.47	6
Benshangul-Gumuz Region	122,033	40,001	109,360	0.90	53,259,868	178.70	6
S.N.N.P. Region	2,380,744	815,040	1,288,880	0.54	585,672,444	287.56	6
Gambela Region.....	26,775	1,132	1,849	0.07	710,988	242.02	3
Harari Region	13,516	4,840	7,771	0.57	4,793,856	385.17	4
Addis Ababa City Administration	12,998	9,884	41,255	3.17	32,700,841	203.26	8
Dire Dawa Administrative Council	14,116	4,783	6,751	0.48	3,944,079	410.17	5

TABLE 8.30A:- Number of Holders Reporting Horse (For transportation/threshing) Owned, Quantity Reported, Replacement Value and Average age of Horse, for Private Holdings.

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Horses Reported	Average Number Per Crop Holder	Total Value (Birr)	Average Replacement Value Per Horse (Birr)	Average Age of Horse (Years)
Country Level.....	10,316,336	684,651	909,603	0.09	321,431,122	271.10	8
Tigray Region.....	671,737	1,138	1,290	0.00	595,014	423.71	10
Afar Region.....	13,970	20	33	0.00	18,487	309.27	8
Amhara Region	2,989,354	165,919	232,426	0.08	75,913,894	250.95	8
Oromia Region	3,981,704	369,961	508,863	0.13	190,677,389	274.53	8
Somali Region.....	89,389	-	-	-	-	-	-
Benshangul-Gumuz Region	122,033	225	351	0.00	202,890	376.84	8
S.N.N.P. Region	2,380,744	146,901	166,145	0.07	53,728,062	286.45	8
Gambela Region.....	26,775	312	312	0.01	158,822	509.04	6
Harari Region	13,516	-	-	-	-	-	-
Addis Ababa City Administration	12,998	175	183	0.01	136,564	720.12	7
Dire Dawa Administrative Council	14,116	-	-	-	-	-	-

TABLE 8.31A:- Number of Holders Reporting Mule (For transportation/threshing) Owned, Quantity Reported, Replacement Value and Average age of Mule, for Private Holdings

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Mules Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Mule (Birr)	Average Age of Mule (Years)
Country Level.....	10,316,336	196,127	206,375	0.02	169,874,134	787.32	10
Tigray Region.....	671,737	5,030	6,024	0.01	5,822,048	809.84	10
Afar Region.....	13,970	127	167	0.01	238,053	934.51	11
Amhara Region	2,989,354	60,896	65,567	0.02	52,741,268	757.95	10
Oromia Region	3,981,704	88,925	92,025	0.02	80,021,173	843.52	10
Somali Region.....	89,389	94	*	-	*	*	10
Benshangul-Gumuz Region	122,033	-	-	-	-	-	-
S.N.N.P. Region	2,380,744	40,991	42,523	0.02	30,962,985	706.53	10
Gambela Region.....	26,775	-	-	-	-	-	-
Harari Region	13,516	-	-	-	-	-	-
Addis Ababa City Administration	12,998	64	69	0.01	88,607	1,220.25	15
Dire Dawa Administrative Council	14,116	*	*	-	*	*	*

TABLE 8.32A:- Number of Holders Reporting 'Debignit' Owned, Quantity Reported, Replacement Value and Storage Capacity of 'Debignit', for Private Holdings.

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of 'Debignits' Reported	Average Number Per Crop Holder	Total Value (Birr)	Average Replacement Value Per 'Debignit' (Birr)	Average Storage Capacity of 'Debignit' (Quintal)
Country Level.....	10,316,336	3,720,281	9,607,887	0.93	71,234,536	2.78	4
Tigray Region.....	671,737	407,035	1,388,697	2.07	13,327,857	2.77	5
Afar Region.....	13,970	676	1,165	0.08	2,574	1.25	2
Amhara Region	2,989,354	2,202,125	6,107,517	2.04	42,857,551	2.42	4
Oromia Region	3,981,704	962,633	1,898,703	0.48	13,276,313	3.63	3
Somali Region.....	89,389	425	425	0.00	19,158	45.08	6
Benshangul-Gumuz Region	122,033	10,485	19,100	0.16	138,175	4.11	5
S.N.N.P. Region	2,380,744	131,312	181,085	0.08	1,441,975	5.83	4
Gambela Region.....	26,775	189	246	0.01	3,579	11.66	3
Harari Region	13,516	196	256	0.02	2,597	8.85	7
Addis Ababa City Administration	12,998	3,734	8,769	0.67	141,998	6.44	10
Dire Dawa Administrative Council	14,116	1,471	1,924	0.14	22,759	9.71	2

TABLE 8.33A:- Number of Holders Reporting 'Gottera' Owned, Quantity Reported, Replacement Value and Storage Capacity of 'Gottera', for Private Holdings.

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of 'Gotteras' Reported	Average Number Per Crop Holder	Total Value (Birr)	Average Replacement Value Per 'Gottera' (Birr)	Average Storage Capacity of 'Gottera' (Quintal)
Country Level.....	10,316,336	3,990,338	6,739,610	0.65	125,041,082	11.51	10
Tigray Region.....	671,737	213,453	549,341	0.82	10,209,638	8.83	8
Afar Region.....	13,970	1,658	2,860	0.20	30,365	6.75	7
Amhara Region	2,989,354	1,030,710	1,970,926	0.66	25,645,365	6.89	8
Oromia Region	3,981,704	1,947,637	3,198,187	0.80	66,981,781	13.16	11
Somali Region.....	89,389	6,264	6,739	0.08	973,176	136.86	26
Benshangul-Gumuz Region	122,033	89,929	132,450	1.09	2,630,422	15.55	12
S.N.N.P. Region	2,380,744	681,769	852,083	0.36	17,973,173	16.02	8
Gambela Region.....	26,775	18,233	25,848	0.97	523,634	15.01	8
Harari Region	13,516	-	-	-	-	-	-
Addis Ababa City Administration	12,998	685	1,176	0.09	73,528	36.65	13
Dire Dawa Administrative Council	14,116	*	*	-	*	*	*

TABLE 8.34A: - Number of Holders Reporting 'Gudguad' Owned, Quantity Reported, Replacement Value and Storage Capacity of 'Gudguad', for Private Holdings.

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of 'Gudguads' Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per 'Gudguad' (Birr)	Average Storage Capacity of 'Gudguad' (Quintal)
Country Level.....	10,316,336	1,762,471	2,204,445	0.21	37,032,034	14.33	7
Tigray Region.....	671,737	22,633	31,182	0.05	912,175	23.52	18
Afar Region.....	13,970	1,752	2,004	0.14	81,054	36.35	18
Amhara Region	2,989,354	324,494	414,314	0.14	8,873,563	17.55	10
Oromia Region	3,981,704	677,191	786,932	0.20	16,974,914	19.72	8
Somali Region.....	89,389	43,300	56,116	0.63	5,544,268	77.64	14
Benshangul-Gumuz Region	122,033	*	*	-	*	*	*
S.N.N.P. Region	2,380,744	674,144	894,339	0.38	3,752,398	3.08	4
Gambela Region.....	26,775	*	*	-	*	*	*
Harari Region	13,516	7,390	7,711	0.57	297,391	37.15	8
Addis Ababa City Administration	12,998	*	*	-	*	*	*
Dire Dawa Administrative Council	14,116	11,567	11,847	0.84	596,271	49.45	9

TABLE 8. 35A - Number of Holders Reporting Modern Storage Facilities Owned, Quantity Reported, Replacement Value and Storage Capacity of Modern Storage, for Private Holdings.

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Modern Storages Reported	Average Number Per Crop Holder	Total Value (Birr)	Average Replacement Value Per Modern Storage (Birr)	Average Storage Capacity of Modern Storage (Quintal)
Country Level.....	10,316,336	26,857	40,584	0.00	2,582,339	59.06	34
Tigray Region.....	671,737	1,141	2,785	0.00	42,732	6.95	7
Afar Region.....	13,970	-	-	-	-	-	-
Amhara Region	2,989,354	5,208	10,119	0.00	780,725	63.15	17
Oromia Region	3,981,704	15,280	21,301	0.01	*	*	44
Somali Region.....	89,389	5	5	0.00	182	36.47	13
Benshangul-Gumuz Region	122,033	548	912	0.01	*	*	40
S.N.N.P. Region	2,380,744	4,586	5,373	0.00	1,756,115	323.07	25
Gambela Region.....	26,775	89	89	0.00	2,585	29.04	15
Harari Region	13,516	-	-	-	-	-	-
Addis Ababa City Administration	12,998	*	*	-	*	*	*
Dire Dawa Administrative Council	14,116	*	*	-	*	*	*

STATISTICAL TABLES PRESENTING THE CENSUS
RESULTS AT
ZONAL AND WOREDA LEVELS

Tables 8.1B- 8.35B

Table 8.1B:- Number of Crop Holders that Owned Axe by Geographic area.

Geographic Area	Number of Crop holders that owned											
	No Axe		One Axe		Two Axes		Three Axes		Four Axes		Five and above Axes	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Country Level	2,044,381	19.82	4,603,004	44.62	2,636,725	25.56	743,170	7.20	202,311	1.96	86,745	0.84
Tigray Region	190,419	28.35	316,419	47.10	131,391	19.56	23,935	3.56	7,071	1.05	2,502	0.37
Afar Region.....	4,612	33.01	5,516	39.48	2,487	17.80	960	6.87	197	1.41	198	1.42
Amhara Region.....	472,143	15.79	1,131,142	37.84	966,695	32.34	306,744	10.26	80,707	2.70	31,923	1.07
Oromia Region.....	800,934	20.12	1,823,684	45.80	993,135	24.94	265,113	6.66	68,777	1.73	30,061	0.75
Somali Region	14,753	16.50	54,261	60.70	15,736	17.60	3,124	3.49	872	0.98	643	0.72
Benshangul-Gumuz Region.....	9,586	7.86	54,862	44.96	40,827	33.46	12,190	9.99	3,425	2.81	1,143	0.94
S.N.N.P. Region.....	535,480	22.49	1,182,334	49.66	473,832	19.90	128,556	5.40	40,561	1.70	19,981	0.84
Gambela Region	8,844	33.03	15,126	56.49	2,305	8.61	362	1.35	110	0.41	28	0.10
Harari Region.....	2,217	16.40	6,804	50.34	3,208	23.73	969	7.17	123	0.91	195	1.44
Addis Ababa City Admin.	3,325	25.58	5,961	45.86	3,104	23.88	386	2.97	200	1.54	22	0.17
Dire Dawa Admin. Council.....	2,068	14.65	6,895	48.85	4,005	28.37	831	5.89	268	1.90	49	0.35

Table 8.2B:- Number of Crop Holders that Owned 'Gejera' by Geographic area.

Geographic area	Number of Crop holders that owned											
	No 'Gejera'		One 'Gejera'		Two 'Gejeras'		Three 'Gejeras'		Four 'Gejeras'		Five and above 'Gejeras'	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Country Level	7,543,941	73.13	2,191,282	21.24	461,814	4.48	81,445	0.79	25,087	0.24	12,767	0.12
Tigray Region	387,888	57.74	253,126	37.68	28,621	4.26	1,756	0.26	257	0.04	89	0.01
Afar Region	9,977	71.42	3,377	24.17	502	3.59	89	0.64	13	0.09	12	0.09
Amhara Region	2,821,140	94.37	155,764	5.21	11,428	0.38	540	0.02	119	0.00	363	0.01
Oromia Region	2,648,565	66.52	1,021,818	25.66	244,063	6.13	45,412	1.14	14,392	0.36	7,454	0.19
Somali Region	76,053	85.08	11,310	12.65	1,620	1.81	329	0.37	35	0.04	42	0.05
Benshangul-Gumuz Region.....	75,726	62.05	35,302	28.93	8,321	6.82	1,991	1.63	524	0.43	169	0.14
S.N.N.P. Region	1,481,651	62.23	693,389	29.12	161,599	6.79	30,071	1.26	9,438	0.40	4,596	0.19
Gambela Region	3,370	12.59	16,181	60.43	5,616	20.97	1,257	4.69	309	1.15	42	0.16
Harari Region.....	13,396	99.11	120	0.89	-	-	-	-	-	-	-	-
Addis Ababa City Admin. ...	12,628	97.15	364	2.80	6	0.05	-	-	-	-	-	-
Dire Dawa Admin. Council.....	13,547	95.97	531	3.76	38	0.27	-	-	-	-	-	-

Table 8.3B:- Number of Crop Holders that Owned Shovel by Geographic area

Geographic area	Number of Crop holders that owned											
	No Shovel		One Shovel		Two Shovels		Three Shovels		Four Shovels		Five and above Shovels	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Country Level	7,867,137	76.26	2,209,774	21.42	208,679	2.02	23,545	0.23	4,600	0.04	2,601	0.03
Tigray Region	380,901	56.70	273,463	40.71	16,108	2.40	980	0.15	170	0.03	115	0.02
Afar Region	5,800	41.52	6,396	45.78	1,373	9.83	251	1.80	110	0.79	40	0.29
Amhara Region.....	2,524,653	84.45	440,133	14.72	22,116	0.74	1,795	0.06	220	0.01	437	0.01
Oromia Region	2,767,025	69.49	1,058,593	26.59	135,557	3.40	16,079	0.40	3,012	0.08	1,438	0.04
Somali Region	31,532	35.28	42,454	47.49	12,443	13.92	2,039	2.28	597	0.67	324	0.36
Benshangul-Gumuz Region.....	103,042	84.44	17,940	14.70	922	0.76	112	0.09	6	0.00	11	0.01
S.N.N.P. Region	2,021,880	84.93	343,826	14.44	13,538	0.57	1,268	0.05	96	0.00	136	0.01
Gambela Region	23,908	89.29	2,714	10.14	139	0.52	11	0.04	-	-	3	0.01
Harari Region.....	1,152	8.52	7,631	56.46	3,646	26.98	738	5.46	286	2.12	63	0.47
Addis Ababa City Admin. ...	6,053	46.57	6,330	48.70	547	4.21	50	0.38	18	0.14	-	-
Dire Dawa Admin.Council.....	1,191	8.44	10,294	72.92	2,290	16.22	222	1.57	85	0.60	34	0.24

Table 8.4B: - Number of Crop Holders that Owned Hoe by Geographic area

Geographic area	Number of Crop holders that owned											
	No Hoe		One Hoe		Two Hoes		Three Hoes		Four Hoes		Five and above Hoes	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Country Level	7,007,561	67.93	2,432,894	23.58	664,795	6.44	132,826	1.29	50,388	0.49	27,872	0.27
Tigray Region	614,067	91.41	46,023	6.85	9,301	1.38	1,562	0.23	539	0.08	245	0.04
Afar Region	13,105	93.81	764	5.47	88	0.63	13	0.09	-	-	-	-
Amhara Region	2,592,505	86.72	305,458	10.22	65,754	2.20	17,692	0.59	4,965	0.17	2,980	0.10
Oromia Region	2,182,613	54.82	1,337,905	33.60	353,522	8.88	75,026	1.88	22,840	0.57	9,798	0.25
Somali Region	49,326	55.18	33,094	37.02	5,859	6.55	787	0.88	223	0.25	100	0.11
Benshangul-Gumuz Region	43,101	35.32	25,830	21.17	28,253	23.15	13,705	11.23	6,440	5.28	4,704	3.85
S.N.N.P. Region	1,488,145	62.51	652,343	27.40	193,724	8.14	22,110	0.93	14,605	0.61	9,817	0.41
Gambela Region	8,768	32.75	11,764	43.94	4,184	15.63	1,319	4.93	572	2.14	168	0.63
Harari Region	1,983	14.67	8,293	61.36	2,715	20.09	322	2.38	149	1.10	54	0.40
Addis Ababa City Admin.	9,710	74.70	3,094	23.80	126	0.97	48	0.37	14	0.11	6	0.05
Dire Dawa Admin.Council....	4,238	30.02	8,326	58.98	1,269	8.99	242	1.71	41	0.29	-	-

Table 8.5B: - Number of Crop Holders that Owned 'Mekeskesh' by Geographic area

Geographic area	Number of Crop holders that owned											
	No 'Mekeskesh'		One 'Mekeskesh'		Two 'Mekeskeshes'		Three 'Mekeskeshes'		Four 'Mekeskeshes'		Five and above 'Mekeskeshes'	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Country Level	9,739,919	94.41	395,357	3.83	130,732	1.27	32,552	0.32	12,573	0.12	5,203	0.05
Tigray Region	583,513	86.87	49,152	7.32	25,382	3.78	8,795	1.31	3,029	0.45	1,866	0.28
Afar Region	13,263	94.94	599	4.29	108	0.77	-	-	-	-	-	-
Amhara Region	2,901,787	97.07	54,303	1.82	23,687	0.79	6,773	0.23	2,132	0.07	672	0.02
Oromia Region	3,772,000	94.73	143,579	3.61	48,797	1.23	10,745	0.27	4,829	0.12	1,754	0.04
Somali Region	83,162	93.03	5,662	6.33	507	0.57	20	0.02	19	0.02	19	0.02
Benshangul-Gumuz Region....	116,849	95.75	3,806	3.12	1,233	1.01	93	0.08	42	0.03	10	0.01
S.N.N.P. Region	2,203,707	92.56	136,789	5.75	30,762	1.29	6,087	0.26	2,517	0.11	882	0.04
Gambela Region	26,593	99.32	153	0.57	19	0.07	5	0.02	5	0.02	-	-
Harari Region	13,324	98.58	192	1.42	-	-	-	-	-	-	-	-
Addis Ababa City Admin.	12,535	96.44	432	3.32	31	0.24	-	-	-	-	-	-
Dire Dawa Admin.Council....	13,186	93.41	690	4.89	206	1.46	34	0.24	-	-	-	-

Table 8.6B:- Number of Crop Holders that Owned Pick-Axe by Geographic area

Geographic area	Number of Crop holders that owned											
	No Pick-Axe		One Pick-Axe		Two Pick-Axes		Three Pick-Axes		Four Pick-Axes		Five and above Pick-Axes	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Country Level	7,393,595	71.67	2,074,236	20.11	624,791	6.06	152,879	1.48	46,486	0.45	24,349	0.24
Tigray Region	328,361	48.88	264,926	39.44	56,000	8.34	14,922	2.22	4,827	0.72	2,701	0.40
Afar Region	9,919	71.00	2,351	16.83	1,062	7.60	333	2.38	224	1.60	81	0.58
Amhara Region	1,861,554	62.27	780,685	26.12	257,540	8.62	64,113	2.14	16,620	0.56	8,842	0.30
Oromia Region	3,255,007	81.75	526,557	13.22	145,324	3.65	36,230	0.91	12,047	0.30	6,539	0.16
Somali Region	71,428	79.91	14,074	15.74	3,037	3.40	643	0.72	187	0.21	20	0.02
Benshangul-Gumuz Region....	97,509	79.90	17,076	13.99	4,346	3.56	1,920	1.57	579	0.47	603	0.49
S.N.N.P. Region	1,713,319	71.97	458,715	19.27	156,625	6.58	34,569	1.45	11,953	0.50	5,563	0.23
Gambela Region	25,134	93.87	1,469	5.49	106	0.40	37	0.14	29	0.11	-	-
Harari Region	13,115	97.03	301	2.23	72	0.53	28	0.21	-	-	-	-
Addis Ababa City Admin.	4,794	36.88	7,421	57.09	679	5.22	84	0.65	20	0.15	-	-
Dire Dawa Admin.Council....	13,455	95.32	661	4.68	-	-	-	-	-	-	-	-

Table 8.7B: - Number of Crop Holders that Owned 'Deger' by Geographic area

Geographic area	Number of Crop holders that owned											
	No 'Deger'		One 'Deger'		Two 'Degers'		Three 'Degers'		Four 'Degers'		Five and above 'Degers'	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Country Level	3,935,692	38.15	2,820,237	27.34	2,668,484	25.87	168,397	1.63	587,309	5.69	136,217	1.32
Tigray Region	140,377	20.90	149,921	22.32	211,811	31.53	36,050	5.37	90,889	13.53	42,689	6.36
Afar Region	8,014	57.37	3,403	24.36	2,288	16.38	116	0.83	136	0.97	13	0.09
Amhara Region	677,636	22.67	819,907	27.43	1,078,827	36.09	89,971	3.01	270,899	9.06	52,114	1.74
Oromia Region	1,408,480	35.37	1,325,411	33.29	993,759	24.96	35,563	0.89	183,533	4.61	34,958	0.88
Somali Region	31,253	34.96	32,169	35.99	24,199	27.07	420	0.47	1,145	1.28	203	0.23
Benshangul-Gumuz	81,754	66.99	21,804	17.87	14,620	11.98	772	0.63	2,604	2.13	479	0.39
S.N.N.P. Region	1,541,851	64.76	459,699	19.31	335,726	14.10	4,722	0.20	34,681	1.46	4,065	0.17
Gambela Region	25,557	95.45	1,003	3.75	153	0.57	18	0.07	44	0.16	-	-
Harari Region	8,778	64.95	1,638	12.12	1,034	7.65	244	1.81	831	6.15	991	7.33
Addis Ababa City Admin. ..	2,870	22.08	1,899	14.61	4,566	35.13	521	4.01	2,437	18.75	705	5.42
Dire Dawa Admin.Council ..	9,122	64.62	3,383	23.97	1,501	10.63	-	-	110	0.78	-	-

Table 8.8B:- Number of Crop Holders that Owned 'Erfe' by Geographic area.

Geographic area	Number of Crop holders that owned											
	No 'Erfe'		One 'Erfe'		Two 'Erfes'		Three 'Erfes'		Four 'Erfes'		Five and above 'Erfes'	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Country Level	4,026,966	39.03	3,968,262	38.47	1,706,513	16.54	377,327	3.66	166,000	1.61	71,268	0.69
Tigray Region	141,760	21.10	222,030	33.05	194,694	28.98	67,658	10.07	29,238	4.35	16,357	2.44
Afar Region	8,115	58.09	4,767	34.12	775	5.55	173	1.24	97	0.69	43	0.31
Amhara Region	692,144	23.15	1,175,981	39.34	831,605	27.82	195,032	6.52	67,703	2.26	26,889	0.90
Oromia Region	1,447,331	36.35	1,782,071	44.76	576,349	14.47	97,016	2.44	55,865	1.40	23,072	0.58
Somali Region	32,582	36.45	49,884	55.81	5,059	5.66	1,434	1.60	391	0.44	39	0.04
Benshangul-Gumuz	82,900	67.93	27,986	22.93	8,239	6.75	1,719	1.41	961	0.79	228	0.19
S.N.N.P. Region	1,575,553	66.18	692,983	29.11	85,392	3.59	13,361	0.56	9,944	0.42	3,511	0.15
Gambela Region	25,573	95.51	997	3.72	179	0.67	8	0.03	14	0.05	4	0.01
Harari Region	8,865	65.59	3,837	28.39	716	5.30	81	0.60	17	0.13	-	-
Addis Ababa City Admin. ..	2,912	22.40	3,148	24.22	3,301	25.40	808	6.22	1,704	13.11	1,125	8.66
Dire Dawa Admin.Council ..	9,231	65.39	4,578	32.43	204	1.45	37	0.26	66	0.47	-	-

Table 8.9B:- Number of Crop Holders that Owned Plough-Beam by Geographic area.

Geographic area	Number of Crop holders that owned											
	No Plough-Beam		One Plough-Beam		Two Plough-Beams		Three Plough-Beams		Four Plough-Beams		Five and above Plough-Beams	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Country Level	3,880,121	37.61	4,075,124	39.50	1,814,053	17.58	385,478	3.74	117,768	1.14	43,792	0.42
Tigray Region	135,257	20.14	288,348	42.93	184,777	27.51	44,451	6.62	13,215	1.97	5,689	0.85
Afar Region	7,882	56.42	5,068	36.28	818	5.86	133	0.95	56	0.40	13	0.09
Amhara Region	660,120	22.08	1,075,000	35.96	931,619	31.16	237,458	7.94	63,646	2.13	21,511	0.72
Oromia Region	1,389,734	34.90	1,863,461	46.80	587,301	14.75	90,425	2.27	36,533	0.92	14,250	0.36
Somali Region	30,075	33.65	57,078	63.85	1,987	2.22	177	0.20	32	0.04	40	0.04
Benshangul-Gumuz Region ..	81,461	66.75	29,436	24.12	9,159	7.51	1,533	1.26	372	0.30	72	0.06
S.N.N.P. Region	1,529,888	64.26	742,744	31.20	94,240	3.96	9,973	0.42	2,621	0.11	1,278	0.05
Gambela Region	25,516	95.30	1,074	4.01	135	0.50	24	0.09	-	-	26	0.10
Harari Region	8,579	63.47	4,698	34.76	222	1.64	17	0.13	-	-	-	-
Addis Ababa City Admin.	2,883	22.18	3,042	23.40	3,580	27.54	1,287	9.90	1,293	9.95	913	7.02
Dire Dawa Admin.Council ..	8,726	61.82	5,175	36.66	215	1.52	-	-	-	-	-	-

Table 8.10B:- Number of Crop Holders that Owned Plough-Tip by Geographic area.

Geographic area	Number of Crop holders that owned											
	No Plough-Tip		One Plough-Tip		Two Plough-Tips		Three Plough-Tips		Four Plough-Tips		Five and above Plough-Tips	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Country Level	3,883,158	37.64	5,449,902	52.83	894,550	8.67	66,234	0.64	16,253	0.16	6,239	0.06
Tigray Region	135,809	20.22	405,535	60.37	117,807	17.54	10,326	1.54	1,624	0.24	636	0.09
Afar Region	7,886	56.45	5,154	36.89	822	5.88	81	0.58	9	0.06	18	0.13
Amhara Region	705,920	23.61	1,963,653	65.69	303,518	10.15	13,255	0.44	1,898	0.06	1,110	0.04
Oromia Region	1,379,046	34.63	2,163,999	54.35	388,456	9.76	35,329	0.89	11,120	0.28	3,754	0.09
Somali Region	30,881	34.55	54,537	61.01	3,624	4.05	304	0.34	43	0.05	-	-
Benshangul-Gumuz Region	81,266	66.59	34,827	28.54	5,115	4.19	652	0.53	155	0.13	18	0.01
S.N.N.P. Region	1,497,751	62.91	807,026	33.90	68,945	2.90	5,493	0.23	1,008	0.04	521	0.02
Gambela Region	25,564	95.48	1,127	4.21	65	0.24	8	0.03	11	0.04	-	-
Harari Region	7,803	57.73	4,028	29.80	1,459	10.79	128	0.95	82	0.61	16	0.12
Addis Ababa City Admin.	2,863	22.03	4,755	36.58	4,286	32.97	625	4.81	303	2.33	166	1.28
Dire Dawa Admin.Council	8,369	59.29	5,261	37.27	453	3.21	33	0.23	-	-	-	-

Table 8.11B:- Number of Crop Holders that Owned 'wegel'-Tip by Geographic area.

Geographic area	Number of Crop holders that owned											
	No 'wegel'-Tip		One 'wegel'-Tip		Two 'wegel'-Tips		Three 'wegel'-Tips		Four 'wegel'-Tips		Five and above 'wegel'-Tips	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Country Level	4,000,864	38.78	5,426,673	52.60	792,107	7.68	64,831	0.63	23,896	0.23	7,965	0.08
Tigray Region	141,351	21.04	378,997	56.42	128,436	19.12	15,791	2.35	5,181	0.77	1,981	0.29
Afar Region	7,938	56.82	5,127	36.70	764	5.47	69	0.49	59	0.42	13	0.09
Amhara Region	706,445	23.63	2,035,193	68.08	231,909	7.76	11,467	0.38	2,720	0.09	1,620	0.05
Oromia Region	1,420,040	35.66	2,154,441	54.11	361,099	9.07	31,392	0.79	10,903	0.27	3,829	0.10
Somali Region	32,191	36.01	50,230	56.19	3,358	3.76	609	0.68	2,960	3.31	41	0.05
Benshangul-Gumuz Region	82,012	67.20	33,975	27.84	5,292	4.34	538	0.44	194	0.16	22	0.02
S.N.N.P. Region	1,564,584	65.72	753,911	31.67	56,503	2.37	4,048	0.17	1,390	0.06	308	0.01
Gambela Region	25,570	95.50	1,130	4.22	60	0.22	4	0.01	-	-	11	0.04
Harari Region	8,790	65.03	3,752	27.76	648	4.79	247	1.83	79	0.58	-	-
Addis Ababa City Admin.	3,006	23.13	4,926	37.90	3,922	30.17	613	4.72	391	3.01	140	1.08
Dire Dawa Admin.Council	8,937	63.31	4,991	35.36	116	0.82	53	0.38	19	0.13	-	-

Table 8.12B:- Number of Crop Holders that Owned Yoke by Geographic area.

Geographic area	Number of Crop holders that owned											
	No Yoke		One Yoke		Two Yokes		Three Yokes		Four Yokes		Five and above Yokes	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Country Level	3,923,579	38.03	5,220,173	50.60	1,060,768	10.28	81,753	0.79	23,676	0.23	6,387	0.06
Tigray Region	140,159	20.87	359,812	53.56	149,049	22.19	16,703	2.49	4,939	0.74	1,075	0.16
Afar Region	7,872	56.35	5,233	37.46	755	5.40	88	0.63	9	0.06	13	0.09
Amhara Region	694,412	23.23	1,845,378	61.73	418,122	13.99	23,469	0.79	6,517	0.22	1,456	0.05
Oromia Region	1,395,819	35.06	2,135,664	53.64	401,706	10.09	34,915	0.88	10,347	0.26	3,253	0.08
Somali Region	29,785	33.32	56,472	63.18	2,797	3.13	296	0.33	39	0.04	-	-
Benshangul-Gumuz	81,715	66.96	32,059	26.27	7,457	6.11	637	0.52	146	0.12	19	0.02
S.N.N.P. Region	1,528,198	64.19	769,667	32.33	76,205	3.20	5,036	0.21	1,244	0.05	394	0.02
Gambela Region	25,541	95.39	1,112	4.15	118	0.44	4	0.01	-	-	-	-
Harari Region	8,442	62.46	4,918	36.39	156	1.15	-	-	-	-	-	-
Addis Ababa City Admin.	2,908	22.37	4,692	36.10	4,215	32.43	605	4.65	435	3.35	143	1.10
Dire Dawa	8,728	61.83	5,166	36.60	188	1.33	-	-	-	-	34	0.24

Table 8.13B:- Number of Crop Holders that Owned Sickle by Geographic area.

Geographic area	Number of Crop holders that owned											
	No Sickle		One Sickle		Two Sickles		Three Sickles		Four Sickles		Five and above Sickles	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Country Level	2,308,951	22.38	4,037,970	39.14	2,573,253	24.94	861,050	8.35	348,337	3.38	186,775	1.81
Tigray Region	81,778	12.17	150,397	22.39	235,452	35.05	112,209	16.70	55,141	8.21	36,760	5.47
Afar Region	5,146	36.84	5,170	37.01	2,370	16.96	830	5.94	288	2.06	166	1.19
Amhara Region	302,819	10.13	930,582	31.13	1,086,838	36.36	421,534	14.10	161,539	5.40	86,042	2.88
Oromia Region	942,609	23.67	1,904,822	47.84	821,427	20.63	202,255	5.08	77,274	1.94	33,317	0.84
Somali Region	30,294	33.89	41,677	46.62	13,871	15.52	2,663	2.98	687	0.77	197	0.22
Benshangul-Gumuz Region	28,173	23.09	46,568	38.16	31,120	25.50	10,526	8.63	3,705	3.04	1,941	1.59
S.N.N.P. Region	884,326	37.14	936,308	39.33	374,312	15.72	109,292	4.59	48,599	2.04	27,907	1.17
Gambela Region	14,484	54.10	9,080	33.91	2,572	9.61	449	1.68	161	0.60	29	0.11
Harari Region	6,851	50.69	5,454	40.35	1,014	7.50	138	1.02	26	0.19	33	0.24
Addis Ababa City Admin.	1,728	13.29	4,795	36.89	4,050	31.16	1,138	8.76	917	7.05	370	2.85
Dire Dawa Admin.Council..	10,743	76.11	3,117	22.08	227	1.61	16	0.11	-	-	13	0.09

Table 8.14B:- Number of Crop Holders that Owned Hay-Fork (metal) by Geographic area.

Geographic area	Number of Crop holders that owned											
	No Hay-Fork (metal)		One Hay-Fork (metal)		Two Hay-Forks (metal)		Three Hay-Forks (metal)		Four Hay-Forks (metal)		Five and above Hay-Forks (metal)	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Country Level	9,920,200	96.16	317,901	3.08	66,498	0.64	8,888	0.09	2,392	0.02	457	0.00
Tigray Region	665,116	99.01	4,405	0.66	1,500	0.22	477	0.07	185	0.03	54	0.01
Afar Region	13,959	99.92	11	0.08	-	-	-	-	-	-	-	-
Amhara Region	2,943,543	98.47	37,631	1.26	6,917	0.23	764	0.03	364	0.01	135	0.00
Oromia Region	3,660,261	91.93	259,231	6.51	53,609	1.35	6,784	0.17	1,582	0.04	237	0.01
Somali Region	88,709	99.24	654	0.73	-	-	26	0.03	-	-	-	-
Benshangul-Gumuz Region	121,475	99.54	376	0.31	162	0.13	20	0.02	-	-	-	-
S.N.N.P. Region	2,369,150	99.51	9,653	0.41	1,474	0.06	300	0.01	167	0.01	-	-
Gambela Region	26,760	99.94	11	0.04	4	0.01	-	-	-	-	-	-
Harari Region	12,851	95.08	642	4.75	23	0.17	-	-	-	-	-	-
Addis Ababa City Admin.	4,482	34.48	5,065	38.97	2,809	21.61	517	3.98	94	0.72	31	0.24
Dire Dawa Admin.Council..	13,894	98.43	222	1.57	-	-	-	-	-	-	-	-

Table 8.15B:- Number of Crop Holders that Owned Hay-Fork (wood) by Geographic area.

Geographic area	Number of Crop holders that owned											
	No Hay-Fork (wood)		One Hay-Fork (wood)		Two Hay-Forks (wood)		Three Hay-Forks (wood)		Four Hay-Forks (wood)		Five and above Hay-Forks (wood)	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Country Level	6,525,318	63.25	2,036,063	19.74	1,225,028	11.87	347,445	3.37	124,577	1.21	57,905	0.56
Tigray Region	207,452	30.88	183,620	27.34	187,186	27.87	62,751	9.34	22,043	3.28	8,685	1.29
Afar Region	13,124	93.94	541	3.87	223	1.60	58	0.42	10	0.07	14	0.10
Amhara Region	1,186,462	39.69	898,018	30.04	630,648	21.10	186,040	6.22	59,456	1.99	28,730	0.96
Oromia Region	2,752,114	69.12	755,311	18.97	339,140	8.52	81,509	2.05	37,194	0.93	16,436	0.41
Somali Region	59,826	66.93	26,230	29.34	3,011	3.37	263	0.29	28	0.03	31	0.03
Benshangul-Gumuz Region	98,981	81.11	9,202	7.54	8,764	7.18	3,052	2.50	1,289	1.06	745	0.61
S.N.N.P. Region	2,147,286	90.19	156,310	6.57	55,619	2.34	13,750	0.58	4,520	0.19	3,259	0.14
Gambela Region	26,720	99.79	19	0.07	32	0.12	4	0.01	-	-	-	-
Harari Region	10,256	75.88	3,069	22.71	160	1.18	18	0.13	13	0.10	-	-
Addis Ababa City Admin.	12,475	95.98	360	2.77	153	1.18	-	-	5	0.04	5	0.04
Dire Dawa Admin.Council..	10,622	75.25	3,383	23.97	92	0.65	-	-	19	0.13	-	-

Table 8.16B:- Number of Crop Holders that Owned Threshing Stick by Geographic area.

Geographic area	Number of Crop holders that owned											
	No Threshing Stick		One Threshing Stick		Two Threshing Sticks		Three Threshing Sticks		Four Threshing Sticks		Five and above Threshing Sticks	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Country Level	8,841,992	85.71	730,885	7.08	425,066	4.12	128,572	1.25	94,877	0.92	94,944	0.92
Tigray Region	611,504	91.03	27,951	4.16	19,581	2.91	6,977	1.04	4,502	0.67	1,222	0.18
Afar Region	13,805	98.82	82	0.59	34	0.24	10	0.07	16	0.11	23	0.16
Amhara Region	2,724,500	91.14	131,497	4.40	72,643	2.43	25,411	0.85	17,879	0.60	17,424	0.58
Oromia Region	3,216,254	80.78	393,928	9.89	216,360	5.43	63,864	1.60	42,291	1.06	49,007	1.23
Somali Region	47,813	53.49	23,283	26.05	9,036	10.11	3,044	3.41	2,644	2.96	3,569	3.99
Benshangul-Gumuz Region..	95,012	77.86	11,510	9.43	8,523	6.98	2,539	2.08	1,857	1.52	2,592	2.12
S.N.N.P. Region	2,081,916	87.45	131,712	5.53	95,587	4.02	25,805	1.08	25,048	1.05	20,676	0.87
Gambela Region	23,644	88.31	2,130	7.96	840	3.14	141	0.53	-	-	20	0.07
Harari Region.....	7,275	53.83	4,020	29.74	1,142	8.45	497	3.68	373	2.76	209	1.55
Addis Ababa City Admin. ...	12,852	98.88	72	0.55	53	0.41	15	0.12	6	0.05	-	-
Dire Dawa Admin.Council..	7,417	52.54	4,700	33.30	1,267	8.98	269	1.91	261	1.85	202	1.43

Table 8.17B:- Number of Crop Holders that Owned Winnowers (metal) by Geographic area.

Geographic area	Number of Crop holders that owned											
	No Winnowers (metal)		One Winnowers (metal)		Two Winnowers (metal)		Three Winnowers (metal)		Four Winnowers (metal)		Five and above Winnowers (metal)	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Country Level	10,291,088	99.76	22,557	0.22	2,153	0.02	319	0.00	35	0.00	184	0.00
Tigray Region	668,033	99.45	3,418	0.51	267	0.04	-	-	19	0.00	-	-
Afar Region	13,970	100.00	-	-	-	-	-	-	-	-	-	-
Amhara Region	2,980,990	99.72	7,339	0.25	714	0.02	138	0.00	16	0.00	157	0.01
Oromia Region	3,972,022	99.76	8,597	0.22	886	0.02	172	0.00	-	-	27	0.00
Somali Region	89,192	99.78	197	0.22	-	-	-	-	-	-	-	-
Benshangul-Gumuz	121,669	99.70	251	0.21	104	0.09	9	0.01	-	-	-	-
S.N.N.P. Region	2,378,362	99.90	2,205	0.09	177	0.01	-	-	-	-	-	-
Gambela Region	26,775	100.00	-	-	-	-	-	-	-	-	-	-
Harari Region.....	13,468	99.64	48	0.36	-	-	-	-	-	-	-	-
Addis Ababa City Admin. ...	12,594	96.89	399	3.07	5	0.04	-	-	-	-	-	-
Dire Dawa Admin.Council..	14,013	99.27	103	0.73	-	-	-	-	-	-	-	-

Table 8.18B:- Number of Crop Holders that Owned Winnowers (wood) by Geographic area.

Geographic area	Number of Crop holders that owned											
	No Winnowers (wood)		One Winnowers (wood)		Two Winnowers (wood)		Three Winnowers (wood)		Four Winnowers (wood)		Five and above Winnowers (wood)	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Country Level	8,022,33	77.76	2,010,746	19.49	253,913	2.46	21,012	0.20	6,235	0.06	2,100	0.02
Tigray Region	559,706	83.32	96,881	14.42	12,591	1.87	1,934	0.29	536	0.08	89	0.01
Afar Region	13,283	95.08	603	4.32	81	0.58	3	0.02	-	-	-	-
Amhara Region	1,975,14	66.07	882,564	29.52	119,765	4.01	8,401	0.28	2,534	0.08	943	0.03
Oromia Region.....	3,011,98	75.65	866,558	21.76	93,369	2.34	6,967	0.17	2,081	0.05	740	0.02
Somali Region.....	72,632	81.25	15,505	17.35	957	1.07	204	0.23	91	0.10	-	-
Benshangul-Gumuz Region..	102,908	84.33	13,231	10.84	4,429	3.63	887	0.73	403	0.33	175	0.14
S.N.N.P. Region.....	2,232,72	93.78	123,744	5.20	20,952	0.88	2,600	0.11	569	0.02	153	0.01
Gambela Region	26,770	99.98	5	0.02	-	-	-	-	-	-	-	-
Harari Region.....	10,748	79.52	2,142	15.85	610	4.51	-	-	16	0.12	-	-
Addis Ababa City Admin.	6,336	48.75	5,821	44.78	820	6.31	16	0.12	5	0.04	-	-
Dire Dawa Admin.Council...	10,085	71.44	3,692	26.15	339	2.40	-	-	-	-	-	-

Table 8.19B:- Number of Crop Holders that Owned Cart by Geographic area.

Geographic area	Number of Crop holders that owned											
	No Cart		One Cart		Two Carts		Three Carts		Four Carts		Five and above Carts	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Country Level	10,259,926	99.45	49,454	0.48	5,897	0.06	527	0.01	503	0.00	29	0.00
Tigray Region	670,641	99.84	1,006	0.15	70	0.01	20	0.00	-	-	-	-
Afar Region	13,901	99.51	53	0.38	13	0.09	3	0.02	-	-	-	-
Amhara Region	2,987,208	99.93	1,642	0.05	381	0.01	80	0.00	43	0.00	-	-
Oromia Region	3,944,100	99.06	32,482	0.82	4,411	0.11	325	0.01	357	0.01	29	0.00
Somali Region	88,779	99.32	568	0.64	30	0.03	-	-	12	0.01	-	-
Benshangul-Gumuz Region	122,012	99.98	21	0.02	-	-	-	-	-	-	-	-
S.N.N.P. Region	2,365,972	99.38	13,607	0.57	992	0.04	82	0.00	91	0.00	-	-
Gambela Region	26,739	99.87	36	0.13	-	-	-	-	-	-	-	-
Harari Region	13,468	99.64	31	0.23	-	-	17	0.13	-	-	-	-
Addis Ababa City Admin.	12,990	99.94	8	0.06	-	-	-	-	-	-	-	-
Dire Dawa Admin.Council.	14,116	100.00	-	-	-	-	-	-	-	-	-	-

Table 8.20B:- Number of Crop Holders that Owned Sprayer (hand operated) by Geographic area.

Geographic area	Number of Crop holders that owned											
	No Sprayer		One Sprayer		Two Sprayers		Three Sprayers		Four Sprayers		Five and above Sprayers	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Country Level	10,223,500	99.10	83,914	0.81	6,528	0.06	1,674	0.02	430	0.00	290	0.00
Tigray Region	668,641	99.54	1,685	0.25	962	0.14	183	0.03	194	0.03	72	0.01
Afar Region	13,815	98.89	125	0.89	18	0.13	12	0.09	-	-	-	-
Amhara Region	2,978,643	99.64	7,927	0.27	1,797	0.06	734	0.02	164	0.01	89	0.00
Oromia Region	3,924,641	98.57	54,134	1.36	2,253	0.06	527	0.01	34	0.00	115	0.00
Somali Region	89,093	99.67	239	0.27	57	0.06	-	-	-	-	-	-
Benshangul-Gumuz	121,548	99.60	348	0.29	106	0.09	26	0.02	-	-	5	0.00
S.N.N.P. Region	2,360,855	99.16	18,338	0.77	1,321	0.06	192	0.01	38	0.00	-	-
Gambela Region	26,612	99.39	140	0.52	14	0.05	-	-	-	-	9	0.03
Harari Region	13,113	97.02	403	2.98	-	-	-	-	-	-	-	-
Addis Ababa City Admin.	12,423	95.58	575	4.42	-	-	-	-	-	-	-	-
Dire Dawa Admin.Council.	14,116	100.00	-	-	-	-	-	-	-	-	-	-

Table 8.21B:- Number of Crop Holders that Owned Wheelbarrow by Geographic area.

Geographic area	Number of Crop holders that owned											
	No Wheelbarrow		One Wheelbarrow		Two Wheelbarrows		Three Wheelbarrows		Four Wheelbarrows		Five and above Wheelbarrows	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Country Level	10,292,773	99.77	22,668	0.22	648	0.01	115	0.00	75	0.00	57	0.00
Tigray Region	670,938	99.88	761	0.11	20	0.00	-	-	18	0.00	-	-
Afar Region	13,904	99.53	53	0.38	13	0.09	-	-	-	-	-	-
Amhara Region	2,988,408	99.97	946	0.03	-	-	-	-	-	-	-	-
Oromia Region	3,967,712	99.65	13,565	0.34	367	0.01	60	0.00	-	-	-	-
Somali Region	87,857	98.29	1,403	1.57	103	0.12	26	0.03	-	-	-	-
Benshangul-Gumuz Region	121,914	99.90	119	0.10	-	-	-	-	-	-	-	-
S.N.N.P. Region	2,375,466	99.78	5,023	0.21	112	0.00	29	0.00	57	0.00	57	0.00
Gambela Region	26,681	99.65	94	0.35	-	-	-	-	-	-	-	-
Harari Region	13,119	97.06	397	2.94	-	-	-	-	-	-	-	-
Addis Ababa City Admin.	12,975	99.82	14	0.11	9	0.07	-	-	-	-	-	-
Dire Dawa Admin.Council.	13,799	97.75	293	2.08	24	0.17	-	-	-	-	-	-

Table 8.22B:- Number of Crop Holders that Owned Ass (Specifically for ploughing) by Geographic area.

Geographic area	Number of Crop holders that owned											
	No Ass		One Ass		Two Asses		Three Asses		Four Asses		Five and above Asses	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Country Level	10,283,627	99.68	24,532	0.24	7,181	0.07	673	0.01	257	0.00	66	0.00
Tigray Region.....	668,653	99.54	2,573	0.38	401	0.06	74	0.01	36	0.01	-	-
Afar Region	13,966	99.97	4	0.03	-	-	-	-	-	-	-	-
Amhara Region	2,968,619	99.31	16,078	0.54	4,206	0.14	352	0.01	74	0.00	25	0.00
Oromia Region	3,976,685	99.87	3,302	0.08	1,440	0.04	104	0.00	132	0.00	41	0.00
Somali Region	88,732	99.27	481	0.54	172	0.19	-	-	4	0.00	-	-
Benshangul-Gumuz	121,901	99.89	73	0.06	44	0.04	15	0.01	-	-	-	-
S.N.N.P. Region	2,378,004	99.88	1,981	0.08	748	0.03	-	-	11	0.00	-	-
Gambela Region	26,775	100.00	-	-	-	-	-	-	-	-	-	-
Harari Region.....	13,493	99.83	-	-	23	0.17	-	-	-	-	-	-
Addis Ababa City Admin. ...	12,723	97.88	-	-	147	1.13	128	0.98	-	-	-	-
Dire Dawa Admin Council	14,076	99.72	40	0.28	-	-	-	-	-	-	-	-

Table 8.23B:- Number of Crop Holders that Owned Camel (Specifically for ploughing) by Geographic area.

[illegible]

Table 8.24B:- Number of Crop Holders that Owned Horse (Specifically for ploughing) by Geographic area.

[illegible]

Table 8.25B:- Number of Crop Holders that Owned Mule (Specifically for ploughing by Geographic area.

Geographic area	Number of Crop holders that owned											
	No Mule		One Mule		Two Mules		Three Mules		Four Mules		Five and above Mules	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Country Level	10,312,456	99.96	3,446	0.03	385	0.00	49	0.00	-	-	-	-
Tigray Region	671,586	99.98	59	0.01	68	0.01	24	0.00	-	-	-	-
Afar Region	13,970	100.00	-	-	-	-	-	-	-	-	-	-
Amhara Region	2,985,625	99.88	3,387	0.11	317	0.01	25	0.00	-	-	-	-
Oromia Region	3,981,704	100.00	-	-	-	-	-	-	-	-	-	-
Somali Region	89,389	100.00	-	-	-	-	-	-	-	-	-	-
Benshangul-Gumuz	122,033	100.00	-	-	-	-	-	-	-	-	-	-
S.N.N.P. Region	2,380,744	100.00	-	-	-	-	-	-	-	-	-	-
Gambela Region	26,775	100.00	-	-	-	-	-	-	-	-	-	-
Harari Region.....	13,516	100.00	-	-	-	-	-	-	-	-	-	-
Addis Ababa City Admin...	12,998	100.00	-	-	-	-	-	-	-	-	-	-
Dire Dawa Admin.Council.	14,116	100.00	-	-	-	-	-	-	-	-	-	-

Table 8.26B:- Number of Crop Holders that Owned Ox (Specifically for ploughing) by Geographic area.

Geographic area	Number of Crop holders that owned											
	No Ox		One Ox		Two Oxen		Three Oxen		Four Oxen		Five and above Oxen	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Country Level	4,377,474	42.43	2,623,316	25.43	2,756,638	26.72	278,428	2.70	231,265	2.24	49,215	0.48
Tigray Region	196,416	29.24	212,166	31.58	221,998	33.05	24,296	3.62	13,506	2.01	3,355	0.50
Afar Region	8,898	63.69	1,310	9.38	3,227	23.10	274	1.96	243	1.74	18	0.13
Amhara Region	867,214	29.01	953,497	31.90	995,066	33.29	113,578	3.80	49,346	1.65	10,653	0.36
Oromia Region	1,585,498	39.82	919,765	23.10	1,185,006	29.76	115,974	2.91	145,452	3.65	30,009	0.75
Somali Region	37,113	41.52	16,352	18.29	33,340	37.30	1,844	2.06	643	0.72	97	0.11
Benshangul-Gumuz	84,553	69.29	14,198	11.63	18,337	15.03	2,050	1.68	2,017	1.65	878	0.72
S.N.N.P. Region	1,551,113	65.15	498,175	20.93	291,246	12.23	19,186	0.81	17,613	0.74	3,411	0.14
Gambela Region	25,561	95.47	673	2.51	476	1.78	24	0.09	29	0.11	12	0.04
Harari Region.....	8,661	64.08	2,281	16.88	2,450	18.13	124	0.92	-	-	-	-
Addis Ababa City Admin...	3,645	28.04	1,129	8.69	4,164	32.04	893	6.87	2,385	18.35	782	6.02
Dire Dawa Admin.Council.	8,802	62.35	3,770	26.71	1,328	9.41	185	1.31	31	0.22	-	-

Table 8.27B:- Number of Crop Holders that Owned Ass (For threshing or transportation) by Geographic area.

Geographic area	Number of Crop holders that owned											
	No Ass		One Ass		Two Asses		Three Asses		Four Asses		Five and above Asses	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Country Level	7,998,029	77.53	1,888,772	18.31	365,037	3.54	50,027	0.48	9,183	0.09	5,288	0.05
Tigray Region	447,646	66.64	174,425	25.97	41,573	6.19	6,594	0.98	820	0.12	679	0.10
Afar Region	11,957	85.59	1,225	8.77	672	4.81	105	0.75	-	-	11	0.08
Amhara Region	2,102,809	70.34	731,149	24.46	134,385	4.50	16,454	0.55	2,153	0.07	2,404	0.08
Oromia Region	3,006,116	75.50	781,908	19.64	161,975	4.07	24,097	0.61	5,668	0.14	1,940	0.05
Somali Region	51,895	58.06	30,108	33.68	6,619	7.40	580	0.65	172	0.19	15	0.02
Benshangul-Gumuz Region...	103,013	84.41	15,560	12.75	2,825	2.31	414	0.34	141	0.12	80	0.07
S.N.N.P. Region	2,226,228	93.51	139,750	5.87	13,337	0.56	1,159	0.05	136	0.01	134	0.01
Gambela Region	26,721	99.80	54	0.20	-	-	-	-	-	-	-	-
Harari Region.....	9,342	69.12	3,834	28.37	300	2.22	40	0.30	-	-	-	-
Addis Ababa City Admin....	4,446	34.21	4,891	37.63	3,033	23.33	510	3.92	93	0.72	25	0.19
Dire Dawa Admin.Council...	7,856	55.65	5,868	41.57	318	2.25	74	0.52	-	-	-	-

Table 8.28B:- Number of Crop Holders that Owned Camel (For threshing or transportation) by Geographic area.

Geographic area	Number of Crop holders that owned											
	No Camel		One Camel		Two Camels		Three Camels		Four Camels		Five and above Camels	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Country Level	10,269,119	99.54	32,665	0.32	8,872	0.09	2,479	0.02	1,389	0.01	1,812	0.02
Tigray Region.....	661,243	98.44	5,931	0.88	1,668	0.25	985	0.15	642	0.10	1,268	0.19
Afar Region	11,580	82.89	1,878	13.44	389	2.78	50	0.36	18	0.13	55	0.39
Amhara Region.....	2,980,199	99.69	6,556	0.22	1,962	0.07	435	0.01	121	0.00	81	0.00
Oromia Region	3,970,253	99.71	8,129	0.20	2,259	0.06	617	0.02	261	0.01	185	0.00
Somali Region	78,025	87.29	8,262	9.24	2,227	2.49	392	0.44	314	0.35	169	0.19
Benshangul-Gumuz Region.....	122,033	100.00	-	-	-	-	-	-	-	-	-	-
S.N.N.P. Region	2,380,710	100.00	34	0.00	-	-	-	-	-	-	-	-
Gambela Region	26,775	100.00	-	-	-	-	-	-	-	-	-	-
Harari Region.....	13,432	99.38	84	0.62	-	-	-	-	-	-	-	-
Addis Ababa City Admin.	12,998	100.00	-	-	-	-	-	-	-	-	-	-
Dire Dawa Admin.Council.....	11,871	84.10	1,791	12.69	367	2.60	-	-	33	0.23	54	0.38

Table 8.29B:- Number of Crop Holders that Owned Cattle (For threshing or transportation) by Geographic area.

Geographic area	Number of Crop holders that owned											
	No Cattle		One Cattle		Two Cattle		Three Cattle		Four Cattle		Five and above Cattle	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Country Level	4,214,606	40.85	2,126,708	20.61	2,196,319	21.29	722,209	7.00	519,911	5.04	536,583	5.20
Tigray Region.....	184,594	27.48	159,136	23.69	181,882	27.08	69,510	10.35	41,845	6.23	34,770	5.18
Afar Region	8,963	64.16	1,114	7.97	2,503	17.92	651	4.66	335	2.40	404	2.89
Amhara Region.....	749,094	25.06	685,033	22.92	785,388	26.27	353,875	11.84	213,732	7.15	202,232	6.77
Oromia Region	1,537,259	38.61	775,945	19.49	901,343	22.64	257,459	6.47	232,534	5.84	277,164	6.96
Somali Region	40,203	44.98	14,160	15.84	27,052	30.26	4,342	4.86	2,134	2.39	1,498	1.68
Benshangul-Gumuz	82,032	67.22	12,157	9.96	14,248	11.68	4,738	3.88	3,511	2.88	5,347	4.38
S.N.N.P. Region	1,565,695	65.76	472,326	19.84	277,425	11.65	29,519	1.24	23,940	1.01	11,839	0.50
Gambela Region	25,643	95.77	615	2.30	443	1.65	29	0.11	29	0.11	16	0.06
Harari Region.....	8,676	64.19	2,130	15.76	2,503	18.52	194	1.44	13	0.10	-	-
Addis Ababa City Admin.	3,114	23.96	904	6.95	2,217	17.06	1,707	13.13	1,743	13.41	3,313	25.49
Dire Dawa	9,333	66.12	3,188	22.58	1,315	9.32	185	1.31	95	0.67	-	-

Table 8.30B:- Number of Crop Holders that Owned Horse (For threshing or transportation) by Geographic area.

[illegible]

Table 8.31B:- Number of Crop Holders that Owned Mule (For threshing or transportation) by Geographic area.

Geographic area	Number of Crop holders that owned											
	No Mule		One Mule		Two Mules		Three Mules		Four Mules		Five and above Mules	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Country Level	10,120,152	98.10	187,603	1.82	7,716	0.07	484	0.00	211	0.00	170	0.00
Tigray Region	666,706	99.25	4,331	0.64	506	0.08	126	0.02	36	0.01	32	0.00
Afar Region	13,844	99.10	100	0.72	13	0.09	13	0.09	-	-	-	-
Amhara Region	2,928,459	97.96	57,089	1.91	3,598	0.12	72	0.00	27	0.00	109	0.00
Oromia Region	3,892,779	97.77	86,228	2.17	2,456	0.06	109	0.00	103	0.00	29	0.00
Somali Region	89,295	99.89	51	0.06	17	0.02	26	0.03	-	-	-	-
Benshangul-Gumuz	122,033	100.00	-	-	-	-	-	-	-	-	-	-
S.N.N.P. Region	2,339,753	98.28	39,687	1.67	1,121	0.05	138	0.01	45	0.00	-	-
Gambela Region	26,775	100.00	-	-	-	-	-	-	-	-	-	-
Harari Region	13,516	100.00	-	-	-	-	-	-	-	-	-	-
Addis Ababa City Admin. ...	12,934	99.51	59	0.45	5	0.04	-	-	-	-	-	-
Dire Dawa Admin.Council. ...	14,058	99.59	58	0.41	-	-	-	-	-	-	-	-

Table 8.32B:- Number of Crop Holders that Owned Local Storage 'Debignit' by Geographic area.

Geographic area	Number of Crop holders that owned											
	No 'Debignit'		One 'Debignit'		Two 'Debignits'		Three 'Debignits'		Four 'Debignits'		Five and above 'Debignits'	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Country Level	6,595,925	63.94	943,022	9.14	1,163,403	11.28	834,488	8.09	451,314	4.37	328,184	3.18
Tigray Region	264,702	39.41	61,201	9.11	105,883	15.76	88,456	13.17	61,878	9.21	89,617	13.34
Afar Region	13,293	95.15	342	2.45	226	1.62	71	0.51	28	0.20	10	0.07
Amhara Region	787,101	26.33	389,562	13.03	676,932	22.64	601,489	20.12	325,255	10.88	209,015	6.99
Oromia Region	3,019,071	75.82	390,257	9.80	346,649	8.71	135,877	3.41	61,429	1.54	28,421	0.71
Somali Region	88,964	99.52	425	0.48	-	-	-	-	-	-	-	-
Benshangul-Gumuz Region. ...	111,547	91.41	5,443	4.46	2,787	2.28	1,352	1.11	612	0.50	292	0.24
S.N.N.P. Region	2,249,432	94.48	93,511	3.93	28,952	1.22	6,479	0.27	1,785	0.07	585	0.02
Gambela Region	26,586	99.29	132	0.49	57	0.21	-	-	-	-	-	-
Harari Region	13,320	98.55	166	1.23	-	-	30	0.22	-	-	-	-
Addis Ababa City Admin. ...	9,264	71.27	946	7.28	1,503	11.56	714	5.49	327	2.52	244	1.88
Dire Dawa Admin.Council. ...	12,645	89.58	1,037	7.35	414	2.93	20	0.14	-	-	-	-

Table 8.33B:- Number of Crop Holders that Owned Local Storage 'Gottera' by Geographic area.

Geographic area	Number of Crop holders that owned											
	No 'Gottera'		One 'Gottera'		Two 'Gotteras'		Three 'Gotteras'		Four 'Gotteras'		Five and above 'Gotteras'	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Country Level	6,325,749	61.32	2,310,771	22.40	1,057,433	10.25	391,032	3.79	148,144	1.44	83,207	0.81
Tigray Region	458,285	68.22	65,499	9.75	62,959	9.37	40,787	6.07	21,549	3.21	22,658	3.37
Afar Region	12,312	88.13	863	6.18	538	3.85	157	1.12	64	0.46	36	0.26
Amhara Region	1,958,646	65.52	488,789	16.35	322,221	10.78	138,015	4.62	52,958	1.77	28,725	0.96
Oromia Region	2,034,066	51.09	1,122,574	28.19	545,990	13.71	185,009	4.65	65,890	1.65	28,175	0.71
Somali Region	83,126	92.99	5,807	6.50	437	0.49	19	0.02	-	-	-	-
Benshangul-Gumuz Region. ...	32,021	26.24	61,537	50.43	19,756	16.19	5,948	4.87	2,011	1.65	760	0.62
S.N.N.P. Region	1,698,966	71.36	552,670	23.21	101,047	4.24	19,964	0.84	5,302	0.22	2,795	0.12
Gambela Region	8,542	31.90	12,568	46.94	4,199	15.68	1,062	3.97	358	1.34	46	0.17
Harari Region	13,516	100.00	-	-	-	-	-	-	-	-	-	-
Addis Ababa City Admin. ...	12,312	94.72	325	2.50	266	2.05	71	0.55	12	0.09	12	0.09
Dire Dawa Admin.Council. ...	13,957	98.87	139	0.98	20	0.14	-	-	-	-	-	-

Table 8.34B:- Number of Crop Holders that Owned Local Storage 'Gudguad' by Geographic area.

Geographic area	Number of Crop holders that owned											
	No 'Gudguad'		One 'Gudguad'		Two 'Gudguads'		Three 'Gudguads'		Four 'Gudguads'		Five and above 'Gudguads'	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Country Level	8,553,601	82.91	1,432,633	13.89	255,466	2.48	52,756	0.51	15,292	0.15	6,588	0.06
Tigray Region	649,104	96.63	17,832	2.65	3,375	0.50	646	0.10	267	0.04	513	0.08
Afar Region	12,211	87.41	1,537	11.00	208	1.49	-	-	5	0.04	9	0.06
Amhara Region	2,664,837	89.14	261,549	8.75	47,468	1.59	10,210	0.34	2,965	0.10	2,325	0.08
Oromia Region	3,304,513	82.99	597,609	15.01	60,814	1.53	12,047	0.30	4,637	0.12	2,084	0.05
Somali Region	46,089	51.56	33,103	37.03	8,282	9.27	1,544	1.73	193	0.22	178	0.20
Benshangul-Gumuz Region	121,936	99.92	78	0.06	19	0.02	-	-	-	-	-	-
S.N.N.P. Region	1,706,600	71.68	502,233	21.10	134,941	5.67	28,288	1.19	7,225	0.30	1,457	0.06
Gambela Region	26,650	99.53	125	0.47	-	-	-	-	-	-	-	-
Harari Region	6,127	45.33	7,090	52.46	278	2.06	21	0.16	-	-	-	-
Addis Ababa City Admin.	12,985	99.90	13	0.10	-	-	-	-	-	-	-	-
Dire Dawa Admin.Council.	2,549	18.06	11,464	81.21	81	0.57	-	-	-	-	22	0.16

Table 8.35B:- Number of Crop Holders that Owned Modern Storage by Geographic area.

Geographic area	Number of Crop holders that owned											
	No Modern Storage		One Modern Storage		Two Modern Storages		Three Modern Storages		Four Modern Storages		Five and above Modern Storages	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Country Level	10,289,374	99.74	18,489	0.18	5,081	0.05	2,269	0.02	610	0.01	513	0.00
Tigray Region	670,595	99.83	384	0.06	324	0.05	184	0.03	156	0.02	94	0.01
Afar Region	13,970	100.00	-	-	-	-	-	-	-	-	-	-
Amhara Region	2,984,146	99.83	2,609	0.09	1,176	0.04	931	0.03	187	0.01	305	0.01
Oromia Region	3,966,423	99.62	11,121	0.28	2,802	0.07	997	0.03	247	0.01	114	0.00
Somali Region	89,384	99.99	5	0.01	-	-	-	-	-	-	-	-
Benshangul-Gumuz	121,485	99.55	271	0.22	208	0.17	49	0.04	20	0.02	-	-
S.N.N.P. Region	2,376,158	99.81	3,907	0.16	571	0.02	108	0.00	-	-	-	-
Gambela Region	26,686	99.67	89	0.33	-	-	-	-	-	-	-	-
Harari Region	13,516	100.00	-	-	-	-	-	-	-	-	-	-
Addis Ababa City Admin.	12,916	99.37	82	0.63	-	-	-	-	-	-	-	-
Dire Dawa Admin.Council.	14,095	99.85	21	0.15	-	-	-	-	-	-	-	-

ANNEX TABLES PRESENTING
ESTIMATES, STANDARD ERRORS AND
COEFFICIENT OF VARIATION
FOR SELECTED FARM IMPLEMENT VARIABLES

Annex Tables 8.1

ANNEX TABLE 8.1:- Standard Errors and Coefficient of Variation For the Number of Holders Reporting, Quantity Reported and Total Value, for Private Holdings, Country Level.

Implements, Equipment, Farm animals and Storage facilities	Number of Holders			Number of Implements, Equipment, Farm animals and Storages			Total Value		
	Reporting	S.E	C.V	Reported	S.E	C.V	(Birr)	S.E	C.V
Used for Clearing Land									
Axes	8,271,873	57,504.59	56.60	13,482,354	124,897.58	75.31	102,110,823	134,904,114.26	75.47
'Gejeras'	2,772,239	43,368.46	112.39	3,538,230	62,614.57	112.99	42,126,332	90,669,843.79	117.19
Shovels	2,449,144	35,038.02	67.88	2,731,105	44,022.98	71.21	29,825,513	62,987,760.80	89.55
Used for Cultivation									
Hoes	3,308,763	54,628.18	74.75	4,538,758	96,473.97	80.79	38,838,253	86,508,271.35	94.75
'Mekeskeshas'	576,415	34,216.81	229.47	834,569	55,449.38	232.06	4,291,948	31,516,844.92	155.12
Pick Axes.....	2,922,674	58,425.96	122.05	4,123,466	98,519.89	128.79	29,344,848	73,201,414.33	137.74
Tractors.....	-	-	-	-	-	-	-	-	-
Parts for traditional Plough									
'Degers'	6,380,575	51,431.76	98.88	11,961,367	144,402.69	115.25	28,301,057	44,354,524.62	117.69
'Erfes' (Handle)	6,289,158	52,171.81	99.80	9,703,402	116,791.33	110.28	18,627,954	34,036,278.81	122.98
Plough-Beams.	6,436,099	51,464.84	98.31	9,585,674	88,429.50	100.31	83,913,636	132,230,453.37	110.47
Plough -Tips (Metal)	6,433,074	52,518.05	95.78	7,550,864	69,348.12	96.07	119,845,788	137,499,974.01	106.96
'Wegel' -Tips.....	6,315,357	51,602.32	98.67	7,357,748	69,747.37	102.51	33,828,497	41,858,312.48	110.23
Yokes.....	6,392,643	51,527.35	97.76	7,721,821	69,779.59	99.22	51,305,267	74,761,373.64	108.94
Used for Harvesting									
Sickles.....	8,007,178	56,214.36	72.95	14,240,730	119,914.37	74.89	97,941,253	128,016,994.12	88.77
Used for Threshing									
Hay-Forks (Metal)	396,089	13,321.27	170.24	490,009	17,857.55	170.25	7,081,509	30,179,193.81	200.50
Hay-Forks (Wood)	3,790,823	40,950.89	116.05	6,366,262	80,213.76	121.88	23,221,919	42,111,288.41	105.36
Threshing Sticks	1,474,177	47,071.03	122.25	3,085,391	137,395.05	134.91	3,921,309	21,608,769.69	149.79
Winnowers (Metal)	24,794	3,066.47	164.28	28,614	3,702.70	168.52	230,745	3,135,170.29	135.89
Winnowers (Wood)	2,293,855	37,345.08	99.61	2,619,392	46,713.07	102.28	19,919,586	43,206,999.71	123.37
Other Farm Equipment									
Carts (Hauling)	56,297	5,904.87	107.70	64,924	8,010.47	105.13	14,242,063	212,069,057.18	125.58
Sprayers (Hand Operated) ..	92,258	5,454.79	147.94	105,090	6,583.83	157.67	19,576,370	132,246,779.92	190.18
Sprayers (Power Operated)	*	*	*	*	*	*	*	*	*
Tying Tools	*	*	*	*	*	*	*	*	*
Wheelbarrows.....	23,222	2,995.74	251.48	24,517	3,274.32	245.55	2,300,144	35,502,262.76	149.19
Animals Used for Ploughing									
Asses.....	32,368	4,179.83	111.50	41,711	5,571.05	117.86	17,194,162	237,394,428.11	119.50
Camels	1,103	436.86	121.92	1,238	495.94	122.12	1,589,323	60,672,345.68	121.83
Horses	60,048	4,629.97	38.38	86,382	6,742.36	39.07	30,357,567	258,515,379.79	42.15
Mules	3,879	1,025.88	72.38	4,096	1,038.11	25.35	3,038,525	81,864,534.34	26.94
Oxen	5,938,455	50,284.34	93.42	10,518,673	173,437.13	99.29	6,033,407,759	6,915,993,358.32	100.64
AnimalsUsed for Threshing or Transportation									
Asses.....	2,318,167	37,908.60	83.71	2,878,737	59,581.04	84.91	650,386,746	1,284,785,017.63	88.75
Camels	47,091	4,691.38	67.56	75,786	8,749.42	74.13	81,630,684	987,093,797.53	78.36
Cattle.....	6,101,543	51,822.55	99.39	14,749,936	227,102.93	104.29	7,714,695,707	11,651,301,506.37	106.68
Horses	684,651	21,699.18	169.45	909,604	32,957.71	165.81	321,431,122	1,084,491,196.63	152.29
Mules	196,128	7,729.09	117.04	206,375	8,361.12	81.83	169,874,134	713,925,782.18	95.09
Storage Structure									
'Debignits'	3,720,280	47,803.01	192.38	9,607,886	150,752.69	202.44	71,234,536	191,968,630.38	224.67
'Gotteras'	3,990,337	59,011.73	48.75	6,739,609	129,239.19	56.64	125,041,082	343,011,959.84	58.35
'Gudguads'	1,762,471	42,217.85	44.58	2,204,445	59,777.24	47.71	37,032,034	202,206,762.41	74.33
Modern Storages	26,858	2,593.29	97.66	40,586	4,526.58	106.62	2,582,339	116,806,741.75	143.34