

PART I

INTRODUCTION AND OBJECTIVES OF THE SURVEY

1.1 INTRODUCTION

Agriculture is the livelihood of the overwhelming majority of Ethiopians. It is the source of food and cash for those who are engaged in the sector and others. Most agricultural holders acquire the food they consume and the cash they need to cover other expenses only from farming activities. Since farming in Ethiopia is often precarious and usually at the mercy of nature, it is invariably an arduous struggle for the holders to make ends meet. This, it often transpires, is true to the frequent shortfalls in the volume of production that occur in the country.

It is often said that what most Ethiopian agricultural holders produce is only enough to live, hand to mouth. This would be better said if it was statistically substantiated. There is plenty of information on the volume of crops produced within the private peasant holdings. But there is hardly any information on how the peasants utilize the crops and livestock products they produce which will be indicative of the fact whether the holders have enough or little to sell in order to meet other expenses of living.

Data on crop and livestock product utilization were collected in the 2009/10 (2002 E.C.) Agricultural Sample Survey. Thus, for use in the sample survey taking, crop and livestock product utilization was defined as the amount of agricultural produce used for own consumption, sale, seed, wages in kind, animal feed and other purposes. In light of this information gap, the CSA has collected some data on

how holders use their agricultural produce in the agricultural year to provide some information on the subject. The data were collected by interviewing the holders. They were asked to quantify their yearly crop and livestock product utilization experience in percent based on common practice.

1.2. OBJECTIVES OF THE SURVEY

The general objective of Central Statistical Agency's (CSA's) Agricultural Sample Survey (AgSS) is to collect basic quantitative information on the country's agriculture that is essential for planning, policy formulation, monitoring and evaluation of mainly food security and other agricultural activities. The AgSS is composed of four components: Crop Production Forecast Survey, Meher Season Post Harvest Survey, Livestock Survey and Belg Season Survey.

The specific objectives of Meher Season Post Harvest Survey are to estimate the crop and livestock product utilization for Meher Season agriculture in Ethiopia. The report is based on private peasant holdings in rural sedentary areas of the country and part of companion reports on the performance of agriculture in the country. The report is compiled at regional level.

PART II

SURVEY METHODOLOGY, DATA COLLECTION AND PROCESSING

2.1. SCOPE AND COVERAGE OF THE SURVEY

The range of data items that the 2009/10 (2002 E.C) Annual Agricultural Sample Survey (Meher Season) dealt with includes all cereals, pulses and oilseeds and the most commonly grown vegetables, root crops and permanent (perennial) crops. Holders growing at least one or more of these and / or other crops are enumerated and data on crop area and yield condition recorded, hence data on production of these crops acquired.

The 2009/10 (2002 E.C) Annual Agricultural Sample Survey (Meher season) covered the entire rural parts of the country except the non-sedentary population of three zones of Afar & six zones of Somali regions.

To be covered by the survey, a total of 1,660 Enumeration Areas (EAs) were selected. However, due to various reasons that are beyond control, in 25 EAs the survey could not be successful and hence interrupted. Thus, all in all the survey succeeded to cover 1,635 EAs (98.5 %) throughout the regions. The Annual Agricultural Sample survey (Meher season) was conducted on the basis of 20 agricultural households selected from each EA. Regarding the ultimate sampling units, it was intended to cover a total of 33,200 agricultural households, however, 32,630 (98.3 %) were actually covered by the survey.

2.2 SAMPLING FRAME

The list containing EAs of all regions and their respective households obtained from the 1999 E.C cartographic census frame was used as the sampling frame in order to select the primary sampling units (EAs). Consequently, all sample EAs were selected from this frame based on the design proposed for the survey. The

second stage sampling units, households, were selected from a fresh list of households that were prepared for each EA at the beginning of the survey.

2.3 SAMPLE DESIGN

In order to select the sample a stratified two-stage cluster sample design was implemented. Enumeration areas (EAs) were taken to be the primary sampling units (PSUs) and the secondary sampling units (SSUs) were agricultural households.

The sample size for the 2009/10 agricultural sample survey was determined by taking into account of both the required level of precision for the most important estimates within each domain and the amount of resources allocated to the survey. In order to reduce non-sampling errors, manageability of the survey in terms of quality and operational control was also considered.

All regions were taken to be the domain of estimation for which major findings of the survey are reported.

2.4 SELECTION SCHEME

Enumeration areas from each stratum were selected systematically using probability proportional to size sampling technique; size being number of agricultural households. The sizes for EAs were obtained from the 1999 E.C cartographic census frame. From the fresh list of households prepared at the beginning of the survey 20 agricultural households within each sample EA were selected systematically.

Estimation procedure of totals, ratios, sampling error and the measurement of precision of estimates (CV) are given in Appendix-I and II respectively. Distribution of sampling units (sampled and covered EAs and households) by stratum is also presented in Appendix-III.

2.5. ORGANIZATION OF FIELD WORK

The conduct of a survey cannot be executed without the arrangement of fieldwork. In recognition of this, the organization of fieldwork has been entrusted to the Department of Regional Offices and Field Operations that liaises between the Head Office and the 25 Branch Statistical Offices spread across the regions. All Branch Offices took part in the survey execution especially in recruiting the enumerators, organizing the 2nd stage training, assigning the field staff to their sites of enumeration, supervising the data collection and retrieving completed questionnaires and submitting them to the Head Office for data processing.

The Branch Offices were also responsible for administering the financial and logistic aspects of the survey within their areas of operation. A total of 1,817 enumerators, 558 field supervisors, 44 coordinators and 65 statisticians were involved in the data collection where on the average one supervisor was assigned to five enumeration areas for supervision of data collection. All the enumerators were supplied with the necessary survey equipment after the completion of the training to ensure the smooth operation of the survey. To facilitate the data collection activities, a total of 164 four-wheel drive vehicles were used.

2.6. TRAINING OF FIELD STAFF

The execution of a survey and quality of data acquired from the survey highly depend on the type of training given to the enumerators and supervisors and the consequent understanding of the tasks to be performed and the standard procedures to be followed by the enumerators and supervisors in the survey undertaking. The quality and completeness of data are ensured when the training meets its objective of producing responsible and fervent enumerators and supervisors.

In light of this point, the training was given to the field staff in two stages. The first stage training, which took place at the Head Quarters of CSA and lasted 7

days targeted staff from the Head Office, statisticians and senior field supervisors from Branch Statistical Offices. The staff that took part in the first stage training was then assigned to conduct similar training for the enumerators and other supervisors for 12 days in all the twenty- five Branch Statistical Offices distributed across the country.

In the training the field staff was given detailed classroom instruction on how to collect data, method of area measurement, interviewing procedures, etc. The training also included field practice to reinforce the understanding of concepts, definitions and theories discussed in the classroom with regard to field measurement, crop cutting, GPS reading and interviewing methods.

2.7. METHOD OF DATA COLLECTION

Crop and livestock product utilization data for the year 2008/9/09 (2001 E.C) was collected from sedentary rural peasant households by interviewing the selected agricultural holders.

2.8. DATA PROCESSING

a) Editing, Coding and Verification

Statistical data editing plays an important role in ensuring the quality of the collected survey data. It minimizes the effects of errors introduced while collecting data in the field, hence the need for data editing, coding and verification. Although coding and editing are done by the enumerators and supervisors in the field, respectively, verification of this task is done at the Head Office.

An editing, coding and verification instruction manual was prepared and reproduced for this purpose. Then 66 editors-coders and verifiers were trained for

two days in editing, coding and verification using the aforementioned manual as a reference and teaching aid. The completed questionnaires were edited, coded and later verified on a 100 % basis before the questionnaires were passed over to the data entry unit. The editing, coding and verification exercise of all questionnaires took **18 days**.

b) Data Entry, Cleaning and Tabulation

Before data entry, the Agriculture, Natural Resources and Environment Statistics Directorate of the CSA prepared edit specification for the survey for use on personal computers for data consistency checking purposes. The data on the edited and coded questionnaires were then entered into personal computers. The data were then checked and cleaned using the edit specifications prepared earlier for this purpose. The data entry operation involved about 87 data encoders, 7 data encoder supervisors, 12 data cleaning operators and 55 personal computers. The data entered into the computers using the entry module of the CSPRO (Census and Survey Processing System) software, which is a software package developed by the United States Bureau of the Census. Following the data entry operations, the data was further reviewed for data inconsistencies, missing data ... etc. by the regular professional staff from Agriculture, Natural Resources and Environment Statistics Directorate. The final stage of the data processing was to summarizing the cleaned data and produce statistical tables that present the results of the survey using the tabulation component of the PC based CSPRO software produced by professional staff from Agriculture, Natural Resources and Environment Statistics Directorate.

2.9. CONCEPTS AND DEFINITIONS

Data items of agriculture have to be distinctly defined and identified, so that the information about the items becomes useful. The correct way of stating data items and related terms is a prerequisite for making standards and definitions for the collection and compilation of agricultural data. The purpose of using standard

concepts and definitions is not only to provide quality data but also to ensure that the right items are enumerated and measured accurately to reflect the agricultural situation.

Standard concepts and definitions used in the survey help to maintain consistent enumeration and measurement of variables of interest. To achieve this, CSA communicates concepts and definitions to the field staff through training and instruction manuals. The concepts and definitions used in the survey included the following.

Enumeration Area (E.A): an enumeration area in the rural parts of the country is a locality that is, in most of the cases less than, and only in some cases equal to a farmers' association in geographical area and usually consists of 150-200 households.

Household: a household may be either:

- a) a one person household, that is a person who makes provisions for his own living without combining with any other person to form part of a multi- person household or
- b) a multi-person household, that is, a group of two or more persons who live together and make common provisions for food and other essentials of living. The persons in the group may pool their incomes and have a common budget to a greater or lesser extent. They may be related or unrelated persons or a combination of both. These persons are taken as members of the household.

Agriculture: - The growing of crops and/or raising of animals for own consumption and /or sale.

Agricultural Household: - a household is considered an agricultural household when at least one member of the household is engaged in growing crops and/or raising livestock in private or in combination with others.

Holding: - a holding is all the land and /or livestock kept, which is used wholly or partly for agricultural production and is operated as one legal entity by one person alone, or with others with out regard to management, organization, size or location.

Holder: - a holder is a person who exercises management control over the operation of the agricultural holding and makes the major decision regarding the utilization of the available resources. He/she has primary technical and economic responsibility for the holding. He/she may operate the holding directly as an owner or a manager. Under conditions of traditional agricultural holding the holder may be regarded as the person, who with or with out the help of others, operates land and/or raises livestock in his/ her own right, i.e. the person who decides on which, where, when, and how to grow crops or raise livestock or both and has the right to determine the utilization of the products.

Parcel: - a parcel of holding is any piece of land entirely surrounded by land and/or water and/or road and/or forest etc., which is not part of the holding. It may consist of one or more cadastral units, plots or fields adjacent to each other.

Field: - a field is defined as any plot of land which is a parcel or part of a parcel under the same or mixed crops or any other form of land use (private holding).

Crop: includes cereals, pulses, oilseeds, vegetables, root crops, fruits, coffee, Enset, Chat, hops, sugarcane, cotton, tobacco, etc produced for food, making drinks, stimulation and making fabrics or clothing.

Crop production: - the process of growing and harvesting of the above crops for own consumption and/or sale.

Temporary/Annual Crops: - Annual/temporary crops are crops, which are grown in less than a year's time, sometimes only a few months with an objective to sow or replant again for additional production following the current harvest.

Continuously grown crops planted in rotation are also considered as temporary crops since each is harvested and destroyed by ploughing in preparation for each successive crop.

Permanent (Perennial) Crops: - Crops, which are grown and occupy land for a long period of time, not requiring replanting for several years after each harvest, are considered as permanent crops. All fruit trees (i.e. oranges, mandarin, bananas, etc) and trees for beverages (i.e. coffee, tea, hops (Gesho), etc) are considered permanent crops but meadows and pastures are excluded.

Meher (Main) Season Crop: - any temporary crop harvested between the months of Meskerm (September) and Yekatit (February) is considered as meher season crop.

Belg Season Crop: - any temporary crop harvested between the months of Megabit (March) and Pagume (August) is considered to be Belg Season Crop.

Crop Utilization:- The amount of agricultural produce used for own consumption, sale, seed, wages in kind, animal feed and other purposes.

PART III

SUMMARY OF SURVEY RESULTS

3.1 CROP UTILIZATION

Summary Table 1 conveys the information to shed some light on how holders utilize their crop produces. Information was sought for each crop type produced during the survey year. The resulting data may help users to have some idea about crop usages by agricultural holders. In order to detect the differences in utilization of the various crops, it is better to look into the data by group of crops as categorized in the summary table for simplicity and analogy.

Needless to say, as Summary Table 1 points out, most of the cereal crops produced were used for household consumption. In Ethiopia nearly 66 per cent of the cereals produced were used for household consumption. Nearly 16 per cent and 14 per cent were used for sale and seed, respectively. The remaining 4 per cent of the cereals produced was used for other purposes like wages, animal feed, etc. When the utilization is considered by type of crops, it is easy to realize that between 53 per cent and 75 per cent of the crops in the cereals group were used for own consumption and between 8 per cent and 27 per cent of these crops were used for sale. Moreover, between 9 per cent and 23 per cent of the same crops in the same group were used for seed.

As shown in Summary Table 1, about 62 per cent of pulses were used for household consumption, 15 per cent for seed and about 21 per cent for sale. The remaining 3 per cent of pulses were used for wages, animal feed and others. Considering utilization by crop type within the pulses group, between 39 per cent and 73 per cent of the crops were utilized for household consumption and 13 per cent – 45 per cent of the same crops in the same group were sold in 2009/10 (2002 E.C.). Moreover, between 12 per cent and 19 per cent of these crops in the pulses

group were also used for seed in the same year. The distribution of the utilization of pulses by region is shown in the statistical tables and it is more or less the same as the country level, except in Harari.

Crop and livestock product utilization data for the year 2008/9/09 (2001 E.C) was collected from sedentary rural peasant households by interviewing the selected agricultural holders

The pattern of oilseeds utilization is distinctly different from that of cereals and pulses as portrayed in Summary Table 1. The data shows that 32 per cent, 54 per cent and 12 per cent were used for household consumption, sale, and seed, respectively. Taking utilization by crop type into account, between 17 per cent and 66 per cent of each crop type in the oilseeds category were used for household consumption, between 23 percent and 71 per cent for sale and 8-18 per cent for seed. It may reasonably be summed up that more of the oilseeds produced are used for sale or as cash crops. Most of the regions show the same picture as the country and few regions consumed more of the oilseeds as indicated in the statistical tables.

The percentage of vegetables consumed at home at country level is even more than that of cereals and pulses. The data reveals that about 80 per cent, 17 per cent and nearly 1 per cent of the vegetables produced were used for household consumption, sale, and seed, respectively. The remaining about 2 per cent of the vegetables were used for wages, animal feed and others. The per cent used by crop type within the vegetables group were 61 per cent – 85 per cent for household consumption, 12 per cent – 36 per cent for sale and 1 –2 per cent for seed. For details, refer to Summary Table 1. The regional pattern of vegetable utilization is

found out to be about the same as the country level in most of the regions demonstrated in the statistical tables, except in Somali, Harari and Dire Dawa.

The utilization of root crops is not much different from that of cereals as indicated in the Summary Table 1. More than 71 per cent of the root crops were used for household consumption, about 16 per cent for sale and 10 per cent for seed. The ranges of per cent utilized by crop type within the root crops category fall between 51 per cent – 84 per cent for consumption, 6 per cent – 39 per cent for sale and 1 - 17 per cent for seed. The statistical table shows that root crop utilization in most of the regions is not different from that of the country level.

The survey data reveals that more than half of the permanent crops produced in the country were used for household consumption and the remaining for sale and other purposes. Summary Table 1 reveals that about 56 per cent of the permanent crops were used for consumption at home and about 39 per cent for sale. The utilization by crop type within the permanent crop group ranges between 34 per cent and 85 per cent for household consumption and between 8 per cent and 60 per cent for sale. Permanent crops are also used as cash crops like oilseeds. In general, it is rational to conclude by looking at Summary Table 1 that the peasant farmers consume most of what they produce leaving little to sell. (For utilization of grain crops by purpose see Figure 1).

**Summary Table 1 - CROP PRODUCTION AND PERCENT OF UTILIZATION
ALL HOLDINGS**

Types Crop	Total Production (Quintals)	Percent Utilized for					
		Household Consumption	Sale	Seed	Wages in Kind	Animal Feed	Others
Grain Crops	180,758,896.44	61.83	14.03	20.79	0.95	0.45	1.95
Cereals	155,342,279.88	65.87	13.84	16.37	1.08	0.57	2.27
Pulses	18,980,472.57	61.84	15.28	20.59	0.63	0.27	1.38
Oilseeds	6,436,143.98	32.17	12.17	53.65	0.88	0.06	1.08
Vegetables	5,573,568.40	79.7	0.95	17.42	0.28	0.06	1.59
Root Crops	18,063,778.02	71.51	10.38	16.45	0.2	0.47	1
Permanent crops	22,955,913.41	56.35	0.81	39.15	0.56	0.61	2.52

TABLE 1- CROP PRODUCTION AND PERCENT OF UTILIZATION
ALL HOLDINGS

Ethiopia		Percent Utilized For					
Type of Crop	Total Production (Quintal)	Household Consumption	Seed	Sale	Wages In kind	Animal Feed	Others
Grain Crops	180,758,896.44	61.83	14.03	20.79	0.95	0.45	1.95
Cereals	155,342,279.88	65.87	13.84	16.37	1.08	0.57	2.27
Teff	31,793,742.81	53.4	15.49	27.39	1.26	0.14	2.32
Barley	17,504,436.37	62.93	19.97	13.42	0.6	0.61	2.47
Wheat	30,756,435.71	58.53	18.6	19.48	0.82	0.15	2.41
Maize	38,971,630.66	74.99	9.3	11.58	1.04	0.97	2.12
Sorghum	29,712,655.24	72.86	10.69	12.1	1.2	0.84	2.3
Finger millet	5,241,910.54	70.19	11.11	14.21	1.94	0.4	2.14
Oats "Aja"	330,191.19	67.62	22.73	7.84	0.62	0.28	0.9
Rice	1,031,277.37	59.04	12.26	24.59	2.64	0.14	1.33
Pulses	18,980,472.57	61.84	15.28	20.59	0.63	0.27	1.38
Horse beans	6,108,452.94	64.17	15.56	17.79	0.66	0.06	1.75
Field peas	2,358,721.47	59.37	17.83	20.52	0.73	0.03	1.52
Haricot beans	3,628,903.15	73.39	11.56	13.29	0.64	0.22	0.91
Chick – peas	2,846,397.78	58.87	16.3	23.31	0.5	0.12	0.91
Lentils	1,237,771.88	39.44	19.49	38.78	0.36	0.08	1.85
Vetch	2,040,196.10	50.4	15.76	28.93	0.65	2.63	1.63
Soya beans	72,049.59	51.34	16.65	28.96	0.65	1.08	1.32
Fenugreek	271,220.46	51.09	15.19	32.88	0.25	0.16	0.42
Gibto	416,759.21	38.99	13.7	44.61	1.62	0.22	0.86
Oilseeds	6,436,143.98	32.17	12.17	53.65	0.88	0.06	1.08
Neug	1,578,466.66	24.66	12.2	61.09	1.08	0.02	0.96
Linseed	1,506,285.24	50.81	15.36	32.27	0.29	0.04	1.22
Groundnuts	464,248.46	28.91	17.67	50.53	1.13	0.27	1.48
Safflower	55,523.82	66.07	10.5	23.03	0.32	-	0.07
Sesame	2,605,343.05	17.49	9.06	71.14	1.28	0.05	0.98
Rapeseed	226,276.75	43.32	7.51	47.6	0.46	0.02	1.09
Vegetables	5,573,568.40	79.7	0.95	17.42	0.28	0.06	1.59
Lettuce	9,148.75	69.78	2.05	26.58	-	-	1.58
Head cabbage	203,881.17	76.38	0.43	21.99	-	0.26	0.93
Ethiopian cabbage	2,741,974.62	85.14	0.69	11.85	0.1	0.08	2.13
Tomatoes	404,260.65	61.24	1.01	35.78	0.17	-	1.81
Green peppers	614,636.74	82.52	0.59	15.1	0.09	0.01	1.69
Red peppers	1,593,274.67	72.61	1.6	24.24	0.74	0.01	0.8
Swiss chard	6,391.81	82.28	0.94	16.07	-	-	0.7
Root Crops	18,063,778.02	71.51	10.38	16.45	0.2	0.47	1
Beetroot	100,784.66	77.23	0.39	21.34	-	0.26	0.77
Carrot	182,293.03	70.66	1.1	27.15	-	0.32	0.77
Onion	1,693,168.08	51.43	7.78	39.46	0.15	-	1.19
Potatoes	5,723,325.39	66.39	17.12	15.26	0.23	0.09	0.91
Garlic	1,796,577.70	62.11	16.01	21.32	0.06	-	0.5
Taro / 'Godere'	4,060,000.91	80.04	12.39	5.92	0.26	0.14	1.24
Sweet potatoes	4,507,628.25	83.91	0.93	11.66	0.36	1.75	1.39
Permanent crops	22,955,913.41	56.35	0.81	39.15	0.56	0.61	2.52
Avocados	376,509.11	58.37	0.53	38.35	0.31	0.36	2.09
Bananas	2,085,962.10	51.49	0.55	45.52	0.18	0.27	2
Guavas	29,285.45	68.34	0.36	23.66	0.11	0.07	7.46
Lemons	62,131.03	34.49	0.89	59.6	0.18	-	4.84
Mangoes	656,198.86	62.6	0.41	33.31	0.05	0.02	3.61
Oranges	438,275.83	58.93	0.54	35.73	0.2	0.06	4.55
Papayas	436,576.08	77.54	0.18	19.41	0.18	0.05	2.64
Pineapples	4,176.11	63.57	-	34.95	-	-	1.48
Chat	1,162,796.75	33.76	0.81	60.48	0.35	0.03	4.58
Coffee	2,654,693.36	42.68	0.68	54.15	1.18	0.01	1.3
Hops (Gesho)	309,384.01	53.59	0.96	44.03	0.12	0.01	1.28
Enset	8,015,531.21	85.8	1.47	8.2	1.03	1.26	2.24
Sugar cane	6,724,393.51	50.77	1.07	39.68	0.3	5.53	2.66

TABLE 1.1: CROP PRODUCTION AND PERCENT OF UTILIZATION
ALL HOLDINGS

Type of Crop	Total Production (Quintal)	Percent Utilized For					
		Household Consumption	Seed	Sale	Wages In kind	Animal Feed	Others
Grain Crops	11,486,773.07	62.87	12.72	21.19	0.62	0.5	2.12
Cereals	9,625,716.14	69	13.28	13.92	0.67	0.59	2.54
Teff	2,039,993.98	62.47	14.12	19.91	0.61	0.25	2.65
Barley	1,440,496.11	68.03	17.24	10.2	0.85	0.37	3.31
Wheat	1,771,643.59	62.93	18.04	13.82	1.12	0.4	3.7
Maize	822,298.13	79.21	9.28	8.11	0.44	1.17	1.79
Sorghum	2,808,587.00	71.88	10.94	13.85	0.65	0.92	1.77
Finger millet	741,605.96	67.64	10.77	18.75	0.43	0.22	2.19
Oats "Aja"	1,091.38	-	-	-	-	-	-
Rice	-	16.17	1.67	82.17	-	-	-
Pulses	794,859.66	61.3	12.74	24.23	0.35	0.35	1.03
Horse beans	249,056.41	64.5	12.59	21.45	0.32	0.11	1.03
Field peas	108,252.63	62.24	13.05	23.74	0.26	-	0.72
Haricot beans	46,854.86	66.69	12.22	19.09	0.77	0.62	0.62
Chick – peas	177,803.44	62.78	12.15	22.77	0.3	0.72	1.29
Lentils	95,617.05	49.59	11.92	37.05	0.3	-	1.13
Vetch	113,402.84	60.68	14.27	21.49	0.63	1.28	1.65
Soya beans	-	77.17	4.33	18.5	-	-	-
Fenugreek	3,872.43	49.07	16.16	33	-	1.78	-
Gibto	-	-	-	-	-	-	-
Oilseeds	1,066,197.27	24.28	8.9	65.13	0.64	0.11	0.94
Neug	63,790.04	35.56	6.81	56.66	0.21	-	0.75
Linseed	116,743.06	44.3	11.66	42.52	0.37	0.06	1.1
Groundnuts	10,416.33	27.86	32.14	39.29	-	-	0.71
Safflower	501.5	65.67	6.67	27.67	-	-	-
Sesame	874,746.34	8.52	7.77	81.63	0.97	0.17	0.94
Rapeseed	-	-	-	-	-	-	-
Vegetables	158,503.55	76.63	1.03	20.74	0.14	0.07	1.39
Lettuce	337.44	75.33	12.17	12.5	-	-	-
Head cabbage	626.67	27.5	-	71.5	-	-	1
Ethiopian cabbage	-	95	5	-	-	-	-
Tomatoes	48,809.98	38.93	0.07	59.87	0.07	-	1.07
Green peppers	75,264.63	70.58	0.54	25.71	0.18	-	3
Red peppers	32,326.13	84.93	0.75	13.12	0.15	0.11	0.93
Swiss chard	1,138.69	60.56	8.33	31.11	-	-	-
Root Crops	206,952.97	64.5	8.05	26.28	0.14	-	1.02
Beetroot	-	50	-	50	-	-	-
Carrot	1,777.99	-	-	-	-	-	-
Onion	47,728.87	52.37	4.74	37.76	0.74	-	4.39
Potatoes	77,987.07	66.9	3.2	29.9	-	-	-
Garlic	79,443.00	67.34	11.46	20.84	-	-	0.36
Taro / 'Godere'	-	-	-	-	-	-	-
Sweet potatoes	16.04	100	-	-	-	-	-
Permanent crops	63,452.35	51.21	1.17	46.15	0.54	0.4	0.52
Avocados	-	-	-	-	-	-	-
Bananas	845.58	30.83	-	59.17	4.17	3.33	2.5
Guavas	97.18	54.71	0.06	39.94	2.65	1.76	0.88
Lemons	5,786.77	37.81	-	60.94	-	-	1.25
Mangoes	-	27.5	-	72.5	-	-	-
Oranges	591.51	37.14	-	54.29	-	2.86	5.71
Papayas	19,641.55	43.96	1.52	51.48	1.3	1.52	0.22
Pineapples	-	-	-	-	-	-	-
Chat	-	14.58	-	84.86	0.56	-	-
Coffee	-	50.38	0.38	48.08	1.15	-	-
Hops (Gesho)	36,489.76	62.71	1.77	35.02	0.12	0.06	0.33
Sugar cane	-	-	-	-	-	-	-

TABLE 1.2: CROP PRODUCTION AND PERCENT OF UTILIZATION
ALL HOLDINGS

Type of Crop	Total Production (Quintal)	Household Consumption	Percent Utilized		For		
			Seed	Sale	Wages In kind	Animal Feed	Others
Grain Crops	143,694.34	61.53	9.54	20.45	3.17	1.12	4.18
Cereals	142,051.77	61.26	9.14	20.59	3.4	1.1	4.51
Teff	5,252.83	65.3	18.64	9.55	-	-	6.52
Barley	-	76.67	1.67	10	5	-	6.67
Wheat	-	-	-	-	-	-	-
Maize	128,964.04	59.67	6.94	23.51	3.99	1.24	4.65
Sorghum	7,834.90	72.28	23	2.59	0.69	0.93	0.52
Finger millet	-	-	-	-	-	-	-
Oats "Aja"	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-
Pulses	959.88	64.55	14.55	16.36	0.91	3.64	-
Horse beans	-	-	-	-	-	-	-
Field peas	-	10	-	90	-	-	-
Haricot beans	892.9	70	21.67	-	1.67	6.67	-
Chick – peas	66.98	90	10	-	-	-	-
Lentils	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-
Oilseeds	682.69	65.26	14.74	20	-	-	-
Neug	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-
Safflower	120.23	80	20	-	-	-	-
Sesame	562.46	61.56	14.69	23.75	-	-	-
Rapeseed	-	95	5	-	-	-	-
Vegetables	81.39	46.15	7.88	37.88	2.88	-	5.19
Lettuce	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-
Ethiopian cabbage	10.88	-	-	-	-	-	-
Tomatoes	-	43.13	0.63	36.88	7.5	-	11.88
Green peppers	-	54.29	16.43	26.43	-	-	2.86
Red peppers	70.51	43.18	7.73	45.91	1.36	-	1.82
Swiss chard	-	-	-	-	-	-	-
Root Crops	13,567.55	21.92	14.23	53.08	6.54	-	4.23
Beetroot	-	-	-	-	-	-	-
Carrot	-	25	75	-	-	-	-
Onion	13,567.55	21.67	9.17	57.5	7.08	-	4.58
Potatoes	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-
Taro / 'Godere'	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-
Permanent crops	4,147.64	51.15	3.08	43.85	1.15	-	0.77
Avocados	-	-	-	-	-	-	-
Bananas	4,081.72	28.85	6.15	65	-	-	-
Guavas	-	-	-	-	-	-	-
Lemons	1.49	51.67	-	31.67	10	-	6.67
Mangoes	-	-	-	-	-	-	-
Oranges	-	10	-	90	-	-	-
Papayas	64.43	-	-	-	-	-	-
Pineapples	-	-	-	-	-	-	-
Chat	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-
Hops (Gesho)	-	-	-	-	-	-	-
Sugar cane	-	87.78	-	12.22	-	-	-

TABLE 1.3: CROP PRODUCTION AND PERCENT OF UTILIZATION
ALL HOLDINGS

Amhara		Percent Utilized For					
Type of Crop	Total Production (Quintal)	Household Consumption	Seed	Sale	Wages In kind	Animal Feed	Others
Grain Crops	57,105,217.80	61.64	14.58	20.34	0.99	0.3	2.14
Cereals	46,301,971.90	66.93	14.03	15.16	1.12	0.27	2.47
Teff	12,860,563.42	57.89	12.95	25	1.35	0.04	2.77
Barley	5,067,683.72	66.88	20.44	9.1	0.53	0.24	2.8
Wheat	8,960,927.31	63.76	19.13	13.4	0.88	0.14	2.69
Maize	8,010,693.99	77.82	7.8	11.03	1.07	0.74	1.54
Sorghum	7,922,460.70	72.74	10.32	12.73	1.07	0.33	2.82
Finger millet	2,495,092.51	67.7	10.87	15.93	2.93	0.11	2.46
Oats "Aja"	123,639.49	65.94	26.55	6.2	0.71	-	0.6
Rice	860,910.76	60.15	13.94	21.51	1.3	0.19	2.91
Pulses	8,541,004.37	56.44	17.62	22.96	0.79	0.48	1.71
Horse beans	2,602,238.28	64.65	16.93	15.44	0.97	0.04	1.97
Field peas	1,060,383.78	60.78	19.57	16.91	0.97	0.02	1.75
Haricot beans	852,206.53	61.43	12.82	22.86	0.56	0.92	1.41
Chick – peas	1,456,408.67	58.81	18.11	21.39	0.6	0.01	1.08
Lentils	620,625.91	31.63	23.27	42.82	0.08	-	2.2
Vetch	1,288,389.32	52.43	15.62	25.49	0.79	3.58	2.09
Soya beans	41,077.00	17.21	7.47	60.84	5.26	9.21	-
Fenugreek	204,363.94	41.43	16.3	41.53	0.29	-	0.44
Gibto	415,310.94	37.59	13.65	45.89	1.74	0.24	0.89
Oilseeds	2,262,241.53	42.46	9.77	45.77	0.77	0.01	1.23
Neug	511,090.96	32.8	10.22	54.75	0.84	0.01	1.37
Linseed	184,696.94	64.44	14.38	19.29	0.2	0.02	1.68
Groundnuts	38,856.40	19.32	9.32	67.16	3.86	-	0.34
Safflower	43,547.65	64.68	11.27	23.48	0.54	-	0.04
Sesame	1,296,604.52	28.69	9.15	59.55	1.11	0.02	1.48
Rapeseed	187,445.07	40.17	4.66	53.68	0.74	0.01	0.74
Vegetables	872,094.59	82.02	1.49	15.24	0.41	-	0.84
Lettuce	-	-	-	-	-	-	-
Head cabbage	30,321.59	69.44	0.19	29.74	-	-	0.63
Ethiopian cabbage	143,501.90	92.28	1.54	4.46	-	-	1.72
Tomatoes	31,730.88	67.11	0.56	31.17	-	-	1.17
Green peppers	185,924.68	79.54	1.04	18.98	-	-	0.45
Red peppers	480,032.75	81.48	1.78	15.47	0.67	-	0.6
Swiss chard	582.79	86.89	-	11.35	-	-	1.76
Root Crops	3,519,150.20	65.91	13.74	19.57	0.13	0.01	0.63
Beetroot	13,444.20	71.4	-	28.2	-	0.2	0.2
Carrot	6,874.43	63.97	0.9	34.36	-	-	0.77
Onion	404,411.82	54.45	8.25	35.99	0.07	-	1.24
Potatoes	2,154,050.07	71.99	11.24	15.15	0.3	0.02	1.3
Garlic	930,969.81	64.24	16.73	18.69	0.07	0.01	0.26
Taro / 'Godere'	-	-	-	-	-	-	-
Sweet potatoes	9,399.86	84.72	6.28	9	-	-	-
Permanent crops	982,127.79	55.91	1	40.97	0.1	-	2.01
Avocados	402.13	31.89	1	66.56	-	-	0.56
Bananas	13,539.01	34.21	1.15	64.19	-	-	0.45
Guavas	2,920.97	65.63	1.92	25.04	-	-	7.4
Lemons	33,698.49	35.66	2.46	58.56	-	-	3.32
Mangoes	15,421.86	50.25	-	46.54	-	-	3.21
Oranges	129,651.15	36.83	2.87	54.65	0.13	-	5.52
Papayas	43,924.36	65.72	0.13	31.21	-	-	2.93
Pineapples	-	-	-	-	-	-	-
Chat	45,951.48	14.34	2.26	80.88	-	-	2.52
Coffee	19,898.17	71.31	0.23	27.31	0.29	-	0.86
Hops (Gesho)	110,276.58	65.89	0.67	31.57	0.11	-	1.75
Enset	-	-	-	-	-	-	-
Sugar cane	566,443.59	38.94	2.06	58.23	-	-	0.77

TABLE 1.4: CROP PRODUCTION AND PERCENT OF UTILIZATION
ALL HOLDINGS

Type of Crop	Total Production (Quintal)	Household Consumption	Percent Utilized For				
			Seed	Sale	Wages In kind	Animal Feed	Others
Grain Crops	90,712,995.53	61.63	14.93	20.3	0.89	0.5	1.75
Cereals	80,538,211.02	65.61	14.91	15.7	1.03	0.67	2.09
Teff	14,368,405.08	55.13	17.28	24.33	1.28	0.24	1.74
Barley	9,685,632.14	61.52	21.11	13.94	0.52	1.2	1.71
Wheat	16,782,415.27	56.59	19.47	21.23	0.84	0.14	1.73
Maize	23,255,330.29	74.06	10.11	11.35	0.99	0.97	2.51
Sorghum	14,656,767.28	74.29	10.71	10.46	1.15	0.68	2.7
Finger millet	1,471,754.13	73.31	11.81	10.58	1.53	1.02	1.75
Oats "Aja"	193,557.40	70.59	21.02	6.54	0.3	0.52	1.03
Rice	124,349.43	64.95	13.32	14.95	6.15	0.15	0.46
Pulses	7,474,028.36	62.25	15.22	20.73	0.49	0.2	1.11
Horse beans	2,649,528.31	63.25	16.28	18.36	0.5	0.08	1.53
Field peas	892,812.03	59.19	18.86	20.01	0.44	-	1.5
Haricot beans	1,559,665.48	75.02	10.79	12.78	0.53	0.15	0.73
Chick – peas	1,141,574.58	53.27	16.36	29.03	0.52	0.06	0.76
Lentils	514,696.11	45.14	15.6	37.25	1.01	0.3	0.7
Vetch	636,170.52	43.25	16.75	37.19	0.21	1.66	0.94
Soya beans	18,326.84	62.69	23.84	12.9	-	-	0.56
Fenugreek	61,254.49	59.33	14.13	25.72	0.3	0.1	0.42
Gibto	-	-	-	-	-	-	-
Oilseeds	2,700,756.14	29.41	14.3	54.53	0.85	0.03	0.87
Neug	950,343.18	19.76	14.17	64.1	1.34	0.03	0.59
Linseed	1,183,155.03	38.34	16.57	43.82	0.46	0.07	0.74
Groundnuts	240,285.24	30	19.14	49.05	0.1	-	1.7
Safflower	9,381.41	60.47	10.51	28.83	-	-	0.19
Sesame	279,718.70	16.91	10.4	70.21	1.49	0.03	0.96
Rapeseed	37,872.59	49.87	11.7	36.94	0.04	-	1.46
Vegetables	1,781,167.66	80.25	0.81	17.17	0.27	0.02	1.48
Lettuce	8,811.31	63.75	1.25	35	-	-	-
Head cabbage	133,542.81	78.83	0.3	19.4	-	0.14	1.34
Ethiopian cabbage	724,776.94	85.37	0.65	12.02	0.04	0.03	1.9
Tomatoes	124,969.37	63.43	0.23	34.72	-	-	1.62
Green peppers	212,258.20	87.16	0.26	11.19	0.01	-	1.38
Red peppers	575,353.06	69.59	1.58	26.89	0.92	-	1.03
Swiss chard	1,455.96	72.2	0.6	26.9	-	-	0.3
Root Crops	7,250,190.49	71.65	8.79	17.69	0.2	0.5	1.17
Beetroot	69,390.97	77.7	0.54	20.67	-	0.11	0.99
Carrot	161,571.37	61.47	1.49	35.03	-	0.69	1.31
Onion	924,840.94	55.22	7.65	36.14	-	-	1
Potatoes	2,495,607.45	65.57	14.42	18.41	0.27	0.26	1.07
Garlic	752,000.62	61.49	15.99	21.8	0.02	-	0.72
Taro / 'Godere'	524,731.34	86.74	8.9	3.01	0.02	-	1.33
Sweet potatoes	2,322,047.80	83.51	0.79	11.81	0.56	1.61	1.73
Permanent crops	9,312,639.35	54.34	0.79	41.08	0.6	0.24	2.94
Avocados	80,173.66	64.44	0.53	30.85	1.38	-	2.8
Bananas	562,827.16	54.34	0.7	42.01	0.18	0.04	2.72
Guavas	18,423.52	76.07	0.41	13.24	-	-	10.29
Lemons	2,511.38	44.94	1.15	44.19	0.19	-	9.52
Mangoes	250,313.27	63.07	0.43	33.07	0.02	0.02	3.38
Oranges	89,838.63	65.5	0.27	29.89	0.16	-	4.18
Papayas	128,975.11	76.64	-	19.7	0.23	-	3.43
Pineapples	127.2	54.5	-	43	-	-	2.5
Chat	792,182.76	38.91	0.67	55.02	0.34	0.05	5.02
Coffee	1,929,795.07	39.81	0.85	56.5	1.09	-	1.75
Hops (Gesho)	130,658.83	48.87	1.14	48.94	0.08	-	0.96
Enset	2,021,710.77	87.58	1.25	7.61	1.35	0.38	1.83
Sugar cane	3,305,102.00	49.5	0.77	42.66	0.2	3.5	3.36

TABLE 1.5: CROP PRODUCTION AND PERCENT OF UTILIZATION
ALL HOLDINGS

Somali Type of Crop	Total Production (Quintal)	Household Consumption	Percent Utilized		For		
			Seed	Sale	Wages In kind	Animal Feed	Others
Grain Crops	1,172,662.20	67.51	9.35	16.39	0.53	3.93	2.29
Cereals	1,105,199.83	69.22	9.33	14.4	0.48	4.19	2.38
Teff	-	-	-	-	-	-	100
Barley	18,460.49	63.47	9.17	26.94	-	-	0.42
Wheat	72,244.97	65.98	7.25	24.8	0.1	0.1	1.76
Maize	440,831.70	72.81	8.72	11.54	0.68	3.61	2.64
Sorghum	573,535.49	67.23	10.32	14.04	0.42	5.89	2.11
Finger millet	-	-	-	-	-	-	-
Oats "Aja"	127.18	50	5	45	-	-	-
Rice	-	85	-	-	-	-	15
Pulses	8,590.88	73.75	6.67	14.58	-	2.08	2.92
Horse beans	-	-	-	-	-	-	-
Field peas	-	-	-	-	-	-	-
Haricot beans	6,898.45	75.28	8.06	10	-	2.78	3.89
Chick – peas	1,692.43	53.75	3.75	42.5	-	-	-
Lentils	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-
Oilseeds	58,871.49	32.44	11.41	53.85	1.67	0.26	0.38
Neug	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-
Groundnuts	58,870.10	12.76	14.83	69.31	2.24	0.34	0.52
Safflower	-	-	-	-	-	-	-
Sesame	1.39	86.88	1.88	11.25	-	-	-
Rapeseed	-	-	-	-	-	-	-
Vegetables	585.35	22.95	0.68	73.86	-	-	2.5
Lettuce	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-
Tomatoes	369.67	12.67	-	87.33	-	-	-
Green peppers	215.68	63.33	-	20	-	-	16.67
Red peppers	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-
Root Crops	84,987.06	29.84	0.16	63.23	1.29	3.23	2.26
Beetroot	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-
Onion	83,141.31	13.67	-	84.33	-	-	2
Potatoes	609.09	80	-	20	-	-	-
Garlic	595.46	12	1	87	-	-	-
Taro / 'Godere'	-	-	-	-	-	-	-
Sweet potatoes	641.19	58	-	24	4	10	4
Permanent crops	95,178.99	38.52	1.13	54.06	1.67	0.14	4.48
Avocados	-	-	-	-	-	-	-
Bananas	3,745.70	16.5	-	76.5	-	1	6
Guavas	34.23	77.5	-	22.5	-	-	-
Lemons	1,927.22	6.24	-	93.76	-	-	-
Mangoes	9,648.89	17.14	5	67.5	0.71	-	9.64
Oranges	38,193.00	15.38	6.15	70.38	0.77	-	7.31
Papayas	163.78	10	-	90	-	-	-
Pineapples	-	-	-	-	-	-	-
Chat	41,190.00	55.87	0.13	37.04	2.87	-	4.09
Coffee	86.51	24	-	69	-	-	7
Hops (Gesho)	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-
Sugar cane	189.65	90	-	-	-	10	-

TABLE 1.6: CROP PRODUCTION AND PERCENT OF UTILIZATION
ALL HOLDINGS

Benishangul-Gumuz

Type of Crop	Total Production (Quintal)	Household Consumption	Percent Utilized		For		
			Seed	Sale	Wages In kind	Animal Feed	Others
Grain Crops	3,252,672.58	57.66	10.68	28.44	1.48	0.33	1.42
Cereals	2,845,687.66	70.02	10.63	15.77	1.55	0.49	1.54
Teff	182,564.59	52.15	14.95	28.14	3.05	0.07	1.64
Barley	9,392.63	57.31	21.88	19.59	0.39	0.5	0.33
Wheat	74,381.07	57.43	19.8	21.42	0.92	0.25	0.18
Maize	801,218.72	75.69	8.85	12.68	0.95	0.77	1.06
Sorghum	1,327,809.84	70.47	9.73	16.23	1.26	0.51	1.8
Finger millet	442,684.65	69.8	11.21	13.69	2.69	0.15	2.46
Oats "Aja"	647.4	57.31	13.08	26.92	1.92	-	0.77
Rice	6,988.75	83.28	11.58	2.58	1.33	-	1.25
Pulses	109,627.10	69.12	10.97	17.43	1.02	0.14	1.33
Horse beans	8,223.09	67.16	14.44	15.98	2.26	0.08	0.08
Field peas	7,933.14	66.8	12.41	18.34	1.83	-	0.61
Haricot beans	79,976.73	77.81	8.5	11.38	0.97	0.01	1.33
Chick – peas	1,193.99	77.59	14.63	6.85	0.93	-	-
Lentils	268.14	72	7.3	10.2	-	-	10.5
Vetch	-	-	-	-	-	-	-
Soya beans	10,572.95	44.04	15.39	37.62	0.45	0.66	1.84
Fenugreek	10.8	56.4	24.4	19.2	-	-	-
Gibto	1,448.27	55.83	4.17	39.17	-	-	0.83
Oilseeds	297,357.83	21.81	10.68	64.85	1.52	-	1.14
Neug	51,070.48	18.04	12.85	66.52	1.25	0.01	1.32
Linseed	2,628.70	61.88	13.47	24.21	0.12	-	0.32
Groundnuts	99,726.66	31.73	12.54	51.99	2.03	-	1.7
Safflower	435.22	82.25	5.88	11.88	-	-	-
Sesame	143,337.86	11.25	8.07	78.41	1.62	-	0.65
Rapeseed	158.9	25	2.69	64.62	-	-	7.69
Vegetables	45,301.81	82.16	0.89	16.19	0.19	-	0.57
Lettuce	-	-	-	-	-	-	-
Head cabbage	1,394.64	67.92	-	32.08	-	-	-
Ethiopian cabbage	3,115.09	86.8	0.4	10.8	-	-	2
Tomatoes	1,579.88	80.2	-	19.8	-	-	-
Green peppers	6,905.78	84.63	1.53	13.39	-	-	0.45
Red peppers	32,306.42	81.78	0.84	16.53	0.29	-	0.56
Swiss chard	-	-	-	-	-	-	-
Root Crops	73,649.72	77.68	3.2	18.2	0.13	0.01	0.77
Beetroot	508.83	72.5	0.42	27.08	-	-	-
Carrot	172.04	80	-	20	-	-	-
Onion	5,792.06	55.49	4.42	38.47	0.17	-	1.44
Potatoes	33,959.88	75.78	12.82	11.4	-	-	-
Garlic	5,822.33	65	9.39	25.2	0.25	-	0.16
Taro / 'Godere'	1,338.75	80.85	0.85	17.07	0.24	0.12	0.85
Sweet potatoes	26,055.82	85.19	0.45	13.31	0.1	0.01	0.95
Permanent crops	135,161.93	57.4	0.5	39.6	0.1	-	2.39
Avocados	26.08	62.22	-	35.56	1.11	-	1.11
Bananas	26,391.77	43.39	0.16	54.67	-	-	1.78
Guavas	22.84	69.61	-	30.09	-	-	0.3
Lemons	1,537.84	38.71	-	54.55	-	-	6.74
Mangoes	73,495.81	60.38	0.34	35.39	-	-	3.89
Oranges	2,983.61	53.3	0.13	41.39	0.26	-	4.92
Papayas	10,177.52	73.02	0.15	25.67	0.19	-	0.96
Pineapples	-	-	-	-	-	-	-
Chat	426.39	27.92	-	68.71	-	-	3.37
Coffee	2,594.02	74.65	0.54	24.16	-	-	0.65
Hops (Gesho)	1,883.69	54.63	0.48	44.61	0.05	-	0.22
Enset	-	-	-	-	-	-	-
Sugar cane	15,622.36	36.35	-	59.68	1.94	-	2.03

TABLE 1.7: CROP PRODUCTION AND PERCENT OF UTILIZATION
ALL HOLDINGS

S.N.N.P.R

Type of Crop	Total Production (Quintal)	Household Consumption	Percent Utilized For				
			Seed	Sale	Wages In kind	Animal Feed	Others
Grain Crops	16,491,768.74	60.61	14.25	21.76	0.92	0.42	2.05
Cereals	14,406,368.21	58.01	14.28	23.69	1.08	0.58	2.36
Teff	2,336,961.52	35.63	18.08	42.76	1.13	0.06	2.33
Barley	1,282,189.12	55.73	19.46	20.95	0.7	0.48	2.69
Wheat	3,089,909.82	48.94	17.29	30.44	0.6	0.05	2.69
Maize	5,390,794.21	70.85	9.81	15.05	1.01	1.01	2.28
Sorghum	2,167,101.90	69.53	10.41	15.24	1.61	1.07	2.14
Finger millet	89,980.50	76.52	9.96	8.93	3.06	0.13	1.4
Oats "Aja"	11,128.35	64.31	22.53	11	0.67	0.22	1.27
Rice	38,302.79	45.93	10.68	40.27	2.71	0.24	0.17
Pulses	2,048,351.74	66.74	13.84	17.31	0.61	0.08	1.42
Horse beans	599,406.85	64.53	13.81	19.05	0.5	0.04	2.07
Field peas	289,339.90	56.83	16.13	24.74	0.77	0.07	1.47
Haricot beans	1,079,358.13	73.1	12.73	12.54	0.66	0.12	0.84
Chick – peas	67,657.70	73.21	11.85	14.37	-	0.19	0.37
Lentils	6,564.67	53.16	23.13	19.11	0.16	-	4.44
Vetch	2,233.41	69.09	6.36	14.55	9.09	-	0.91
Soya beans	2,072.79	77.62	12.38	7.96	-	-	2.04
Fenugreek	1,718.29	57.96	12.09	29.2	-	-	0.74
Gibto	-	-	-	-	-	-	-
Oilseeds	37,048.79	47.52	20.71	29.76	0.27	0.14	1.59
Neug	2,172.00	34.17	25	40.83	-	-	-
Linseed	19,061.52	51.97	21.97	23.98	-	-	2.09
Groundnuts	3,353.98	40.9	11.45	44.38	0.69	0.86	1.72
Safflower	1,537.35	79.8	7.2	13	-	-	-
Sesame	10,123.76	25.57	30.43	41.48	2.09	-	0.43
Rapeseed	800.19	39.9	19.41	39.66	-	0.34	0.69
Vegetables	2,706,653.80	78.72	0.78	18.06	0.19	0.13	2.13
Lettuce	-	-	-	-	-	-	-
Head cabbage	37,995.46	78.74	0.87	18.99	-	0.67	0.72
Ethiopian cabbage	1,867,802.42	83.73	0.64	13.05	0.11	0.13	2.34
Tomatoes	194,476.94	74.46	1.25	23.1	-	-	1.2
Green peppers	130,977.72	78.71	0.48	17.95	0.01	0.03	2.81
Red peppers	472,186.89	37.56	2.08	58.4	1.23	0.01	0.72
Swiss chard	3,214.36	93.2	0.7	5.8	-	-	0.3
Root Crops	6,879,251.53	73.22	11.87	12.98	0.21	0.74	0.98
Beetroot	17,440.66	78.37	0.28	20.21	-	0.56	0.58
Carrot	11,897.20	85.14	-	14.73	-	-	0.14
Onion	213,685.51	48.17	8.93	42.09	-	-	0.81
Potatoes	961,111.83	61.25	26.63	11.39	0.18	0.01	0.54
Garlic	27,630.11	52.93	16.85	29.21	0.15	-	0.86
Taro / 'Godere'	3,517,799.44	77.65	14.23	6.44	0.29	0.16	1.22
Sweet potatoes	2,129,686.78	83.33	0.93	11.86	0.2	2.61	1.07
Permanent crops	12,350,240.48	58.64	0.87	36.83	0.5	1.04	2.12
Avocados	295,907.25	55.67	0.58	41.45	0.04	0.45	1.81
Bananas	1,474,531.16	50.43	0.47	46.88	0.18	0.45	1.58
Guavas	7,786.72	57.38	-	35.29	-	-	7.33
Lemons	16,667.84	37.38	-	56.56	0.25	-	5.81
Mangoes	307,319.02	66.46	0.32	29.61	0.02	0.04	3.55
Oranges	177,017.94	62.06	-	33.49	0.26	0.09	4.11
Papayas	233,629.33	85.94	0.13	10.77	0.14	0.08	2.94
Pineapples	4,048.91	40.62	-	55.54	-	-	3.85
Chat	283,046.11	24.5	0.64	71.73	0.42	0.01	2.69
Coffee	702,319.59	42.67	0.6	54.74	0.8	0.01	1.17
Hops (Gesho)	30,075.15	23.29	1.34	73.75	0.27	0.02	1.33
Enset	5,980,855.54	85.54	1.51	8.15	0.79	1.58	2.43
Sugar cane	2,837,035.91	50.38	1.46	38.2	0.21	7.24	2.5

TABLE 1.8: CROP PRODUCTION AND PERCENT OF UTILIZATION
ALL HOLDINGS

Type of Crop	Total Production (Quintal)	Household Consumption	Percent Utilized For				
			Seed	Sale	Wages In kind	Animal Feed	Others
Grain Crops	191,715.20	74.93	9.98	9.79	2.35	0.39	2.56
Cereals	191,223.33	74.34	9.94	10.02	2.53	0.45	2.73
Teff	1.38	66.67	-	33.33	-	-	-
Barley	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-
Maize	97,124.93	77.34	9.92	6.87	1.84	0.67	3.36
Sorghum	92,578.59	71.5	10.19	12.62	3.8	0.11	1.77
Finger millet	792.79	52.5	1.83	39	-	-	6.67
Oats "Aja"	-	-	-	-	-	-	-
Rice	725.64	27.62	16.54	55.85	-	-	-
Pulses	242.73	84.73	9.55	3.56	1.28	-	0.88
Horse beans	-	-	-	-	-	-	-
Field peas	-	-	-	-	-	-	-
Haricot beans	242.73	86.81	8.5	3.03	0.96	-	0.7
Chick – peas	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-
Oilseeds	249.13	60.03	12.64	23.94	0.42	-	2.97
Neug	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-
Groundnuts	164.32	51.76	17.65	25.29	0.88	-	4.41
Safflower	0.45	84.6	6.7	8.7	-	-	-
Sesame	84.37	48.33	9.78	38.33	-	-	3.56
Rapeseed	-	-	-	-	-	-	-
Vegetables	9,180.27	85.93	1.23	10.29	0.93	-	1.62
Lettuce	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-
Ethiopian cabbage	2,767.38	93.72	0.29	3.6	0.9	-	1.5
Tomatoes	2,323.92	58.97	6.72	31.72	0.17	-	2.41
Green peppers	3,090.06	86.24	0.78	9.03	2.7	-	1.24
Red peppers	998.9	74.69	1.38	21.34	-	-	2.59
Swiss chard	-	-	-	-	-	-	-
Root Crops	36,028.50	81.06	4.77	11.72	0.72	0.27	1.46
Beetroot	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-
Garlic	116.36	81.3	5.1	13.6	-	-	-
Taro / 'Godere'	16,131.38	85.7	5.41	6.48	0.76	0.33	1.32
Sweet potatoes	19,780.76	76.77	4.38	15.44	0.97	0.28	2.16
Permanent crops	12,964.89	62.76	0.3	32.24	2.07	0.76	1.87
Avocados	-	-	-	-	-	-	-
Bananas	-	-	-	-	-	-	-
Guavas	-	-	-	-	-	-	-
Lemons	-	-	-	-	-	-	-
Mangoes	-	-	-	-	-	-	-
Oranges	-	-	-	-	-	-	-
Papayas	-	-	-	-	-	-	-
Pineapples	-	-	-	-	-	-	-
Chat	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-
Hops (Gesho)	-	-	-	-	-	-	-
Enset	12,964.89	76.86	0.32	15.97	5	0.69	1.15
Sugar cane	-	-	-	-	-	-	-

TABLE 1.9: CROP PRODUCTION AND PERCENT OF UTILIZATION
ALL HOLDINGS

Type of Crop	Total Production (Quintal)	Household Consumption	Percent Utilized For				
			Seed	Sale	Wages In kind	Animal Feed	Others
Grain Crops	102,192.10	69.64	17.24	10.64	0.06	0.85	1.57
Cereals	90,930.62	83.2	14.03	0.16	0.08	0.81	1.73
Teff	-	-	-	-	-	-	-
Barley	582.15	68.57	31.43	-	-	-	-
Wheat	4,446.21	89.54	10	-	-	-	0.46
Maize	18,142.19	86.05	12.36	0.04	0.11	0.83	0.62
Sorghum	67,760.06	80.54	15.63	0.05	0.08	0.94	2.76
Finger millet	-	-	-	-	-	-	-
Oats "Aja"	-	-	-	-	-	-	-
Rice	-	-	-	5	-	-	5
Pulses	-	-	-	-	-	-	-
Horse beans	-	-	-	-	-	-	-
Field peas	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	-	-
Chick – peas	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-
Oilseeds	11,261.48	21.58	28.86	47.49	-	1.02	1.05
Neug	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-
Groundnuts	11,260.94	21.05	28.89	47.95	-	1.04	1.07
Safflower	-	-	-	-	-	-	-
Sesame	0.53	60	40	-	-	-	-
Rapeseed	-	-	-	-	-	-	-
Vegetables	-	-	-	-	-	-	-
Lettuce	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-
Tomatoes	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	-	-
Red peppers	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-
Root Crops	-	-	-	-	-	-	-
Beetroot	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	-
Potatoes	-	-	-	5	-	-	-
Garlic	-	-	-	-	-	-	-
Taro / 'Godere'	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-
Permanent crops	-	-	-	-	-	-	-
Avocados	-	-	-	-	-	-	-
Bananas	-	-	-	-	-	-	-
Guavas	-	-	-	-	-	-	-
Lemons	-	-	-	-	-	-	-
Mangoes	-	-	-	-	-	-	-
Oranges	-	-	-	-	-	-	-
Papayas	-	-	-	-	-	-	-
Pineapples	-	-	-	-	-	-	-
Chat	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-
Hops (Gesho)	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	-	-

TABLE 1.10: CROP PRODUCTION AND PERCENT OF UTILIZATION
ALL HOLDINGS

Type of Crop	Total Production (Quintal)	Household Consumption	Percent Utilized For				
			Seed	Sale	Wages In kind	Animal Feed	Others
Grain Crops	99,204.88	87.79	9.44	1.85	-	0.22	0.7
Cereals	94,919.41	89.42	9.27	0.37	-	0.25	0.68
Teff	-	-	-	-	-	-	-
Barley	-	-	-	-	-	-	-
Wheat	467.48	98.33	1.67	-	-	-	-
Maize	6,232.45	94.13	5.07	-	-	0.43	0.36
Sorghum	88,219.48	88.26	10.52	0.23	-	0.23	0.76
Finger millet	-	-	-	-	-	-	-
Oats "Aja"	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-
Pulses	2,807.86	92	6.95	-	-	-	1.05
Horse beans	-	-	-	-	-	-	-
Field peas	-	-	-	-	-	-	-
Haricot beans	2,807.33	94.49	4.43	-	-	-	1.08
Chick – peas	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-
Fenugreek	0.52	-	100	-	-	-	-
Gibto	-	-	-	-	-	-	-
Oilseeds	1,477.62	60.55	14.74	24.19	-	-	0.52
Neug	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-
Groundnuts	1,314.49	51.52	12	35.71	-	-	0.76
Safflower	-	-	-	-	-	-	-
Sesame	163.13	77.22	22.78	-	-	-	-
Rapeseed	-	-	-	-	-	-	-
Vegetables	-	-	-	-	-	-	-
Lettuce	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-
Tomatoes	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	-	-
Red peppers	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-
Root Crops	-	-	-	-	-	-	-
Beetroot	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-
Taro / 'Godere'	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-
Permanent crops	-	-	-	-	-	-	-
Avocados	-	-	-	-	-	-	-
Bananas	-	-	-	-	-	-	-
Guavas	-	-	-	-	-	-	-
Lemons	-	-	-	-	-	-	-
Mangoes	-	-	-	-	-	-	-
Oranges	-	-	-	-	-	-	-
Papayas	-	-	-	-	-	-	-
Pineapples	-	-	-	-	-	-	-
Chat	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-
Hops (Gesho)	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	-	-

Table 1.11: CROP PRODUCTION AND PERCENT OF UTILIZATION BY REGION AND CROP CATEGORY

Grain Crops

GEOGRAPHIC AREA	Total Production (Quintals)	Percent Utilized for					
		Household Consumption	Seed	Sale	Wages in Kind	Animal Feed	Others
Country Level	180,758,896.44	61.83	14.03	20.79	0.95	0.45	1.95
Tigray Region	11,486,773.07	62.87	12.72	21.19	0.62	0.5	2.12
Afar Region	143,694.34	61.53	9.54	20.45	3.17	1.12	4.18
Amhara Region	57,105,217.80	61.64	14.58	20.34	0.99	0.3	2.14
Oromia Region	90,712,995.53	61.63	14.93	20.3	0.89	0.5	1.75
Somale Region	1,172,662.20	67.51	9.35	16.39	0.53	3.93	2.29
Benshangul-Gumuz Region	3,252,672.58	57.66	10.68	28.44	1.48	0.33	1.42
S.N.N.P. Region	16,491,768.74	60.61	14.25	21.76	0.92	0.42	2.05
Gambella Region	191,715.20	74.93	9.98	9.79	2.35	0.39	2.56
Harari Region	102,192.10	69.64	17.24	10.64	0.06	0.85	1.57
Dire Dawa Adm. Council	99,204.88	87.79	9.44	1.85	-	0.22	0.7

Table 1.12: CROP PRODUCTION AND PERCENT OF UTILIZATION BY REGION AND CROP CATEGORY

Cereals

GEOGRAPHIC AREA	Total Production (Quintals)	Percent Utilized for					
		Household Consumption	Seed	Sale	Wages in Kind	Animal Feed	Others
Country Level	155,342,279.88	65.87	13.84	16.37	1.08	0.57	2.27
Tigray Region	9,625,716.14	69	13.28	13.92	0.67	0.59	2.54
Afar Region	142,051.77	61.26	9.14	20.59	3.4	1.1	4.51
Amhara Region	46,301,971.90	66.93	14.03	15.16	1.12	0.27	2.47
Oromia Region	80,538,211.02	65.61	14.91	15.7	1.03	0.67	2.09
Somale Region	1,105,199.83	69.22	9.33	14.4	0.48	4.19	2.38
Benshangul-Gumuz Region	2,845,687.66	70.02	10.63	15.77	1.55	0.49	1.54
(S.N.N.P.R) Region	14,406,368.21	58.01	14.28	23.69	1.08	0.58	2.36
Gambella Region	191,223.33	74.34	9.94	10.02	2.53	0.45	2.73
Harari Region	90,930.62	83.2	14.03	0.16	0.08	0.81	1.73
Dire Dawa Adm. Council	94,919.41	89.42	9.27	0.37	-	0.25	0.68

Table 1.13: CROP PRODUCTION AND PERCENT OF UTILIZATION BY REGION AND CROP CATEGORY

Pulses

GEOGRAPHIC AREA	Total Production (Quintals)	Percent Utilized for					
		Household Consumption	Seed	Sale	Wages in Kind	Animal Feed	Others
Country Level	18,980,472.57	61.84	15.28	20.59	0.63	0.27	1.38
Tigray Region	794,859.66	61.3	12.74	24.23	0.35	0.35	1.03
Afar Region	959.88	64.55	14.55	16.36	0.91	3.64	-
Amhara Region	8,541,004.37	56.44	17.62	22.96	0.79	0.48	1.71
Oromia Region	7,474,028.36	62.25	15.22	20.73	0.49	0.2	1.11
Somale Region	8,590.88	73.75	6.67	14.58	-	2.08	2.92
Benshangul-Gumuz Region	109,627.10	69.12	10.97	17.43	1.02	0.14	1.33
(S.N.N.P.R) Region	2,048,351.74	66.74	13.84	17.31	0.61	0.08	1.42
Gambella Region	242.73	84.73	9.55	3.56	1.28	-	0.88
Harari Region	-	-	-	-	-	-	-
Dire Dawa Adm. Council	2,807.86	92	6.95	-	-	-	1.05

Table 1.14: CROP PRODUCTION AND PERCENT OF UTILIZATION BY REGION AND CROP CATEGORY

Oilseeds

GEOGRAPHIC AREA	Total Production (Quintals)	Percent Utilized for					
		Household Consumption	Seed	Sale	Wages in Kind	Animal Feed	Others
Country Level	6,436,143.98	32.17	12.17	53.65	0.88	0.06	1.08
Tigray Region	1,066,197.27	24.28	8.9	65.13	0.64	0.11	0.94
Afar Region	682.69	65.26	14.74	20	-	-	-
Amhara Region	2,262,241.53	42.46	9.77	45.77	0.77	0.01	1.23
Oromia Region	2,700,756.14	29.41	14.3	54.53	0.85	0.03	0.87
Somale Region	58,871.49	32.44	11.41	53.85	1.67	0.26	0.38
Benshangul-Gumuz Region	297,357.83	21.81	10.68	64.85	1.52	-	1.14
S.N.N.P. Region	37,048.79	47.52	20.71	29.76	0.27	0.14	1.59
Gambella Region	249.13	60.03	12.64	23.94	0.42	-	2.97
Harari Region	11,261.48	21.58	28.86	47.49	-	1.02	1.05
Dire Dawa Adm. Council	1,477.62	60.55	14.74	24.19	-	-	0.52

Table 1.15: CROP PRODUCTION AND PERCENT OF UTILIZATION BY REGION AND CROP CATEGORY

Vegetables

GEOGRAPHIC AREA	Total Production (Quintals)	Percent Utilized for					
		Household Consumption	Seed	Sale	Wages in Kind	Animal Feed	Others
Country Level	5,573,568.40	79.7	0.95	17.42	0.28	0.06	1.59
Tigray Region	158,503.55	76.63	1.03	20.74	0.14	0.07	1.39
Afar Region	81.39	46.15	7.88	37.88	2.88	-	5.19
Amhara Region	872,094.59	82.02	1.49	15.24	0.41	-	0.84
Oromia Region	1,781,167.66	80.25	0.81	17.17	0.27	0.02	1.48
Somale Region	585.35	22.95	0.68	73.86	-	-	2.5
Benshangul-Gumuz Region	45,301.81	82.16	0.89	16.19	0.19	-	0.57
S.N.N.P. Region	2,706,653.80	78.72	0.78	18.06	0.19	0.13	2.13
Gambella Region	9,180.27	85.93	1.23	10.29	0.93	-	1.62
Harari Region	-	-	-	-	-	-	-
Dire Dawa Adm. Council	-	-	-	-	-	-	-

Table 1.16: CROP PRODUCTION AND PERCENT OF UTILIZATION BY REGION AND CROP CATEGORY

Root crops

GEOGRAPHIC AREA	Total Production (Quintals)	Percent Utilized for					
		Household Consumption	Seed	Sale	Wages in Kind	Animal Feed	Others
Country Level	18,063,778.02	71.51	10.38	16.45	0.2	0.47	1
Tigray Region	206,952.97	64.5	8.05	26.28	0.14	-	1.02
Afar Region	13,567.55	21.92	14.23	53.08	6.54	-	4.23
Amhara Region	3,519,150.20	65.91	13.74	19.57	0.13	0.01	0.63
Oromia Region	7,250,190.49	71.65	8.79	17.69	0.2	0.5	1.17
Somale Region	84,987.06	29.84	0.16	63.23	1.29	3.23	2.26
Benshangul-Gumuz Region	73,649.72	77.68	3.2	18.2	0.13	0.01	0.77
S.N.N.P. Region	6,879,251.53	73.22	11.87	12.98	0.21	0.74	0.98
Gambella Region	36,028.50	81.06	4.77	11.72	0.72	0.27	1.46
Harari Region	-	-	-	-	-	-	-
Dire Dawa Adm. Council	-	-	-	-	-	-	-

Table 1.17: CROP PRODUCTION AND PERCENT OF UTILIZATION BY REGION AND CROP CATEGORY

Permanent crops

GEOGRAPHIC AREA	Total Production (Quintals)	Percent Utilized for					
		Household Consumption	Seed	Sale	Wages in Kind	Animal Feed	Others
Country Level	22,955,913.41	56.35	0.81	39.15	0.56	0.61	2.52
Tigray Region	63,452.35	51.21	1.17	46.15	0.54	0.4	0.52
Afar Region	4,147.64	51.15	3.08	43.85	1.15	-	0.77
Amhara Region	982,127.79	55.91	1	40.97	0.1	-	2.01
Oromia Region	9,312,639.35	54.34	0.79	41.08	0.6	0.24	2.94
Somale Region	95,178.99	38.52	1.13	54.06	1.67	0.14	4.48
Benshangul-Gumuz Region	135,161.93	57.4	0.5	39.6	0.1	-	2.39
S.N.N.P. Region	12,350,240.48	58.64	0.87	36.83	0.5	1.04	2.12
Gambella Region	12,964.89	62.76	0.3	32.24	2.07	0.76	1.87
Harari Region	-	-	-	-	-	-	-
Dire Dawa Adm. Council	-	-	-	-	-	-	-

2. UTILIZATION OF LIVESTOCK PRODUCTS

Data on the utilization of animal products were also collected during the survey to assess product usage experience of holders. The products for which utilization data intended to be collected were milk, egg, honey, meat, hides and skins, wool and by-products such as butter, cheese, and bees wax. It is commonly accepted that these products are often used for household consumption and/or sold to finance the purchase of basic household commodities such as coffee, salt, cooking oil, sugar, etc. The products are sometimes used as payments and gifts to others. The survey data on the utilization of animal products in the rural areas are presented in Summary Table 2 and it reveals that of the total annual milk production, 85 percent was used for household consumption, 7 percent was sold, only 0.3 percent was used for wages in kind and the rest 8 percent was used for other purposes (could be for the production of butter, Cheese, and the likes). With respect to the utilization of butter, 61 per cent of the produce was used for household consumption although considerable portion (36 percent) was sold. Most of the total Cheese produced was used for household consumption that is about 87 per cent, and the rest about 3 percent was used for other purposes, which are indicated in the table.

Concerning utilization of egg production, about 34 per cent of the total egg production was used for household consumption while 46 per cent of the total egg production was used for sale and about 20 per cent of the egg production in the country was used for other purposes and that could be for hatching

Of the total honey production, about 37 percent was used for household consumption, about 60 percent was sold, and less than 1 percent of the honey production was used as payment (wage) in the country. On the other hand, about 32 percent of the wax produced in the country was used as household consumption while 50 per cent was used for sale.

Holder's utilization practices on hides and skins were also assessed and the results showed that these products are mainly used for sale (50 and 46 percent, respectively) and household consumption (42 percent and 54 percent, respectively). (See Summary Table 2).

Summary Table 2: Livestock Product Utilization, Country Level

Type of Livestock Product	Percent Utilized for				
	Total %	Household Consumption	Sale	Wages in Kind	Others
Milk	100	85.23	6.86	0.29	7.62
Butter	100	60.77	36.36	0.23	2.64
Cheese	100	87.13	10.07	0.17	2.63
Beef.	100	46.65	40.49	1.42	11.44
Mutton/Goat Meat	99.99	86.91	6.97	0.34	5.77
Eggs	99.99	34.1	45.65	0.23	20.01
Honey	100	37.07	60.1	0.43	2.4
Wax	100	32.27	49.7	0.24	17.79
Sheep Hair	100.01	68.18	30.97	0.24	0.62
Skin	99.99	53.94	41.99	0.67	3.39
Hide	100.01	45.59	50.29	0.1	4.03
Arera	100	90.9	4.81	0.3	3.99
Chicken Meat	100	94.98	4	-	1.02
Camel Meat	100.01	59.29	14.11	-	26.61

Table 2.1: Livestock Product percent of Utilization-Private peasant Holders, 2009/10(2002 E.C)
Tigray Region

Type of Livestock Product	Percent Utilized for				
	Total %	Household Consumption	Sale	Wages in Kind	Others
Milk.....	99.99	91.8	1.34	0.42	6.43
Butter.....	100	63.69	33.82	0.43	2.06
Cheese.....	100	96.95	0.31	0.38	2.36
Beef.....	100	37.65	56.27	1.74	4.34
Mutton/Goat Meat.....	100	86.86	9.32	0.57	3.25
Eggs.....	100.01	42.01	52.68	0.18	5.14
Honey.....	100	33.22	64.69	0.57	1.52
Wax.....	99.99	38.03	27.53	1.12	33.31
Sheep Hair.....	100	0.71	99.29	-	-
Skin.....	100	41.89	54.45	-	3.66
Hide.....	100	54.87	42.03	0.03	3.07
Arera.....	100	90.91	-	-	9.09
Chicken Meat.....	100	72.72	27.28	-	-
Camel Meat.....	-	-	-	-	-

Table 2.2: Livestock Product percent of Utilization-Private peasant Holders, 2009/10(2002 E.C)
Afar Region

Type of Livestock Product	Percent Utilized for				
	Total %	Household Consumption	Sale	Wages in Kind	Others
Milk.....	100	87.29	4.69	0.3	7.72
Butter.....	100	74.35	20.48	0.13	5.04
Cheese.....	100	88	1.25	-	10.75
Beef.....	99.99	65.47	11.93	0.25	22.34
Mutton/Goat Meat.....	100	82.62	2.71	0.34	14.33
Eggs.....	100	66.19	23.89	-	9.92
Honey.....	100	22.5	40	37.5	-
Wax.....	-	-	-	-	-
Sheep Hair.....	100	100	-	-	-
Skin.....	100	72.08	24.28	-	3.64
Hide.....	100.01	75.72	18.95	-	5.34
Arera.....	100	88.21	0.43	0.34	11.02
Chicken Meat.....					
Camel Meat.....					

Table 2.3: Livestock Product percent of Utilization-Private peasant Holders, 2009/10(2002 E.C)
Amhara Region

Type of Livestock Product	Percent Utilized for				
	Total %	Household Consumption	Sale	Wages in Kind	Others
Milk.....	100	92.62	0.38	0.24	6.76
Butter.....	100	59.55	38.85	0.09	1.51
Cheese.....	100	98.22	0.41	0.01	1.36
Beef.....	100.01	48.13	38.5	3.38	10
Mutton/Goat Meat.....	100	93.52	3.53	0.4	2.55
Eggs.....	100	28.15	50.93	0.15	20.77
Honey.....	100	37.61	60.01	0.39	1.99
Wax.....	100	24.46	53.64	-	21.9
Sheep Hair.....	100	70.27	28.79	0.26	0.68
Skin.....	100	56.3	43.35	-	0.35
Hide.....	100	41.54	57.93	0.05	0.48
Arera.....	100	98	0.47	0.05	1.48
Chicken Meat.....	100	97.34	2.35	-	0.31
Camel Meat.....	100	100	-	-	-

Table 2.4: Livestock Product percent of Utilization-Private peasant Holders, 2009/10(2002 E.C)
Oromia Region

Type of Livestock Product	Percent Utilized for				
	Total %	Household Consumption	Sale	Wages in Kind	Others
Milk.....	100.01	86.36	6.31	0.29	7.05
Butter.....	100	60.38	36.28	0.11	3.23
Cheese.....	100	87.65	7.58	0.06	4.71
Beef.....	100	54.64	34.54	0.11	10.71
Mutton/Goat Meat.....	99.99	90.12	4.39	0.04	5.44
Eggs.....	100	37.71	47.88	0.26	14.15
Honey.....	100	45.23	51.64	0.17	2.96
Wax.....	100	23.64	69.51	-	6.85
Sheep Hair.....	100	74.29	25.71	-	-
Skin.....	100	53.97	42.05	0.72	3.26
Hide.....	99.99	39.1	57.27	0.19	3.43
Arera.....	100	92.49	4.54	0.01	2.96
Chicken Meat.....	100	95	-	-	5
Camel Meat.....	100	35	-	-	65

Table 2.5: Livestock Product percent of Utilization-Private peasant Holders, 2009/10(2002 E.C)
Somali Region

Type of Livestock Product	Percent Utilized for				
	Total %	Household Consumption	Sale	Wages in Kind	Others
Milk.....	100	67.79	29.68	0.17	2.36
Butter.....	100.01	64.61	33.39	0.28	1.73
Cheese.....	100	100	-	-	-
Beef.....	100	34.83	54.31	0.34	10.52
Mutton/Goat Meat.....	99.99	69.21	14.38	0.24	16.16
Eggs.....	100	30.64	44.95	0.1	24.31
Honey.....	100	25	35	-	40
Wax.....	-	-	-	-	-
Sheep Hair.....	100	100	-	-	-
Skin.....	100	60.41	34.49	-	5.1
Hide.....	100	45.74	41.32	-	12.94
Arera.....	100	92.17	7.83	-	-
Chicken Meat.....	100	100	-	-	-
Camel Meat.....	100	51.25	-	-	48.75

Table 2.6: Livestock Product percent of Utilization-Private peasant Holders, 2009/10(2002 E.C)
Benshangule-Gumuz Region

Type of Livestock Product	Percent Utilized for				
	Total %	Household Consumption	Sale	Wages in Kind	Others
Milk.....	100	63.89	0.89	0.12	35.1
Butter.....	100	51.55	46.16	0.01	2.28
Cheese.....	99.99	95.37	1.1	0.01	3.51
Beef.....	99.99	21.91	74.29	0.43	3.36
Mutton/Goat Meat.....	100	78.39	16.11	0.51	4.99
Eggs.....	99.99	25.07	22.07	-	52.85
Honey.....	100.01	26.3	71.39	0.16	2.16
Wax.....	100	48.83	34.92	-	16.25
Sheep Hair.....	100	100	-	-	-
Skin.....	100	47.23	52.77	-	-
Hide.....	100	47.08	43.06	-	9.86
Arera.....	100	96.64	-	-	3.36
Chicken Meat.....	100	100	-	-	-
Camel Meat.....	-	-	-	-	-

Table 2.7: Livestock Product percent of Utilization-Private peasant Holders, 2009/10(2002 E.C)
S.N.N.P. Region

Type of Livestock Product	Percent Utilized for				
	Total %	Household Consumption	Sale	Wages in Kind	Others
Milk.....	100.01	88.63	2.29	0.36	8.73
Butter.....	100	58.43	38.51	0.42	2.64
Cheese.....	100	66.95	31.43	0.34	1.28
Beef.....	100.01	34.11	51.1	1.93	12.87
Mutton/Goat Meat.....	100	82.51	13.3	0.49	3.7
Eggs.....	99.99	33.83	39.35	0.41	26.4
Honey.....	100	33.81	63.17	0.81	2.21
Wax.....	100	60	13.53	-	26.47
Sheep Hair.....	100	-	100	-	-
Skin.....	100.01	42.13	50.11	0.53	7.24
Hide.....	100	32.82	64.68	0.38	2.12
Arera.....	100	87.32	7.4	0.53	4.75
Chicken Meat.....	100	96.96	0.46	-	2.58
Camel Meat.....	100	100	-	-	-

Table 2.8: Livestock Product percent of Utilization-Private peasant Holders, 2009/10(2002 E.C)
Gambella Region

Type of Livestock Product	Percent Utilized for				
	Total %	Household Consumption	Sale	Wages in Kind	Others
Milk.....	100	85.13	11.15	0.44	3.28
Butter.....	100	73.1	24.53	0.41	1.96
Cheese.....	100	91.68	5.74	0.55	2.03
Beef.....	100	65	8.97	-	26.03
Mutton/Goat Meat.....	100	73	19.57	0.29	7.14
Eggs.....	99.99	50.06	37.95	0.28	11.7
Honey.....	100	21.61	75.97	0.22	2.2
Wax.....	-	-	-	-	-
Sheep Hair.....	-	-	-	-	-
Skin.....	100	68.94	29.57	0.53	0.96
Hide.....	100	57.14	39.29	-	3.57
Arera.....	100	98.44	0.28	1.11	0.17
Chicken Meat.....	100	100	-	-	-
Camel Meat.....	-	-	-	-	-

Table 2.9: Livestock Product percent of Utilization-Private peasant Holders, 2009/10(2002 E.C)
Harari Region

Type of Livestock Product	Percent Utilized for				
	Total %	Household Consumption	Sale	Wages in Kind	Others
Milk.....	100	47.47	47.21	-	5.32
Butter.....	100	66.3	-	-	33.7
Cheese.....	-	-	-	-	-
Beef.....	100	10	-	-	90
Mutton/Goat Meat.....	100	69.52	-	-	30.48
Eggs.....	100	23.53	45.25	-	31.22
Honey.....	100	75.71	10	-	14.29
Wax.....	-	-	-	-	-
Sheep Hair.....	-	-	-	-	-
Skin.....	100	100	-	-	-
Hide.....	100	29.31	-	-	70.69
Arera.....	100	100	-	-	-
Chicken Meat.....	-	-	-	-	-
Camel Meat.....	-	-	-	-	-

Table 2.10: Livestock Product percent of Utilization-Private peasant Holders, 2009/10(2002 E.C)
Dire Dawa

Type of Livestock Product	Percent Utilized for				
	Total %	Household Consumption	Sale	Wages in Kind	Others
Milk.....	99.99	63.65	35.81	0.29	0.24
Butter.....	100	95	-	-	5
Cheese.....	-	-	-	-	-
Beef.....	100	100	-	-	-
Mutton/Goat Meat.....	100	84.05	0.39	-	15.56
Eggs.....	100	7.77	78.49	-	13.74
Honey.....	-	-	-	-	-
Wax.....	-	-	-	-	-
Sheep Hair.....	-	-	-	-	-
Skin.....	100	46.67	3.33	23.33	26.67
Hide.....	100	66.28	6.98	-	26.74
Arera.....	-	-	-	-	-
Chicken Meat.....	-	-	-	-	-
Camel Meat.....	-	-	-	-	-

APPENDIX I QUESTIONNAIRE

CENTRAL STATISTICAL AGENCY
ETHIOPIAN AGRICULTURAL SAMPLE SURVEY 2009/2010 (2002 E.C)

PART I – IDENTIFICATION PARTICULARS

1	2	3	4	5	6	7	8	9	10	11	12	13	14
Region	Zone	Wereda	PA / REST.AR	EA LOCAL	HH ID	HH HEAD SEX 1=M 2=F	HOLDER ID	HOLDER'S		SEX M=1 F=2	HIGHEST GRADE COMPLETED	HOLDER'S HH SIZE	FARMING TYPE CROP=1 LIVEST=2 BOTH=3
								NAME	AGE				

Part II – Crop Usage Proportions (Percentages)

Part II – Livestock Product Usage Proportions

1	2	3	4	5	6	7	8	9
Sr. No.	Name of Crop code	Proportions of Total Product for						
		Household Consumption	Seed	Sale*	Wages in Kind	Animal Feed	Others	Total
0 1								
0 2								
0 3								
0 4								
0 5								
0 6								
0 7								
0 8								
0 9								
1 0								
1 1								
1 2								
1 3								
1 4								

1	2	3
Sr. No	Name of livestock nad Livestock product	Hou Con
0 1		
0 2		
0 3		
0 4		
0 5		
0 6		
0 7		
0 8		
0 9		
1 0		
1 1		
1 2		
1 3		
1 4		
1 5		

* For sale includes the part of products that the holder sold for purchase of agricultural inputs, family clothing . . . etc.

