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CENTRAL STATISTICAL AUTHORITY

AGRICULTURAL SAMPLE SURVEY
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REPORT ON

AREA AND PRODUCTION OF CROPS

(PRIVATE PEASANT HOLDINGS, MEHER SEASON)

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ABBREVIATIONS

CV – COEFFICIENT OF VARIATION
E.C. – ETHIOPIAN CALENDAR
S.N.N.P.R. – SOUTHERN NATIONS, NATIONALITIES AND PEOPLES REGION

PART I

INTRODUCTION

Food security has become a burning issue in Ethiopia since it is an absolute prerequisite for political and social stability. It received national prominence in the aftermath of the recurring drought and famine and obviously became an immediate domestic policy concern.

The gap between the dire need for food and food supply is compounded by rapidly increasing population, depletion of natural resources and the existing traditional way of farming. It even requires sacrifice to provide adequate supply of food in such a situation where natural and human factors have negatively impacted on the agricultural production and resulted in recurrent droughts and sometimes in catastrophe.

Pressed by these problems and other economic factors, the Ethiopian government has centered its agricultural policy on ensuring food security by allocating more resources to increase agricultural production so as to ward off food shortage and ensure continuous adequate supply of food. To monitor and evaluate the performance of the policy and the trends in the changing patterns in agriculture, statistical information on agriculture is required as an input since agriculture is a primary activity connected with food availability.

The Central Statistical Authority (C.S.A) has been generating statistical information used as inputs in the formulation of agricultural policies by collecting processing and summarizing reliable, comprehensive and timely data on the country's agriculture. As part of this mission the 2003/04 (1996 E.C) Agricultural Sample Survey was conducted to furnish data on cropland area and production of crops within the private peasant holdings for Meher Season of the quoted year. The Survey results are presented in this bulletin and other electronic media for public and private use.

The report comprises three parts. Part I contains the objectives of this annual survey, Part II deals with coverage of the survey, sample design, field organization and method of data collection and Part III includes survey findings. Estimation procedures and formulation of estimates of totals, ratios and variance are presented in Appendix I. Estimates of the standard errors with the corresponding coefficients of variations for area and production of crops are presented in Appendix II. The number of agricultural households covered, parcels, and fields measured and number of crop cuttings performed is presented in appendix III and the survey questionnaires in appendix IV.

2. OBJECTIVES OF THE SURVEY

The general objective of CSA's Agricultural Sample Survey (AgSS) is to collect basic quantitative information on the country's agriculture that is essential for planning, policy formulation, food security, etc. The AgSS is composed of four components: Crop Production Forecast Survey, Meher Season Survey, Livestock Survey and Belg Season Survey.

The specific objectives of Meher Season Survey are to estimate the total cultivated area, production and yield of crops. Companion reports are published separately with estimates of land use area and quantity of agricultural inputs during Meher Season agriculture. All reports are based on the private peasant holdings in sedentary rural areas of the country further subdivided by regions and zones.

PART II

SURVEY METHODOLOGY AND OPERATIONS

1. SCOPE AND COVERAGE OF THE SURVEY

The range of data items that the 2003/04 (1996 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 crops are also enumerated and data on cropland area and yield are also recorded, hence data on production of these crops acquired.

The survey also covered the entire rural parts of the country except three zones of Afar regional state and six zones of Somali regional state where their inhabitants are predominantly pastoralists. However, it should be noted that the crop cutting exercise part of the survey from November 2003 up to January 2004 was not done in Gambela Regional State. Hence no production estimates for the region for Meher season. Accordingly the survey took in to account all parts of Harari, Addis Ababa and Dire Dawa, and 63 additional Zones / Special weredas (that are treated as zones) of other regions.

A total of 2,072 enumeration areas were initially selected to be covered by the survey, however, due to various reasons that are beyond the control of the CSA 16 EA's were not covered and the survey was successfully carried out in 2056 (99.23 %) EA's. As regards the ultimate sampling unit, it was planned to conduct the survey on 51,800 agricultural households and 51,300 (99.03 %) households were actually covered by the Meher Season Agricultural Sample Survey. Distribution of the number of sampling units (planned and covered) by domain of estimation is tabulated in Appendix I.

2. SAMPLE DESIGN

A stratified two-stage cluster sample design was used to select the sample. Enumeration areas (EA's) were taken to be the primary sampling units (PSU's) and the secondary sampling units (SSU's) were agricultural households. Sample enumeration areas from each stratum were sub-samples of the 2001/2 (1994 E.C) Ethiopian Agricultural Sample Enumeration. They were selected using probability proportional to size systematic sampling; size being number of agricultural households obtained from the 1994 Population & Housing Census and adjusted for the sub-sampling effect. Within each sample EA a fresh list of households was prepared and 25 agricultural households from each sample EA were systematically selected at the second stage. The survey questionnaire was finally administered for those 25 agricultural households selected at the second stage. Information on area under crops and Meher season production of crops were obtained from the 25 households that were ultimately selected. It is important to note, however, that data on crop cutting were obtained from only fifteen households (the 11^{th}-25^{th} households selected).

The sample size for the 2003/4 agricultural sample survey was determined by taking in to 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 in addition considered.

Except Harari, Addis Ababa and Dire Dawa, where the region as a whole was taken to be the domain of estimation, each zone of a region / special wereda that is considered to be a zone by itself was adopted as a stratum for which major findings of the survey are reported.

Estimation procedure for totals & ratios and their sampling errors are given in Appendix II. Estimates of standard errors and Coefficient of Variations for selected estimates are also presented in Appendix III.

3. 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 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 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 in administering the financial and logistic aspects of the survey within their areas of operation. A total of 2154 enumerators, 442 field supervisors and 21 coordinators 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 195 four-wheel drive vehicles were used.

4.TRAINING OF FIELD STAFF

The execution of a survey and quality of data 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 is ensured when the training meets its objective of producing responsible and enthusiastic 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 in the Head Office and lasted 10/days targeted staff from the Head Office, and senior field supervisors from Branch Statistical offices. The

staff that took part in the first stage training were then assigned to conduct similar training for the enumerations and other supervisions for fifteen days in all the twenty-five Branch Statistical Offices distributed across the country.

In the training the field staff were given detailed classroom instruction on how to collect data, method of area measurement, method of crop cutting, 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 and crop cutting methods.

5.METHOD OF DATA COLLECTION

The agricultural data for the year 2003/04(1996 E.C) was collected from sedentary rural peasant households by interviewing the selected agricultural holders and physically measuring their fields and performing crop cutting procedures to gather data on crop yields and other items of interest. The data obtained were recorded in various forms designed for this purpose. Instruments like measuring tape; compass, kitchen balance, scientific calculators and others were used during data collection for a speedy and smooth acquisition of accurate data.

The procedures for measuring areas of crop fields and other fields used by the holders were performed for the twenty –five selected households from each sampled E.A. using measuring tapes and compasses. All fields under major temporary crops of each holder of the fifteen randomly selected households of the 25 sample households were classified by crop type and a crop field was randomly selected from each major crop type for crop cutting to be performed .The crop cutting procedure consists of demarcation of a four meter by four meter plot randomly located in the selected field where the crop in the demarcated plot is to be harvested.

Following the enumerator's harvest of the crop cutting plot and threshing, the crop is kept in bags with identification information (i.e. holder's number, parcel and field

numbers) The crop stored in the bag is weighed immediately (green weight) after threshing and weighed again after two weeks of drying to simulate normal holder harvesting and drying practices. Both the green and dry weights are recorded on the respective forms.

6.DATA PROCESSING

6.1 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. An editing, coding and verification instruction manual was prepared and reproduced. Then 65 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 questioners were passed over to the data entry unit. The editing, coding and verification exercise of all questionnaires took 40 days.

6.2 Data Entry, Cleaning and Tabulation

Before data entry, the Natural Resources and Agricultural Statistics Department 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 64 data encoders and it took 50 days to finish the job. Finally, tabulation was done on personal computers to produce statistical tables as per the tabulation plan.

6. 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 with out 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 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 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 Nehase(August) is considered to be Belg Season Crop.

PART III

FINDINGS OF THE SURVEY

AREA & PRODUCTION

By and large, agriculture in Ethiopia is subsistence. This is particularly true to the major food crops grown in the country and covered in the survey. The major food crops are produced in almost all regions of the country in spite of the variation in volume of production across the regions. The variation may be attributed to the extent of area devoted to each crop type, weather change and a shift in preference for the crops grown.

The food crops on which data is collected are the ones that are commonly grown by the majority of peasant holders. In the statistical tables these crops have been categorized into eight groups for simplicity of description and comparison purposes. The groups are cereals, pulses, oilseeds, vegetables, root crops, fruit crops, stimulant crops and sugar cane. Stimulant crops consist of Chat, coffee and hops.

1.1 Cereals: - these are the major food crops both in terms of the area they are planted to and volume of production obtained. They are produced in larger volume compared with other crops because they are the principal staple crops. Cereals are grown in all the regions with varying quantity as shown in the survey results. The data in Table 1 well underpins this finding of the survey.

Out of the total grain crop area 81% (about 7 million hectares) was under cereals. Teff, maize and sorghum took up 23% (1.99 million hectares), 16% (1.37 million hectares) and 15% (1.28 million hectares) of the grain crop area, respectively. As to production, the tables paint the same picture as that of the area. Cereals contributed 87% (90 million quintals) of the grain production. Maize, sorghum and Teff made up 25% (25.43 million quintals), 17% (17.42 million quintals) and 16% (16.77 million quintals) of the grain production.

Table 1 - Area, Production and Yield of Crops for Private Peasant Holdings for Meher Season 2003/2004 (1996 E.C)

Ethiopia

Crop	Number of holders	Area in hectare	Production in quintals	Yield (qt / ha)
Grain	9,871,397	8,669,295	103,564,132	
Cereals	9,628,505	6,998,977	90,062,375	
Teff	4,562,933	1,989,068	16,773,480	8.43
Barley	3,473,903	920,127	10,796,861	11.73
Wheat	3,380,343	1,098,907	16,144,412	14.69
Maize	6,299,746	1,367,115	25,429,653	18.6
Sorghum	3,636,444	1,283,654	17,424,536	13.57
Finger millet	1,053,159	304,758	3,051,014	10.01
Oats / 'Aja'	256,657	30,048	387,337	12.89
Rice	25,426	*	*	*
Pulses	5,308,211	1,099,535	10,373,131	
Faba beans	2,897,531	381,988	4,268,917	11.18
Field peas	1,345,129	211,564	1,703,653	8.05
Haricot beans	1,806,257	183,752	1,721,529	9.37
Chick-peas	622,350	154,281	1,359,299	8.81
Lentils	468,270	52,062	352,748	6.78
Grass peas	409,233	82,713	789,545	9.55
Soya beans	14,171	1,027	4,574	4.46
Fenugreek	429,490	17,133	124,540	7.27
Gibto	86,216	15,016	48,326	3.22
Oilseeds	2,445,750	570,783	3,128,626	
Neug	936,804	281,718	1,189,950	4.22
Linseed	878,339	142,899	773,634	5.41
Groundnuts	125,278	20,217	207,150	10.25
Safflower	146,740	8,401	50,427	6
Sesame	318,801	91,527	614,621	6.72
Rape seed	579,495	26,021	292,844	11.25
Vegetables	3,831,083	82,333	3,879,469	
Lettuce	22,408	130	*	*
Head cabbage	138,330	1,843	85,776	46.54
Ethiopian cabbage	2,229,904	22,377	2,135,915	95.45
Tomatoes	107,509	3,761	548,707	145.9
Green peppers	594,556	4,471	413,870	92.57
Red peppers	1,302,534	49,611	669,078	13.49
Swiss chard	42,465	140	10,746	76.57
Root crops	3,841,212	158,731	16,055,245	
Beetroot	178,991	1,216	140,955	115.88
Carrot	84,325	1,108	100,232	90.48
Onion	786,860	17,017	2,166,893	127.34
Potatoes	1,150,645	54,603	5,097,150	93.35
Garlic	1,070,549	9,465	1,353,939	143.05
Taro / 'Godere'	886,972	28,380	2,224,646	78.39
Sweet potatoes	1,022,185	46,942	4,971,428	105.91
Fruit crops	1,952,158	44,338	2,495,902	
Avocados	391,775	2,938	172,007	58.54
Bananas	1,293,155	29,083	1,751,497	60.22
Guavas	134,700	1,063	11,942	11.23
Lemons	114,755	735	9,661	13.15
Mangoes	350,067	4,964	292,283	58.88
Oranges	303,886	2,533	126,118	49.78
Papayas	376,678	2,371	132,039	55.68
Pineapples	21,862	*	*	*
Chat	1,731,224	111,578	933,398	8.37
Coffee	2,420,827	232,439	1,261,880	5.43
Hops	1,472,524	20,792	249,204	11.99
Sugar cane	717,718	14,292	997,600	69.8

Fig. 1 - Area under Crops

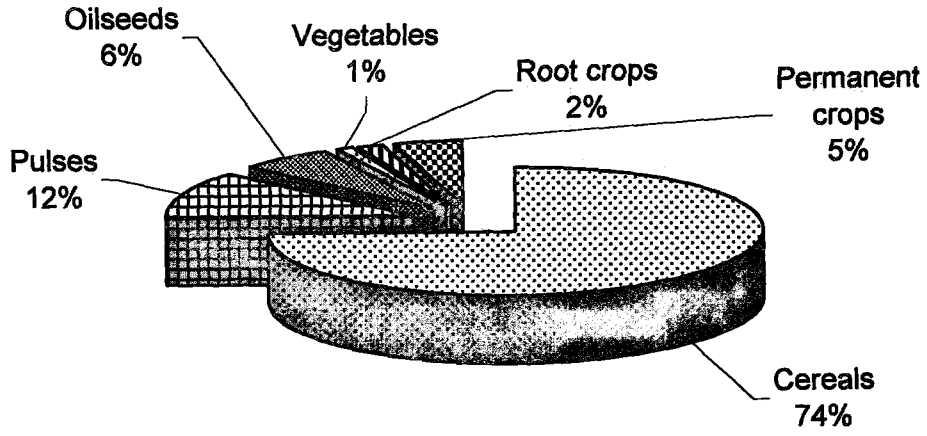
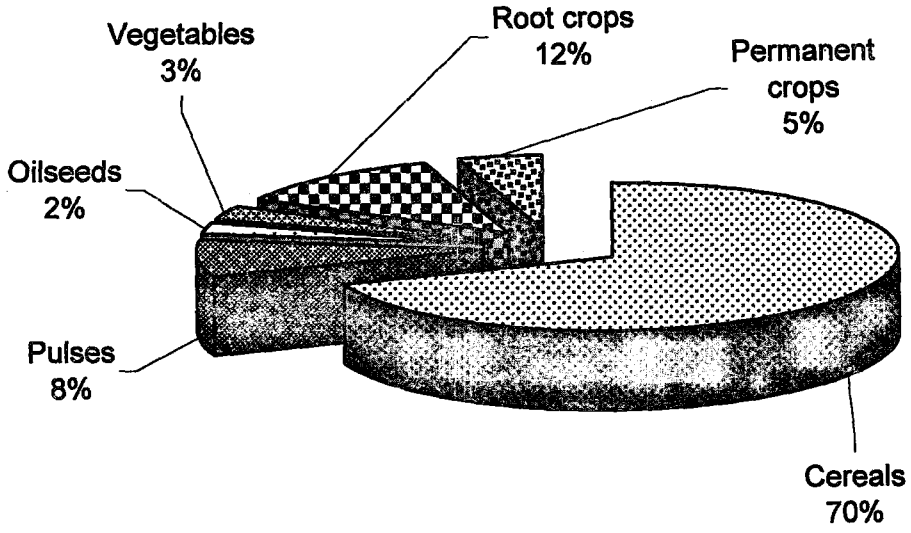


Fig. 2 - Production of Crops



1.2 Pulses: - The survey results show that the private peasant holders grow various crops for own consumption and/ or economic benefits. Pulses are also among the various crops produced in all the regions of the country after cereals. Pulses are grown in different volumes across the country as indicated in Table 1.

Pulses grown in 2003 / 04 (1996 E.C) covered 13% (1.1 million hectares) of the grain crop area and 10% (10.37 million quintals) of the grain production was drawn from the same crops. Horse beans, field peas and haricot beans were planted to 4% (about 382 thousand hectares), 2% (212 thousand hectares) and 2% (184 thousand hectares) of the grain crop area. The production obtained from the same crops was 4% (4.27 million quintals), 2% (1.70 million quintals) and again 2% (1.72 million quintals) of the grain production, in the same order.

1.3 Oilseeds: - these are crops grown to flavor the food consumed at home and earn some cash for peasant holders in the country. Various oil crops are produced in all the regions with differing quantity as illustrated in the survey results. Table 1 underscores this point in detail.

Oilseeds added about 7% (570 thousand hectares) of the grain crop area and 3% (more than 3 million quintals) of the production to the national total. Neug, linseed and sesame covered 3% (about 282 thousand hectares), about 2% (about 143 thousand hectares) and 1% (about 92 thousand hectares) of the grain crop area and 1% (1.19 million quintals), about 1% (about 774 thousand quintals) and about 1% (about 615 thousand quintals) of the grain production.

1.4 Vegetables- holders living on the peripheries of urban centers largely practice vegetable farming. Most vegetables are not commonly practiced by the rural private peasant holders, hence the small volume of production recorded as well evidenced by the survey results. Statistical Table 1 underlines this more in the report.

Vegetables took up about 1% of the area under all crops at national level. Of all the area under vegetables 60% and 27% was under red peppers and Ethiopian Cabbage.

As to production of vegetables, 17% and 55% was that of the same crops, in that order.

1.5 Root Crops - Some root crops like onion and garlic are indispensable to improve the taste and scent of the food we eat. Others like potatoes sweet potatoes and taro/ Godere are among the list of major food crops that are consumed across the country. These and other economic importance prompt the peasant holders to grow many of the root crops as shown in the survey findings. Table 1 substantiates this point in more details.

Root crops covered nearly 2% of the area under all crops in the country. Potatoes, sweet potatoes and taro ('Godere') added 34%, 30% and 18% of the area to the root crop total. The same crops and onion contributed 32%, 31%, 14% and again 14% to the root crop production total in the same order.

1.6 Fruit Crops – The survey findings show that fruit crops grown by the private peasant holders cover only a small token area and production in the country. The number of holders practicing fruit farming is much less than that of grains or cereals as indicated in the tables.

More than 44 thousand hectares of land is under fruit crops in Ethiopia. Bananas contributed about 66% of the fruit crop area followed by mangoes that contributed more than 11% of the area. Nearly two and half million quintals of fruits was produced in the country. Bananas and mangoes took up 70% and 12% of the fruit production, respectively, as shown in Table 1.

1.7 Stimulant crops – Farmers engaged in growing and producing stimulant crops such as coffee and Chat are more than those growing fruits. The area and production of these crops are also larger than that of fruits since they earn a considerable amount of cash for the holders. Table 1 shows coffee and Chat shared about 64% and 31% of the stimulant crop area and 52% and 38% of the production in this category, respectively.

1.8 Sugar Cane- is grown in small areas in some parts of the country within the private peasant holdings. Its volume of production is also small and does not go beyond household consumption. The survey data substantiates these points as shown in Table 1. More than 14 thousand hectares of land was under sugar cane in the country yielding nearly a million quintals of produce.

Table 2 - Estimate of Area and Production of Temporary Crops for 2001/2002 (1994 E.C) and 2003/2004 (1996 E.C), Mhere Season

	Area in hectare			Production in quintal		
Region	2001 / 02 (1994 E.C)	2003 / 04 (1996 E.C)	% Change	2001 / 02 (1994 E.C)	2003 / 04 (1996 E.C)	% Change
TIGRAY	537,573	595,609	10.80	6,510,627	6,839,248	5.05
AFAR	8,837	13,458	52.29	116,758	284,819	143.94
AMHARA	2,913,589	3,220,716	10.54	35,070,876	37,020,141	5.56
OROMIA	3,532,674	3,899,930	10.40	54,338,047	59,465,930	9.44
SOMALI	59,668	71,547	19.91	821,907	639,004	-22.25
BENISHANGUL-GUMUZ	137,153	148,697	8.42	1,632,900	1,614,009	-1.16
S.N.N.P.R.	766,495	911,719	18.95	14,542,213	17,197,475	18.26
GAMBELA	8,725	10,286	17.89	178,766	-	-
HARARI	5,988	7,743	29.31	63,592	70,187	10.37
ADDIS ABABA	21,155	23,244	9.87	228,668	266,710	16.64
DIRE DAWA	6,779	7,410	9.31	104,890	101,322	-3.40
ALL	7,998,635	8,910,333	11.40	113,609,245	123,498,845	8.70

Fig. 3 - Area and Production of Crops by Region

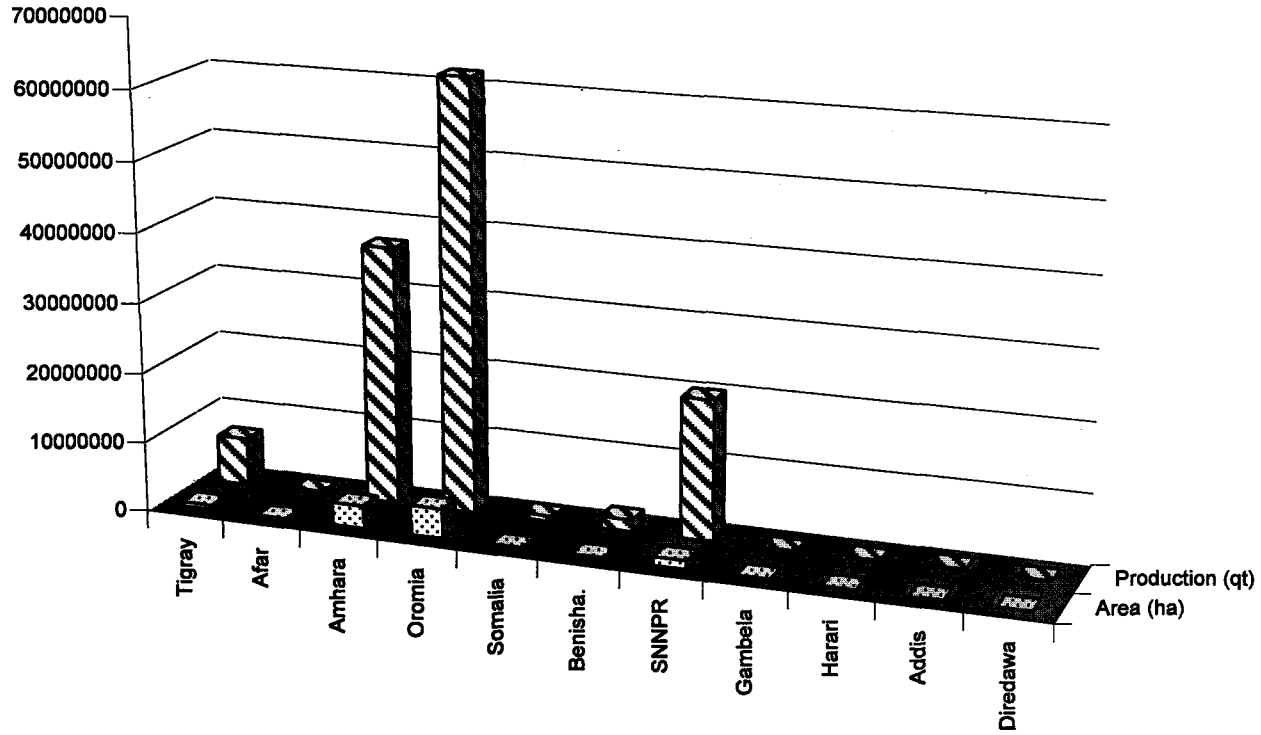


Table 3 - Estimate of Area, Production and Yield of Crops for 2001/2002 (1994 E.C) and 2003/2004 (1996 E.C), Mhere Season

Ethiopia

Crop	Area in hectare			Production in quintal			Yield (quintal / hectare)		
	2001 / 02 (1994 E.C)	2003 / 04 (1996 E.C)	% change	2001 / 02 (1994 E.C)	2003 / 04 (1996 E.C)	% change	2001 / 02 (1994 E.C)	2003 / 04 (1996 E.C)	% change
Grain crops	7,813,021	8,669,295	10.96	99,361,781	103,564,132	4.23			
Cereals	6,370,106	6,998,977	9.87	87,068,276	90,062,375	3.44			
Teff	1,818,375	1,989,068	9.39	16,273,155	16,773,480	3.07	8.95	8.43	-5.81
Barley	771,515	920,127	19.26	9,319,063	10,796,861	15.86	12.08	11.73	-2.90
Wheat	1,005,000	1,098,907	9.34	14,444,338	16,144,412	11.77	14.37	14.69	2.23
Maize	1,323,038	1,367,115	3.33	28,002,089	25,429,653	-9.19	21.16	18.6	-12.10
Sorghum	1,132,496	1,283,654	13.35	15,462,081	17,424,536	12.69	13.65	13.57	-0.59
Finger millet	281455	304,758	8.28	3,061,838	3,051,014	-0.35	10.88	10.01	-8.00
Oats / 'Aja'	29,863	30,048	0.62	351,592	387,337	10.17	11.77	12.89	9.52
Rice	8,365	*	*	154,120	*	*	18.42	*	*
Pulses	1,016,786	1,099,535	8.14	10,212,147	10,373,131	1.58			
Faba beans	369,151	381,988	3.48	4,470,626	4,268,917	-4.51	12.11	11.18	-7.68
Field peas	175,222	211,564	20.74	1,472,697	1,703,653	15.68	8.4	8.05	-4.17
Haricot beans	119,879	183,752	53.28	986,738	1,721,529	74.47	8.23	9.37	13.85
Chick-peas	184,801	154,281	-16.52	1,798,213	1,359,299	-24.41	9.73	8.81	-9.46
Lentils	60,138	52,062	-13.43	384,296	352,748	-8.21	6.39	6.78	6.10
Grass peas	83,523	82,713	-0.97	923,391	789,545	-14.50	11.06	9.55	-13.65
Soya beans	1,769	1,027	-41.94	16,205	4,574	-71.77	9.16	4.46	-51.31
Fenugreek	15,051	17,133	13.83	100,266	124,540	24.21	6.66	7.27	9.16
Gibto	7,252	15,016	107.06	59,714	48,326	-19.07	8.23	3.22	-60.87
Oilseeds	426,130	570,783	33.95	2,081,357	3,128,626	50.32			
Neug	232,201	281,718	21.33	841,896	1,189,950	41.34	3.63	4.22	16.25
Linseed	98,596	142,899	44.93	510,518	773,634	51.54	5.18	5.41	4.44
Groundnuts	16,035	20,217	26.08	132,851	207,150	55.93	8.29	10.25	23.64
Safflower	5,474	8,401	53.47	37,662	50,427	33.89	6.88	6	-12.79
Sesame	58,780	91,527	55.71	388,996	614,621	58.00	6.62	6.72	1.51
Rape seed	15,044	26,021	72.97	169,435	292,844	72.84	11.26	11.25	-0.09
Vegetables	74986	82,333	9.80	2,886,097	3,879,469	34.42			
Lettuce	128	130	1.56	11,410	*	*	89.16	*	*
Head cabbage	564	1,843	226.77	65,815	85,776	30.33	116.74	46.54	-60.13
Ethio. Cabbage	14,528	22,377	54.03	1,436,804	2,135,915	48.66	98.9	95.45	-3.49
Tomatoes	1,545	3,761	143.43	230,552	548,707	138.00	149.19	145.9	-2.21
Green peppers	3,728	4,471	19.93	360,389	413,870	14.84	96.67	92.57	-4.24
Red peppers	54,376	49,611	-8.76	770,349	669,078	-13.15	14.17	13.49	-4.80
Swiss chard	116	140	20.69	10,779	10,746	-0.31	92.65	76.57	-17.36
Root crops	110,628	158,731	43.48	11,361,367	16,055,245	41.31			
Beetroot	405	1,216	200.25	52,301	140,955	169.51	129.14	115.88	-10.27
Carrot	578	1,108	91.70	70,197	100,232	42.79	121.4	90.48	-25.47
Onion	10,489	17,017	62.24	1,404,569	2,166,893	54.27	133.92	127.34	-4.91
Potatoes	36,736	54,603	48.64	3,852,581	5,097,150	32.30	104.87	93.35	-10.99
Garlic	4,802	9,465	97.11	704,707	1,353,939	92.13	146.75	143.05	-2.52
Taro / 'Godere'	23,591	28,380	20.30	1,885,508	2,224,646	17.99	79.93	78.39	-1.93
Sweet potatoes	34,027	46,942	37.96	3,391,504	4,971,428	46.58	99.67	105.91	6.26
Fruit crops	34,582	44,338	28.21	1,907,352	2,495,902	30.86			
Avocados	2,414	2,938	21.71	138,885	172,007	23.85	57.53	58.54	1.76
Bananas	21,268	29,083	36.75	1,223,720	1,751,497	43.13	57.54	60.22	4.66
Guavas	1,224	1,063	-13.15	16,582	11,942	-27.98	13.55	11.23	-17.12
Lemons	749	735	-1.87	11,716	9,661	-17.54	15.65	13.15	-15.97
Mangoes	3,642	4,964	36.30	198,033	292,283	47.59	54.38	58.88	8.28
Oranges	2,402	2,533	5.45	132,504	126,118	-4.82	55.16	49.78	-9.75
Papayas	2,713	2,371	-12.61	182,959	132,039	-27.83	67.43	55.68	-17.43
Pineapples	170	*	*	*	*	*	*	*	*
Chat	96,066	111,578	16.15	796,520	933,398	17.18	8.29	8.37	0.97
Coffee	243,834	232,439	-4.67	1,571,753	1,261,880	-19.72	6.45	5.43	-15.81
Hops	18,448	20,792	12.71	246,506	249,204	1.09	13.36	11.99	-10.25
Sugar cane	11,775	14,292	21.38	783,803	997,600	27.28	66.57	69.8	4.85

Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2003/2004 (1996 E.C)

Tigray Region

Crop	Number of holders	Area in hectare	Production in quintals	Yield (qt / ha)
Grain	637,791	592,156	6,530,625	
Cereals	632,267	512,432	5,857,344	
Teff	389,573	136,740	1,047,565	7.66
Barley	344,546	76,521	820,770	10.73
Wheat	270,543	74,466	866,686	11.64
Maize	365,309	43,622	637,843	14.62
Sorghum	245,485	128,927	1,942,050	15.06
Finger millet	207,053	51,709	540,810	10.46
Oats / 'Aja'	*	*	*	*
Rice	*	*	-	-
Pulses	279,712	41,139	371,565	
Horse beans	176,269	14,880	179,752	12.08
Field peas	54,401	4,944	45,785	9.26
Haricot beans	10,772	1,082	6,635	6.13
Chick-peas	39,125	8,521	65,623	7.7
Lentils	40,655	5,348	33,491	6.26
Vetch	29,155	5,817	38,272	6.58
Soya beans	*	*	*	*
Fenugreek	20,435	513	1,919	3.74
Gibto	-	-	-	-
Oilseeds	136,270	38,585	301,716	
Neug	34,764	6,055	42,862	7.08
Linseed	60,973	6,162	28,806	4.67
Groundnuts	*	*	-	-
Safflower	*	*	-	-
Sesame	51,737	26,280	230,048	8.75
Rape seed	2,254	*	-	-
Vegetables	127,501	1,817	95,147	
Lettuce	6,306	*	*	*
Head cabbage	7,463	*	*	*
Ethiopian cabbage	*	*	-	-
Tomatoes	20,592	366	49,953	136.38
Green peppers	29,582	279	23,867	85.4
Red peppers	78,639	932	10,471	11.24
Swiss chard	9,032	74	7,668	104.12
Root crops	80,096	1,636	213,475	
Beetroot	*	*	-	-
Carrot	*	*	*	*
Onion	37,480	638	85,371	133.81
Potatoes	26,687	419	39,264	93.63
Garlic	34,962	506	80,584	159.19
Taro / 'Godere'	-	-	-	-
Sweet potatoes	*	*	-	-
Fruit crops	20,057	111	516	
Avocados	*	*	-	-
Bananas	2,474	*	-	-
Guavas	6,319	18	-	-
Lemons	6,167	18	516	29.32
Mangoes	*	*	-	-
Oranges	5,797	30	-	-
Papayas	6,710	32	-	-
Pineapples	-	-	-	-
Chat	6,355	*	-	-
Coffee	4,561	*	-	-
Hops	108,558	1,640	69,579	42.43
Sugar cane	*	*	-	-

Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2003/2004 (1996 E.C)

North West Tigray

Crop	Number of holders	Area in hectare	Production in quintals	Yield (qt / ha)
Grain	119,228	135,480	1,708,378	
Cereals	119,228	122,181	1,600,065	
Teff	76,970	26,826	196,507	7.33
Barley	9,523	383	1,754	4.58
Wheat	*	*	-	-
Maize	102,375	19,841	347,024	17.49
Sorghum	78,645	43,028	695,800	16.17
Finger millet	88,166	31,984	358,980	11.22
Oats / 'Aja'	-	-	-	-
Rice	-	-	-	-
Pulses	31,528	4,090	37,261	
Horse beans	17,443	1,209	*	*
Field peas	3,959	255	*	*
Haricot beans	*	*	*	*
Chick-peas	10,701	2,280	22,084	9.68
Lentils	*	*	*	*
Vetch	*	*	-	-
Soya beans	-	-	-	-
Fenugreek	*	*	-	-
Gibto	-	-	-	-
Oilseeds	36,779	9,210	71,051	
Neug	13,269	2,812	19,361	6.89
Linseed	6,718	664	*	*
Groundnuts	-	-	-	-
Safflower	-	-	-	-
Sesame	18,589	5,732	47,636	8.31
Rape seed	*	*	-	-
Vegetables	57,684	628	6,115	
Lettuce	*	*	-	-
Head cabbage	-	-	-	-
Ethiopian cabbage	-	-	-	-
Tomatoes	*	*	-	-
Green peppers	*	*	-	-
Red peppers	57,048	586	6,115	10.43
Swiss chard	*	*	-	-
Root crops	5,866	*	*	
Beetroot	-	-	-	-
Carrot	*	*	-	-
Onion	5,412	*	*	*
Potatoes	*	*	-	-
Garlic	*	*	*	*
Taro / 'Godere'	-	-	-	-
Sweet potatoes	*	*	-	-
Fruit crops	3,694	28	201	
Avocados	-	-	-	-
Bananas	*	*	-	-
Guavas	712	*	-	-
Lemons	1,764	7	201	28.77
Mangoes	-	-	-	-
Oranges	*	*	-	-
Papayas	2,117	*	-	-
Pineapples	-	-	-	-
Chat	-	-	-	-
Coffee	*	*	-	-
Hops	10,048	121	5,152	42.75
Sugar cane	*	*	-	-

Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2003/2004 (1996 E.C)

Central Tigray

Crop	Number of holders	Area in hectare	Production in quintals	Yield (qt / ha)
Grain	201,706	164,968	1,480,548	
Cereals	199,736	150,458	1,372,842	
Teff	158,058	51,123	364,425	7.13
Barley	123,319	18,729	173,601	9.27
Wheat	72,527	15,450	173,502	11.23
Maize	141,534	12,763	156,835	12.29
Sorghum	80,159	40,327	419,175	10.39
Finger millet	79,947	12,019	85,304	7.1
Oats / 'Aja'	*	*	-	-
Rice	*	*	-	-
Pulses	101,139	11,765	98,424	
Horse beans	81,139	6,826	69,838	10.23
Field peas	12,699	785	*	*
Haricot beans	5,232	*	*	*
Chick-peas	6,811	1,314	6,685	5.09
Lentils	13,400	1,524	6,668	4.37
Vetch	4,860	*	*	*
Soya beans	*	*	*	*
Fenugreek	8,512	259	*	*
Gibto	-	-	-	-
Oilseeds	31,284	2,744	9,282	
Neug	8,378	514	1,551	3.02
Linseed	18,547	1,409	5,507	3.91
Groundnuts	*	*	-	-
Safflower	*	*	-	-
Sesame	*	*	*	*
Rape seed	*	*	-	-
Vegetables	28,212	226	14,303	
Lettuce	3,256	4	599	135.18
Head cabbage	*	*	-	-
Ethiopian cabbage	-	-	-	-
Tomatoes	4,384	*	*	*
Green peppers	12,142	54	5,380	100.37
Red peppers	12,663	*	*	*
Swiss chard	*	*	*	*
Root crops	27,431	504	75,739	
Beetroot	*	*	-	-
Carrot	*	*	*	*
Onion	13,266	*	*	*
Potatoes	10,146	*	*	*
Garlic	14,948	*	*	*
Taro / 'Godere'	-	-	-	-
Sweet potatoes	-	-	-	-
Fruit crops	2,630	*	-	
Avocados	-	-	-	-
Bananas	*	*	-	-
Guavas	*	*	-	-
Lemons	*	*	-	-
Mangoes	*	*	-	-
Oranges	*	*	-	-
Papayas	942	*	-	-
Pineapples	-	-	-	-
Chat	-	-	-	-
Coffee	1,161	3	-	-
Hops	34,966	701	28,599	40.79
Sugar cane	-	-	-	-

Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2003/2004 (1996 E.C)

East Tigray

Crop	Number of holders	Area in hectare	Production in quintals	Yield (qt / ha)
Grain	103,614	54,455	635,859	
Cereals	102,913	47,011	574,258	
Teff	37,913	7,364	55,733	7.57
Barley	91,844	19,847	251,979	12.7
Wheat	82,181	13,435	177,966	13.25
Maize	38,389	2,575	36,834	14.3
Sorghum	10,792	*	*	*
Finger millet	15,005	2,048	15,316	7.48
Oats / 'Aja'	*	*	*	*
Rice	*	*	-	-
Pulses	54,024	6,783	59,104	
Horse beans	32,755	1,575	23,545	14.95
Field peas	15,792	1,011	6,532	6.46
Haricot beans	*	*	-	-
Chick-peas	7,269	*	*	*
Lentils	7,736	492	4,004	8.13
Vetch	8,838	1,878	13,715	7.3
Soya beans	*	*	-	-
Fenugreek	2,419	*	*	*
Gibto	-	-	-	-
Oilseeds	9,834	661	2,496	
Neug	*	*	*	*
Linseed	9,530	637	2,342	3.68
Groundnuts	-	-	-	-
Safflower	-	-	-	-
Sesame	-	-	-	-
Rape seed	-	-	-	-
Vegetables	13,261	210	27,153	
Lettuce	941	*	*	*
Head cabbage	*	*	*	*
Ethiopian cabbage	542	*	-	-
Tomatoes	8,858	129	19,529	151.51
Green peppers	4,001	28	2,954	103.97
Red peppers	*	*	-	-
Swiss chard	4,343	15	2,081	135.74
Root crops	13,309	230	27,133	
Beetroot	-	-	-	-
Carrot	*	*	-	-
Onion	6,628	25	4,440	176.88
Potatoes	7,506	202	22,521	111.3
Garlic	*	*	*	*
Taro / 'Godere'	-	-	-	-
Sweet potatoes	-	-	-	-
Fruit crops	3,685	10	-	
Avocados	*	*	-	-
Bananas	*	*	-	-
Guavas	*	*	-	-
Lemons	*	*	-	-
Mangoes	-	-	-	-
Oranges	1,585	*	-	-
Papayas	*	*	-	-
Pineapples	-	-	-	-
Chat	*	*	-	-
Coffee	*	*	-	-
Hops	27,715	212	9,523	44.87
Sugar cane	-	-	-	-

Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2003/2004 (1996 E.C)

South Tigray

Crop	Number of holders	Area in hectare	Production in quintals	Yield (qt / ha)
Grain	166,996	180,478	1,994,452	
Cereals	165,845	159,749	1,818,053	
Teff	102,901	47,595	392,553	8.25
Barley	116,554	36,974	384,604	10.4
Wheat	113,227	45,004	508,232	11.29
Maize	53,570	5,936	61,144	10.3
Sorghum	37,718	23,614	467,685	19.81
Finger millet	2,195	322	2,848	8.84
Oats / 'Aja'	*	*	*	*
Rice	*	*	-	-
Pulses	82,147	17,234	160,538	
Horse beans	35,915	4,442	60,903	13.71
Field peas	20,459	2,687	28,025	10.43
Haricot beans	*	*	*	*
Chick-peas	13,446	2,908	23,997	8.25
Lentils	19,302	3,320	22,792	6.86
Vetch	15,094	3,146	20,691	6.58
Soya beans	-	-	-	-
Fenugreek	9,159	237	622	2.63
Gibto	-	-	-	-
Oilseeds	24,223	3,495	15,861	
Neug	*	*	*	*
Linseed	22,133	3,041	14,093	4.63
Groundnuts	-	-	-	-
Safflower	*	*	-	-
Sesame	*	*	*	*
Rape seed	*	*	-	-
Vegetables	18,763	530	42,665	
Lettuce	1,297	*	-	-
Head cabbage	3,807	*	-	-
Ethiopian cabbage	*	*	-	-
Tomatoes	4,560	*	*	*
Green peppers	9,482	*	*	*
Red peppers	1,435	*	*	*
Swiss chard	1,532	*	*	*
Root crops	29,587	734	87,976	
Beetroot	*	*	-	-
Carrot	*	*	*	*
Onion	11,204	291	36,489	125.56
Potatoes	8,726	159	10,833	68.07
Garlic	15,853	222	33,135	148.99
Taro / 'Godere'	-	-	-	-
Sweet potatoes	-	-	-	-
Fruit crops	7,074	30	18	
Avocados	*	*	-	-
Bananas	*	*	-	-
Guavas	3,378	7	-	-
Lemons	1,020	1	18	14.7
Mangoes	*	*	-	-
Oranges	1,841	*	-	-
Papayas	3,081	*	-	-
Pineapples	-	-	-	-
Chat	5,663	*	-	-
Coffee	1,006	*	-	-
Hops	23,644	158	7,341	46.33
Sugar cane	-	-	-	-

Area, Production and Yield of Crops for Private Peasant Holdings for Meher Season 2003/2004 (1996 E.C)

Western Tigray

Crop	Number of holders	Area in hectare	Production in quintals	Yield (qt / ha)
Grain	46,248	56,775	711,389	
Cereals	44,546	33,033	492,126	
Teff	13,731	3,832	38,347	10.01
Barley	3,306	588	*	*
Wheat	2,289	*	*	*
Maize	29,442	2,507	36,005	14.36
Sorghum	38,172	20,313	323,594	15.93
Finger millet	21,741	5,335	78,362	14.69
Oats / 'Aja'	-	-	-	-
Rice	-	-	-	-
Pulses	10,873	1,268	16,237	
Horse beans	9,016	827	12,792	15.46
Field peas	1,491	*	1,868	*
Haricot beans	*	*	*	*
Chick-peas	*	*	*	*
Lentils	*	*	-	-
Vetch	-	-	-	-
Soya beans	-	-	-	-
Fenugreek	-	-	-	-
Gibto	-	-	-	-
Oilseeds	34,151	22,475	203,026	
Neug	12,418	2,692	21,773	8.09
Linseed	4,045	411	2,810	6.84
Groundnuts	-	-	-	-
Safflower	-	-	-	-
Sesame	25,942	19,368	178,444	9.21
Rape seed	*	*	-	-
Vegetables	9,582	224	4,911	
Lettuce	*	*	-	-
Head cabbage	-	-	-	-
Ethiopian cabbage	-	-	-	-
Tomatoes	*	*	-	-
Green peppers	*	*	*	*
Red peppers	6,779	195	2,029	10.43
Swiss chard	-	-	-	-
Root crops	3,904	*	*	
Beetroot	-	-	-	-
Carrot	-	-	-	-
Onion	*	*	*	*
Potatoes	*	*	-	-
Garlic	*	*	*	*
Taro / 'Godere'	-	-	-	-
Sweet potatoes	-	-	-	-
Fruit crops	2,974	18	298	
Avocados	-	-	-	-
Bananas	452	*	-	-
Guavas	*	*	-	-
Lemons	2,004	8	298	36.93
Mangoes	-	-	-	-
Oranges	*	*	-	-
Papayas	*	*	-	-
Pineapples	-	-	-	-
Chat	-	-	-	-
Coffee	1,314	*	-	-
Hops	12,186	448	18,963	42.36
Sugar cane	-	-	-	-

Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2003/2004 (1996 E.C)

Afar Region

Crop	Number of holders	Area in hectare	Production in quintals	Yield (qt / ha)
Grain	10,590	13,247	262,048	
Cereals	10,507	12,484	252,297	
Teff	3,196	1,516	10,177	6.71
Barley	*	*	*	*
Wheat	*	*	*	*
Maize	9,579	7,826	212,822	27.19
Sorghum	3,608	3,045	28,635	9.4
Finger millet	-	-	-	-
Oats / 'Aja'	-	-	-	-
Rice	-	-	-	-
Pulses	2,135	320	3,144	
Horse beans	-	-	-	-
Field peas	-	-	-	-
Haricot beans	2,019	283	2,997	10.59
Chick-peas	162	29	104	3.6
Lentils	*	*	*	*
Vetch	-	-	-	-
Soya beans	-	-	-	-
Fenugreek	*	*	-	-
Gibto	-	-	-	-
Oilseeds	1,714	443	6,607	
Neug	*	*	*	*
Linseed	*	*	-	-
Groundnuts	-	-	-	-
Safflower	785	54	-	-
Sesame	1,214	387	6,606	17.06
Rape seed	-	-	-	-
Vegetables	992	16	222	
Lettuce	-	-	-	-
Head cabbage	-	-	-	-
Ethiopian cabbage	*	*	-	-
Tomatoes	*	*	-	-
Green peppers	*	*	-	-
Red peppers	720	10	222	23.37
Swiss chard	-	-	-	-
Root crops	555	*	*	
Beetroot	*	*	-	-
Carrot	-	-	-	-
Onion	507	*	*	*
Potatoes	-	-	-	-
Garlic	-	-	-	-
Taro / 'Godere'	-	-	-	-
Sweet potatoes	*	*	-	-
Fruit crops	1,411	*	-	
Avocados	-	-	-	-
Bananas	*	*	-	-
Guavas	-	-	-	-
Lemons	*	*	-	-
Mangoes	-	-	-	-
Oranges	*	-	-	-
Papayas	335	*	-	-
Pineapples	-	-	-	-
Chat	-	-	-	-
Coffee	*	*	-	-
Hops	429	*	-	-
Sugar cane	164	*	-	-

Area, Production and Yield of Crops for Private Peasant Holdings for Meher Season 2003/2004 (1996 E.C)

Zone 1

Crop	Number of holders	Area in hectare	Production in quintals	Yield (qt / ha)
Grain				
Cereals				
Teff	5,652	7,326	210,688	-
Barley	5,610	7,147	206,259	-
Wheat	-	-	-	-
Maize	-	-	-	-
Sorghum	*	*	*	*
Finger millet	5,535	7,029	204,741	29.13
Oats / 'Aja'	*	*	*	*
Rice	-	-	-	-
Pulses	-	-	-	-
Horse beans	-	-	-	-
Field peas	-	-	-	-
Haricot beans	-	-	-	-
Chick-peas	-	-	-	-
Lentils	-	-	-	-
Vetch	-	-	-	-
Soya beans	-	-	-	-
Fenugreek	-	-	-	-
Gibto	-	-	-	-
Oilseeds	-	-	-	-
Neug	-	-	-	-
Linseed	*	*	*	*
Groundnuts	-	-	-	-
Safflower	-	*	-	-
Sesame	-	-	*	-
Rape seed	-	-	-	-
Vegetables	-	-	-	-
Lettuce	*	*	*	*
Head cabbage	-	-	-	-
Ethiopian cabbage	-	*	-	-
Tomatoes	-	-	-	-
Green peppers	-	-	*	*
Red peppers	-	-	-	-
Swiss chard	-	-	-	-
Root crops	-	-	-	-
Beetroot	-	-	-	-
Carrot	-	-	-	-
Onion	-	-	-	-
Potatoes	-	-	-	-
Garlic	-	-	-	-
Taro / 'Godere'	-	-	-	-
Sweet potatoes	-	-	-	-
Fruit crops	-	-	-	-
Avocados	-	-	-	-
Bananas	-	-	-	-
Guavas	-	-	-	-
Lemons	-	-	-	-
Mangoes	-	-	-	-
Oranges	-	-	-	-
Papayas	-	-	-	-
Pineapples	-	-	-	-
Chat	-	-	-	-
Coffee	-	-	-	-
Hops	-	-	-	-
Sugar cane	-	-	-	-

Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2003/2004 (1996 E.C)

Zone 3

Crop	Number of holders	Area in hectare	Production in quintals	Yield (qt / ha)
Grain	4,938	5,921	51,360	
Cereals	4,897	5,337	46,038	
Teff	3,196	1,516	10,177	6.71
Barley	*	*	*	*
Wheat	*	*	*	*
Maize	4,044	798	8,081	10.13
Sorghum	3,457	2,953	27,118	9.18
Finger millet	-	-	-	-
Oats / 'Aja'	-	-	-	-
Rice	-	-	-	-
Pulses	2,135	320	3,144	
Horse beans	-	-	-	-
Field peas	-	-	-	-
Haricot beans	2,019	283	2,997	10.59
Chick-peas	162	29	104	3.6
Lentils	*	*	*	*
Vetch	-	-	-	-
Soya beans	-	-	-	-
Fenugreek	*	*	-	-
Gibto	-	-	-	-
Oilseeds	1,592	265	*	
Neug	*	*	*	*
Linseed	*	*	-	-
Groundnuts	-	-	-	-
Safflower	785	54	-	-
Sesame	1,093	209	*	*
Rape seed	-	-	-	-
Vegetables	992	16	222	
Lettuce	-	-	-	-
Head cabbage	-	-	-	-
Ethiopian cabbage	*	*	-	-
Tomatoes	*	*	-	-
Green peppers	*	*	-	-
Red peppers	720	10	222	23.37
Swiss chard	-	-	-	-
Root crops	555	*	*	
Beetroot	*	*	-	-
Carrot	-	-	-	-
Onion	507	*	*	*
Potatoes	-	-	-	-
Garlic	-	-	-	-
Taro / 'Godere'	-	-	-	-
Sweet potatoes	*	*	-	-
Fruit crops	1,411	*	-	
Avocados	-	-	-	-
Bananas	*	*	-	-
Guavas	-	-	-	-
Lemons	*	*	-	-
Mangoes	-	-	-	-
Oranges	*	-	-	-
Papayas	335	*	-	-
Pineapples	-	-	-	-
Chat	-	-	-	-
Coffee	*	*	-	-
Hops	429	*	-	-
Sugar cane	164	*	-	-

Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2003/2004 (1996 E.C)

Amhara Region

Crop	Number of holders	Area in hectare	Production in quintals	Yield (qt / ha)
Grain	2,898,155	3,168,181	33,801,387	
Cereals	2,854,664	2,401,872	27,491,561	
Teff	1,804,443	826,443	7,304,077	8.84
Barley	1,397,016	357,174	3,671,086	10.28
Wheat	1,114,986	332,645	4,145,700	12.46
Maize	1,715,013	258,195	4,644,115	17.99
Sorghum	935,825	457,450	6,039,494	13.2
Finger millet	410,137	156,868	1,555,811	9.92
Oats / 'Aja'	95,102	8,776	83,862	9.56
Rice	17,760	*	*	*
Pulses	1,840,110	540,483	5,150,674	
Horse beans	1,213,791	184,586	2,154,367	11.67
Field peas	630,267	99,633	845,699	8.49
Haricot beans	271,399	43,144	385,525	8.94
Chick-peas	391,329	98,393	877,655	8.92
Lentils	276,532	35,488	258,490	7.28
Vetch	256,364	55,388	509,899	9.21
Soya beans	*	*	-	-
Fenugreek	173,279	9,057	70,904	7.83
Gibto	83,221	14,705	48,134	3.27
Oilseeds	1,118,384	225,827	1,159,152	
Neug	503,424	143,732	579,056	4.03
Linseed	364,480	31,884	112,456	3.53
Groundnuts	*	*	*	*
Safflower	107,484	7,005	44,107	6.3
Sesame	107,212	22,112	142,237	6.43
Rape seed	368,462	19,305	244,186	12.65
Vegetables	888,456	21,227	354,864	
Lettuce	*	*	-	-
Head cabbage	18,532	*	*	*
Ethiopian cabbage	138,154	639	56,605	88.55
Tomatoes	17,856	219	*	*
Green peppers	102,926	658	62,036	94.26
Red peppers	654,836	19,427	217,601	11.2
Swiss chard	10,264	18	*	*
Root crops	951,475	31,308	2,863,890	
Beetroot	15,052	*	*	*
Carrot	18,036	*	*	*
Onion	207,341	4,395	500,677	113.92
Potatoes	386,847	22,076	1,753,298	79.42
Garlic	559,323	4,184	577,418	138
Taro / 'Godere'	-	-	-	-
Sweet potatoes	19,258	340	*	*
Fruit crops	169,901	1,804	16,683	
Avocados	2,773	14	-	-
Bananas	57,950	425	2,573	6.05
Guavas	29,702	178	872	4.9
Lemons	36,347	139	*	*
Mangoes	15,236	77	-	-
Oranges	61,502	731	*	*
Papayas	48,164	240	1,936	8.08
Pineapples	-	-	-	-
Chat	102,004	2,718	13,566	4.99
Coffee	218,693	4,274	6,976	1.63
Hops	751,691	13,481	57,502	4.27
Sugar cane	44,944	686	2,039	2.97

Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2003/2004 (1996 E.C)

North Gonder

Crop	Number of holders	Area in hectare	Production in quintals	Yield (qt / ha)
Grain	400,021	523,527	4,859,031	
Cereals	397,384	395,359	3,896,091	
Teff	222,983	105,617	750,288	7.1
Barley	147,330	48,477	501,998	10.36
Wheat	77,966	23,702	263,194	11.1
Maize	274,032	35,328	465,337	13.17
Sorghum	248,795	152,322	1,600,756	10.51
Finger millet	97,326	27,303	289,773	10.61
Oats / 'Aja'	15,172	*	*	*
Rice	*	*	*	*
Pulses	218,455	82,613	742,551	
Horse beans	156,303	29,415	299,280	10.17
Field peas	60,507	11,503	70,814	6.16
Haricot beans	21,776	2,714	11,302	4.16
Chick-peas	80,553	31,099	283,645	9.12
Lentils	10,991	1,325	6,970	5.26
Vetch	25,411	*	*	*
Soya beans	-	-	-	-
Fenugreek	20,360	2,049	15,884	7.75
Gibto	-	-	-	-
Oilseeds	189,010	45,555	220,389	
Neug	84,056	23,439	108,122	4.61
Linseed	56,125	4,749	15,658	3.3
Groundnuts	-	-	-	-
Safflower	23,634	1,638	11,617	7.09
Sesame	42,449	14,825	80,377	5.42
Rape seed	32,669	905	4,614	5.1
Vegetables	147,679	5,914	99,887	
Lettuce	-	-	-	-
Head cabbage	*	*	-	-
Ethiopian cabbage	*	90	11,002	121.8
Tomatoes	*	*	-	-
Green peppers	14,653	*	*	*
Red peppers	117,447	5,632	68,721	12.2
Swiss chard	*	*	-	-
Root crops	106,947	4,365	419,584	
Beetroot	-	-	-	-
Carrot	-	-	-	-
Onion	7,996	*	*	*
Potatoes	72,435	3,405	300,236	88.18
Garlic	50,389	685	91,466	133.5
Taro / 'Godere'	-	-	-	-
Sweet potatoes	*	*	-	-
Fruit crops	9,965	54	260	
Avocados	-	-	-	-
Bananas	4,376	*	*	*
Guavas	-	-	-	-
Lemons	*	*	*	*
Mangoes	-	-	-	-
Oranges	-	-	-	-
Papayas	*	*	*	*
Pineapples	-	-	-	-
Chat	*	*	-	-
Coffee	26,045	346	431	1.25
Hops	66,325	*	*	*
Sugar cane	-	-	-	-

Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2003/2004 (1996 E.C)

South Gonder

Crop	Number of holders	Area in hectare	Production in quintals	Yield (qt / ha)
Grain	367,018	412,006	3,208,232	
Cereals	364,303	294,367	2,478,880	
Teff	266,102	116,278	852,835	7.33
Barley	242,382	66,978	576,692	8.61
Wheat	165,283	46,199	396,617	8.59
Maize	204,599	25,262	298,072	11.8
Sorghum	54,489	11,121	65,586	5.9
Finger millet	85,284	25,290	242,796	9.6
Oats / 'Aja'	3,787	*	*	*
Rice	*	*	*	*
Pulses	250,997	83,130	576,502	
Horse beans	149,814	24,639	236,740	9.61
Field peas	78,691	13,853	109,764	7.92
Haricot beans	39,285	12,489	78,878	6.32
Chick-peas	51,293	15,036	77,230	5.14
Lentils	18,767	2,101	8,651	4.12
Vetch	43,762	9,935	57,275	5.77
Soya beans	-	-	-	-
Fenugreek	*	*	*	*
Gibto	24,585	*	7,799	*
Oilseeds	180,926	34,510	152,850	
Neug	90,409	21,649	101,785	4.7
Linseed	77,424	7,397	19,438	2.63
Groundnuts	-	-	-	-
Safflower	28,213	2,570	9,748	3.79
Sesame	-	-	-	-
Rape seed	54,355	2,895	21,879	7.56
Vegetables	75,802	3,363	40,502	
Lettuce	-	-	-	-
Head cabbage	-	-	-	-
Ethiopian cabbage	*	*	-	-
Tomatoes	*	*	-	-
Green peppers	*	*	*	*
Red peppers	67,877	3,293	39,683	12.05
Swiss chard	*	*	-	-
Root crops	161,355	11,697	843,150	
Beetroot	-	-	-	-
Carrot	*	*	-	-
Onion	7,136	*	*	*
Potatoes	112,036	10,773	735,243	68.25
Garlic	88,124	511	66,632	130.45
Taro / 'Godere'	-	-	-	-
Sweet potatoes	-	-	-	-
Fruit crops	*	*	*	
Avocados	-	-	-	-
Bananas	*	*	*	*
Guavas	-	-	-	-
Lemons	*	*	-	-
Mangoes	-	-	-	-
Oranges	*	*	-	-
Papayas	*	*	-	-
Pineapples	-	-	-	-
Chat	5,684	*	-	-
Coffee	10,478	152	88	0.58
Hops	95,406	1,727	4,256	2.47
Sugar cane	*	*	-	-

Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2003/2004 (1996 E.C)

North Wollo

Crop	Number of holders	Area in hectare	Production in quintals	Yield (qt / ha)
Grain	288,981	217,283	2,735,108	
Cereals	285,015	173,640	2,248,492	
Teff	177,322	65,067	667,764	10.26
Barley	167,134	32,161	425,212	13.22
Wheat	116,226	22,409	342,467	15.28
Maize	122,127	5,635	59,717	10.6
Sorghum	117,908	45,168	721,144	15.97
Finger millet	8,398	738	7,300	9.9
Oats / 'Aja'	23,272	2,448	24,888	10.17
Rice	*	*	-	-
Pulses	180,797	39,293	465,508	
Horse beans	103,252	12,350	151,778	12.29
Field peas	71,061	7,906	83,594	10.57
Haricot beans	13,253	*	*	*
Chick-peas	45,889	8,594	92,158	10.72
Lentils	46,364	5,901	68,818	11.66
Vetch	14,368	1,633	34,034	20.85
Soya beans	*	*	-	-
Fenugreek	21,508	*	*	*
Gibto	-	-	-	-
Oilseeds	64,351	4,351	21,107	
Neug	12,488	600	2,325	3.88
Linseed	47,819	2,928	12,413	4.24
Groundnuts	-	-	-	-
Safflower	*	*	*	*
Sesame	2,979	*	*	*
Rape seed	*	*	*	*
Vegetables	52,303	301	15,985	
Lettuce	-	-	-	-
Head cabbage	*	*	-	-
Ethiopian cabbage	26,275	104	10,140	97.8
Tomatoes	*	*	-	-
Green peppers	8,865	49	3,599	74.15
Red peppers	17,199	135	2,246	16.64
Swiss chard	*	*	-	-
Root crops	60,689	942	113,735	
Beetroot	-	-	-	-
Carrot	*	*	-	-
Onion	11,094	*	*	*
Potatoes	17,107	*	*	*
Garlic	45,125	507	72,727	143.54
Taro / 'Godere'	-	-	-	-
Sweet potatoes	*	*	-	-
Fruit crops	21,185	*	*	
Avocados	-	-	-	-
Bananas	9,902	*	*	*
Guavas	*	*	-	-
Lemons	*	*	-	-
Mangoes	-	-	-	-
Oranges	*	*	*	*
Papayas	*	*	*	*
Pineapples	-	-	-	-
Chat	4,478	*	*	*
Coffee	23,912	*	-	-
Hops	56,843	546	3,736	6.85
Sugar cane	3,428	*	*	*

Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2003/2004 (1996 E.C)

South Wollo

Crop	Number of holders	Area in hectare	Production in quintals	Yield (qt / ha)
Grain	472,181	382,490	4,733,846	
Cereals	464,398	278,828	3,607,044	
Teff	272,582	89,638	882,154	9.84
Barley	229,797	34,345	464,587	13.53
Wheat	241,850	65,364	795,494	12.17
Maize	206,229	10,164	141,630	13.93
Sorghum	201,648	75,225	1,281,464	17.04
Finger millet	13,456	676	*	*
Oats / 'Aja'	45,618	3,390	33,395	9.85
Rice	*	*	-	-
Pulses	362,909	95,797	1,064,879	
Horse beans	241,308	25,572	345,409	13.51
Field peas	162,312	22,266	213,441	9.59
Haricot beans	70,405	7,112	90,240	12.69
Chick-peas	94,508	14,810	186,769	12.61
Lentils	114,790	16,234	129,088	7.95
Vetch	52,535	6,300	75,589	12
Soya beans	-	-	-	-
Fenugreek	48,719	3,502	24,344	6.95
Gibto	-	-	-	-
Oilseeds	118,687	7,865	61,922	
Neug	58,251	4,088	28,993	7.09
Linseed	53,885	2,301	12,960	5.63
Groundnuts	-	-	-	-
Safflower	*	*	-	-
Sesame	*	*	*	*
Rape seed	17,972	395	*	*
Vegetables	107,666	1,161	27,193	
Lettuce	*	*	-	-
Head cabbage	3,790	*	-	-
Ethiopian cabbage	20,019	109	10,416	95.85
Tomatoes	7,958	*	-	-
Green peppers	15,331	73	7,738	105.54
Red peppers	66,743	754	9,039	11.98
Swiss chard	*	*	-	-
Root crops	98,858	1,313	167,790	
Beetroot	*	*	*	*
Carrot	6,702	*	*	*
Onion	23,004	*	*	*
Potatoes	15,795	129	11,832	92.01
Garlic	69,591	519	74,288	143.07
Taro / 'Godere'	-	-	-	-
Sweet potatoes	*	*	*	*
Fruit crops	40,274	*	*	
Avocados	*	*	-	-
Bananas	5,050	20	277	13.64
Guavas	12,424	*	*	*
Lemons	*	*	-	-
Mangoes	*	*	-	-
Oranges	20,587	*	*	*
Papayas	12,673	*	*	*
Pineapples	-	-	-	-
Chat	50,003	1,713	12,777	7.46
Coffee	50,622	863	3,429	3.97
Hops	52,594	383	4,518	11.8
Sugar cane	10,263	97	633	6.52

Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2003/2004 (1996 E.C)

North Shewa

Crop	Number of holders	Area in hectare	Production in quintals	Yield (qt / ha)
Grain	336,510	374,207	4,655,269	
Cereals	321,434	292,330	3,790,620	
Teff	195,371	84,772	834,237	9.84
Barley	158,079	45,080	531,919	11.8
Wheat	173,760	63,322	896,952	14.16
Maize	133,328	5,643	68,118	12.07
Sorghum	155,967	93,451	1,458,422	15.61
Finger millet	-	-	-	-
Oats / 'Aja'	3,575	62	972	15.58
Rice	-	-	-	-
Pulses	231,218	72,373	809,690	
Horse beans	171,288	33,144	486,569	14.68
Field peas	90,524	13,665	120,122	8.79
Haricot beans	31,854	2,388	*	*
Chick-peas	50,402	10,611	85,184	8.03
Lentils	59,252	6,687	30,640	4.58
Vetch	22,771	4,402	49,475	11.24
Soya beans	-	-	-	-
Fenugreek	36,410	1,464	10,770	7.36
Gibto	*	*	-	-
Oilseeds	92,494	9,504	54,959	
Neug	18,477	1,141	3,939	3.45
Linseed	36,880	4,671	14,399	3.08
Groundnuts	-	-	-	-
Safflower	15,189	*	*	*
Sesame	27,175	2,052	19,696	9.6
Rape seed	7,390	*	*	*
Vegetables	113,968	1,080	31,632	
Lettuce	*	*	-	-
Head cabbage	*	*	-	-
Ethiopian cabbage	43,089	100	8,099	81.04
Tomatoes	*	*	-	-
Green peppers	17,999	107	10,946	102.59
Red peppers	61,513	852	11,896	13.97
Swiss chard	2,822	*	*	*
Root crops	135,299	2,515	331,035	
Beetroot	3,721	5	670	128.64
Carrot	4,928	5	-	-
Onion	87,360	1,863	240,927	129.35
Potatoes	23,768	96	8,696	90.62
Garlic	67,201	*	*	*
Taro / 'Godere'	-	-	-	-
Sweet potatoes	*	*	*	*
Fruit crops	21,157	129	803	
Avocados	-	-	-	-
Bananas	7,822	51	270	5.31
Guavas	-	-	-	-
Lemons	8,863	*	*	*
Mangoes	-	-	-	-
Oranges	9,042	37	362	9.75
Papayas	2,587	*	*	*
Pineapples	-	-	-	-
Chat	4,547	*	*	*
Coffee	36,913	627	803	1.28
Hops	108,123	2,157	16,941	7.86
Sugar cane	9,960	63	317	5.02

Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2003/2004 (1996 E.C)

East Gojam

Crop	Number of holders	Area in hectare	Production in quintals	Yield (qt / ha)
Grain	370,765	463,562	5,065,554	
Cereals	363,845	358,349	4,103,880	
Teff	259,815	173,522	1,871,055	10.78
Barley	197,457	54,950	523,584	9.53
Wheat	216,825	78,021	1,017,444	13.04
Maize	200,924	27,081	396,196	14.63
Sorghum	50,590	23,769	291,531	12.27
Finger millet	2,989	395	4,070	10.32
Oats / 'Aja'	*	*	-	-
Rice	2,823	591	-	-
Pulses	244,538	79,506	836,709	
Horse beans	181,827	25,793	295,143	11.44
Field peas	86,180	17,128	144,861	8.46
Haricot beans	34,439	8,576	*	*
Chick-peas	33,954	8,574	91,643	10.69
Lentils	7,883	*	*	*
Vetch	53,938	16,933	194,977	11.51
Soya beans	-	-	-	-
Fenugreek	12,021	530	3,800	7.17
Gibto	8,093	1,069	3,933	3.68
Oilseeds	129,713	25,707	124,965	
Neug	65,426	16,187	64,666	3.99
Linseed	30,257	4,592	20,549	4.47
Groundnuts	-	-	-	-
Safflower	*	*	*	*
Sesame	*	*	*	*
Rape seed	72,811	3,852	34,872	9.05
Vegetables	77,387	771	24,626	
Lettuce	*	*	-	-
Head cabbage	4,963	11	1,376	119.79
Ethiopian cabbage	*	*	*	*
Tomatoes	*	*	-	-
Green peppers	20,439	*	*	*
Red peppers	49,767	570	8,989	15.76
Swiss chard	*	*	-	-
Root crops	129,975	3,653	369,599	
Beetroot	6,188	*	*	*
Carrot	*	*	-	-
Onion	29,294	458	55,232	120.62
Potatoes	53,110	2,698	243,616	90.3
Garlic	75,597	488	69,817	142.99
Taro / 'Godere'	-	-	-	-
Sweet potatoes	-	-	-	-
Fruit crops	13,080	*	*	
Avocados	*	*	-	-
Bananas	*	*	*	*
Guavas	-	-	-	-
Lemons	*	*	-	-
Mangoes	*	*	-	-
Oranges	*	*	-	-
Papayas	*	*	-	-
Pineapples	-	-	-	-
Chat	*	*	-	-
Coffee	11,944	*	*	*
Hops	136,496	2,426	12,206	5.03
Sugar cane	*	*	-	-

Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2003/2004 (1996 E.C)

West Gojam

Crop	Number of holders	Area in hectare	Production in quintals	Yield (qt / ha)
Grain	359,976	469,349	5,361,454	
Cereals	358,246	346,612	4,550,608	
Teff	229,577	109,858	890,863	8.11
Barley	143,146	44,125	331,468	7.51
Wheat	62,186	17,863	282,796	15.83
Maize	338,503	107,384	2,374,168	22.11
Sorghum	*	*	*	*
Finger millet	144,234	62,865	621,165	9.88
Oats / 'Aja'	*	*	-	-
Rice	*	*	-	-
Pulses	213,985	60,326	452,966	
Horse beans	151,686	23,165	233,678	10.09
Field peas	45,514	7,978	65,698	8.23
Haricot beans	28,926	*	*	*
Chick-peas	24,623	7,467	52,088	6.98
Lentils	*	*	*	*
Vetch	43,131	11,632	43,894	3.77
Soya beans	-	-	-	-
Fenugreek	4,816	*	*	*
Gibto	33,216	5,307	22,388	4.22
Oilseeds	212,495	62,411	357,879	
Neug	117,620	49,981	203,117	4.06
Linseed	30,847	3,246	11,333	3.49
Groundnuts	*	*	-	-
Safflower	*	*	*	*
Sesame	*	*	*	*
Rape seed	140,046	9,061	141,779	15.65
Vegetables	225,346	6,572	80,783	
Lettuce	-	-	-	-
Head cabbage	*	*	*	*
Ethiopian cabbage	*	*	*	*
Tomatoes	*	*	*	*
Green peppers	*	*	*	*
Red peppers	212,121	6,334	57,381	9.06
Swiss chard	-	-	-	-
Root crops	164,115	2,688	263,811	
Beetroot	*	*	-	-
Carrot	*	*	-	-
Onion	30,029	630	55,828	88.55
Potatoes	35,437	1,210	116,615	96.36
Garlic	117,435	682	91,368	133.99
Taro / 'Godere'	-	-	-	-
Sweet potatoes	*	*	-	-
Fruit crops	*	*	*	
Avocados	-	-	-	-
Bananas	*	*	*	*
Guavas	*	*	-	-
Lemons	6,865	*	-	-
Mangoes	*	*	-	-
Oranges	*	*	-	-
Papayas	*	*	*	*
Pineapples	-	-	-	-
Chat	14,819	*	-	-
Coffee	25,917	*	*	*
Hops	164,310	2,040	6,172	3.03
Sugar cane	*	*	-	-

Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2003/2004 (1996 E.C)

Waghamera

Crop	Number of holders	Area in hectare	Production in quintals	Yield (qt / ha)
Grain	74,141	78,999	572,776	
Cereals	73,756	63,785	447,405	
Teff	58,976	23,381	125,860	5.38
Barley	47,539	13,394	121,372	9.06
Wheat	32,664	8,954	72,848	8.14
Maize	43,815	1,810	15,916	8.8
Sorghum	32,552	15,697	107,037	6.82
Finger millet	2,642	496	4,372	8.81
Oats / 'Aja'	*	*	-	-
Rice	*	*	-	-
Pulses	48,579	13,127	116,572	
Horse beans	34,892	7,248	76,955	10.62
Field peas	17,556	2,728	22,924	8.4
Haricot beans	4,552	392	1,538	3.92
Chick-peas	4,503	751	5,374	7.15
Lentils	14,191	1,978	9,642	4.88
Vetch	-	-	-	-
Soya beans	-	-	-	-
Fenugreek	2,646	29	139	4.8
Gibto	-	-	-	-
Oilseeds	27,438	2,088	8,799	
Neug	5,039	379	1,182	3.12
Linseed	19,441	1,047	4,300	4.11
Groundnuts	*	*	-	-
Safflower	8,333	470	3,036	6.45
Sesame	2,597	*	*	*
Rape seed	*	*	*	*
Vegetables	1,960	*	-	
Lettuce	-	-	-	-
Head cabbage	*	*	-	-
Ethiopian cabbage	*	*	-	-
Tomatoes	*	*	-	-
Green peppers	1,103	1	-	-
Red peppers	668	*	-	-
Swiss chard	-	-	-	-
Root crops	5,099	40	*	
Beetroot	-	-	-	-
Carrot	-	-	-	-
Onion	*	*	-	-
Potatoes	*	*	*	*
Garlic	3,354	*	*	*
Taro / 'Godere'	-	-	-	-
Sweet potatoes	-	-	-	-
Fruit crops	2,455	*	-	
Avocados	*	-	-	-
Bananas	*	*	-	-
Guavas	*	*	-	-
Lemons	612	*	-	-
Mangoes	-	-	-	-
Oranges	*	*	-	-
Papayas	694	*	-	-
Pineapples	-	-	-	-
Chat	-	-	-	-
Coffee	*	*	-	-
Hops	3,526	*	-	-
Sugar cane	-	-	-	-

Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2003/2004 (1996 E.C)

Awi

Crop	Number of holders	Area in hectare	Production in quintals	Yield (qt / ha)
Grain	158,082	190,987	1,972,649	
Cereals	156,213	148,366	1,769,677	
Teff	89,036	48,330	342,958	7.1
Barley	57,270	16,968	187,333	11.04
Wheat	26,265	6,712	77,024	11.48
Maize	138,275	33,646	720,947	21.43
Sorghum	*	*	*	*
Finger millet	54,519	39,051	377,651	9.67
Oats / 'Aja'	1,230	*	*	*
Rice	*	*	-	-
Pulses	62,712	11,238	60,133	
Horse beans	19,610	2,837	22,112	7.79
Field peas	12,858	2,302	11,685	5.08
Haricot beans	8,527	*	*	*
Chick-peas	*	*	-	-
Lentils	-	-	-	-
Vetch	*	*	-	-
Soya beans	*	*	-	-
Fenugreek	21,415	192	437	2.28
Gibto	16,914	3,292	14,014	4.26
Oilseeds	78,672	31,382	142,839	
Neug	48,087	26,077	63,644	2.44
Linseed	7,358	856	1,107	1.29
Groundnuts	*	*	*	*
Safflower	*	*	-	-
Sesame	*	*	*	*
Rape seed	36,155	1,607	29,051	18.08
Vegetables	75,607	1,718	29,138	
Lettuce	*	*	-	-
Head cabbage	*	*	-	-
Ethiopian cabbage	18,712	113	9,919	88.02
Tomatoes	2,310	*	-	-
Green peppers	9,406	27	2,191	81.99
Red peppers	53,766	1,570	17,028	10.85
Swiss chard	-	-	-	-
Root crops	84,403	3,991	352,425	
Beetroot	*	*	-	-
Carrot	*	*	-	-
Onion	7,986	115	-	-
Potatoes	54,740	3,551	323,936	91.23
Garlic	39,601	215	28,489	132.49
Taro / 'Godere'	-	-	-	-
Sweet potatoes	6,954	*	-	-
Fruit crops	20,604	*	-	
Avocados	*	*	-	-
Bananas	8,856	45	-	-
Guavas	*	*	-	-
Lemons	5,432	13	-	-
Mangoes	*	*	-	-
Oranges	*	*	-	-
Papayas	4,098	*	-	-
Pineapples	-	-	-	-
Chat	2,978	*	-	-
Coffee	19,876	*	*	*
Hops	67,409	494	1,244	2.52
Sugar cane	7,107	*	-	-

Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2003/2004 (1996 E.C)

Oromia Zone

Crop	Number of holders	Area in hectare	Production in quintals	Yield (qt / ha)
Grain	70,480	55,771	637,469	
Cereals	70,070	50,236	598,864	
Teff	32,679	9,981	86,064	8.62
Barley	6,881	696	6,921	9.95
Wheat	*	*	*	*
Maize	53,180	6,243	104,013	16.66
Sorghum	57,241	33,030	399,866	12.11
Finger millet	*	*	*	*
Oats / 'Aja'	*	*	*	*
Rice	*	*	*	*
Pulses	25,918	3,081	25,162	
Horse beans	*	*	*	*
Field peas	5,063	*	*	*
Haricot beans	18,381	1,391	10,626	7.64
Chick-peas	3,423	660	3,564	5.4
Lentils	*	*	*	*
Vetch	*	*	-	-
Soya beans	-	-	-	-
Fenugreek	849	*	*	*
Gibto	*	*	-	-
Oilseeds	24,597	2,454	13,444	
Neug	3,571	192	*	*
Linseed	4,445	97	*	*
Groundnuts	*	*	*	*
Safflower	5,123	*	1,128	*
Sesame	14,960	1,858	9,681	5.21
Rape seed	2,537	85	997	11.74
Vegetables	10,738	*	5,117	
Lettuce	-	-	-	-
Head cabbage	*	*	-	-
Ethiopian cabbage	2,518	20	1,937	99
Tomatoes	*	*	-	-
Green peppers	*	*	*	*
Red peppers	7,733	*	*	*
Swiss chard	-	-	-	-
Root crops	4,734	*	-	
Beetroot	*	*	-	-
Carrot	-	-	-	-
Onion	3,148	*	-	-
Potatoes	-	-	-	-
Garlic	2,906	*	-	-
Taro / 'Godere'	-	-	-	-
Sweet potatoes	*	*	-	-
Fruit crops	18,492	176	1,037	
Avocados	*	*	-	-
Bananas	4,135	23	157	6.92
Guavas	5,355	54	494	9.2
Lemons	3,386	*	-	-
Mangoes	1,292	*	-	-
Oranges	2,405	11	118	10.69
Papayas	9,286	45	268	5.99
Pineapples	-	-	-	-
Chat	13,412	579	783	1.35
Coffee	12,315	386	802	2.08
Hops	*	*	-	-
Sugar cane	3,073	*	-	-

Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2003/2004 (1996 E.C)

Oromia Region

Crop	Number of holders	Area in hectare	Production in quintals	Yield (qt / ha)
Grain	3,978,818	3.808,081	50,865,974	
Cereals	3,909,652	3,168,456	45,713,702	
Teff	1,656,052	820,135	7,044,555	8.59
Barley	1,202,608	412,329	5,490,747	13.32
Wheat	1,422,114	556,354	9,128,645	16.41
Maize	2,843,288	786,365	15,515,581	19.73
Sorghum	1,688,164	500,943	7,566,266	15.1
Finger millet	350,988	71,966	673,669	9.36
Oats / 'Aja'	142,812	19,998	292,061	14.6
Rice	5,061	367	*	*
Pulses	1,976,256	374,231	3,697,507	
Horse beans	974,811	132,865	1,455,882	10.96
Field peas	384,889	70,063	551,277	7.87
Haricot beans	861,310	91,766	984,136	10.72
Chick-peas	159,643	42,444	380,113	8.96
Lentils	120,907	9,897	54,654	5.52
Vetch	113,332	20,064	222,136	11.07
Soya beans	5,183	*	*	*
Fenugreek	200,087	6,507	47,322	7.27
Gibto	2,055	*	-	-
Oilseeds	992,579	265,394	1,454,765	
Neug	360,860	117,736	518,101	4.4
Linseed	396,824	102,326	623,046	6.09
Groundnuts	76,703	12,653	118,554	9.37
Safflower	24,637	988	*	*
Sesame	101,385	25,520	143,759	5.63
Rape seed	180,574	6,171	45,777	7.42
Vegetables	1,501,808	31,940	1,822,822	
Lettuce	11,488	*	*	*
Head cabbage	86,609	1,238	49,496	39.98
Ethiopian cabbage	895,484	8,867	790,070	89.1
Tomatoes	47,632	2,840	*	*
Green peppers	362,304	3,000	284,192	94.72
Red peppers	405,354	15,871	212,602	13.4
Swiss chard	9,343	20	1,008	49.51
Root crops	1,485,047	59,909	6,777,133	
Beetroot	118,733	845	112,199	132.71
Carrot	43,768	*	69,340	*
Onion	384,635	10,244	1,397,159	136.39
Potatoes	397,503	22,955	2,560,427	111.54
Garlic	403,165	4,237	619,353	146.16
Taro / 'Godere'	274,003	7,619	577,302	75.77
Sweet potatoes	393,195	13,416	1,441,353	107.43
Fruit crops	773,827	13,807	672,248	
Avocados	46,546	393	16,559	42.09
Bananas	561,751	9,233	463,184	50.16
Guavas	60,700	633	8,540	13.49
Lemons	29,145	136	3,013	22.18
Mangoes	184,891	1,730	79,927	46.2
Oranges	111,916	776	57,150	73.61
Papayas	133,134	869	43,523	50.07
Pineapples	3,674	36	*	*
Chat	1,035,555	75,196	543,737	7.23
Coffee	987,758	152,947	866,985	5.67
Hops	413,727	3,871	97,463	25.18
Sugar cane	215,245	4,570	360,852	78.96

Area, Production and Yield of Crops for Private Peasant Holdings for Meher Season 2003/2004 (1996 E.C)

West Welega

Crop	Number of holders	Area in hectare	Production in quintals	Yield (qt / ha)
Grain	328,005	274,715	3,584,600	
Cereals	326,598	226,910	3,321,700	
Teff	89,731	23,365	179,113	7.67
Barley	50,952	2,961	24,165	8.16
Wheat	96,999	14,392	178,848	12.43
Maize	312,944	92,029	1,795,239	19.51
Sorghum	241,412	58,011	796,182	13.72
Finger millet	156,920	36,142	348,063	9.63
Oats / 'Aja'	*	*	*	*
Rice	-	-	-	-
Pulses	198,489	22,872	174,436	
Horse beans	82,966	6,867	69,817	10.17
Field peas	31,286	2,668	18,229	6.83
Haricot beans	151,180	11,070	76,093	6.87
Chick-peas	10,601	1,567	7,396	4.72
Lentils	*	*	-	-
Vetch	6,009	*	*	*
Soya beans	*	*	*	*
Fenugreek	14,982	170	793	4.65
Gibto	*	*	-	-
Oilseeds	123,754	24,934	88,464	
Neug	92,781	22,111	73,750	3.34
Linseed	11,302	437	1,655	3.79
Groundnuts	4,430	*	*	*
Safflower	*	*	-	-
Sesame	18,176	1,590	7,135	4.49
Rape seed	16,980	644	5,292	8.22
Vegetables	149,905	3,111	86,557	
Lettuce	-	-	-	-
Head cabbage	2,578	*	*	*
Ethiopian cabbage	32,257	*	*	*
Tomatoes	*	*	-	-
Green peppers	14,342	96	7,798	81.06
Red peppers	116,681	2,627	40,702	15.49
Swiss chard	*	*	-	-
Root crops	145,169	3,345	326,647	
Beetroot	6,141	13	1,559	123.56
Carrot	3,741	*	*	*
Onion	6,048	49	5,324	109.47
Potatoes	58,856	1,293	124,866	96.59
Garlic	28,435	99	12,893	130.16
Taro / 'Godere'	27,970	178	14,114	79.16
Sweet potatoes	83,086	1,706	166,960	97.84
Fruit crops	183,476	3,569	185,066	
Avocados	*	*	*	*
Bananas	154,264	2,627	137,556	52.36
Guavas	*	*	*	*
Lemons	2,343	13	207	15.45
Mangoes	54,393	661	35,041	53.05
Oranges	26,877	167	6,285	37.65
Papayas	10,919	24	2,631	108
Pineapples	*	*	-	-
Chat	63,854	1,828	16,606	9.08
Coffee	239,164	49,561	214,476	4.33
Hops	44,644	266	2,631	9.89
Sugar cane	6,135	254	18,191	71.71

Area, Production and Yield of Crops for Private Peasant Holdings for Meher Season 2003/2004 (1996 E.C)

East Welega

Crop	Number of holders	Area in hectare	Production in quintals	Yield (qt / ha)
Grain	275,003	387,122	4,518,164	
Cereals	267,301	281,347	3,925,830	
Teff	144,261	87,291	645,661	7.4
Barley	71,509	18,933	209,343	11.06
Wheat	82,764	29,540	498,104	16.86
Maize	233,687	87,690	1,790,953	20.42
Sorghum	101,041	36,561	599,086	16.39
Finger millet	75,338	21,001	179,809	8.56
Oats / 'Aja'	4,326	*	2,873	*
Rice	*	*	-	-
Pulses	129,968	21,972	176,364	
Horse beans	95,169	11,715	112,438	9.6
Field peas	33,077	7,799	39,581	5.08
Haricot beans	25,365	2,138	22,884	10.7
Chick-peas	*	*	*	*
Lentils	*	*	-	-
Vetch	-	-	-	-
Soya beans	-	-	-	-
Fenugreek	19,169	214	*	*
Gibto	-	-	-	-
Oilseeds	166,385	83,804	415,970	
Neug	119,116	58,666	258,161	4.4
Linseed	8,603	954	*	*
Groundnuts	*	*	*	*
Safflower	*	*	*	*
Sesame	45,348	20,859	126,332	6.06
Rape seed	26,652	1,321	12,717	9.63
Vegetables	105,353	2,375	64,452	
Lettuce	*	*	-	-
Head cabbage	*	*	-	-
Ethiopian cabbage	12,035	323	24,062	74.59
Tomatoes	*	*	-	-
Green peppers	37,123	293	24,090	82.35
Red peppers	59,593	1,724	16,299	9.45
Swiss chard	*	*	-	-
Root crops	102,521	1,451	154,009	
Beetroot	13,536	37	4,127	112.35
Carrot	3,157	6	613	104.49
Onion	17,961	*	*	*
Potatoes	41,359	750	68,918	91.93
Garlic	59,527	398	51,997	130.51
Taro / 'Godere'	1,263	*	*	*
Sweet potatoes	10,749	103	8,442	82
Fruit crops	56,942	673	29,499	
Avocados	-	-	-	-
Bananas	42,055	393	10,165	25.87
Guavas	-	-	-	-
Lemons	*	*	*	*
Mangoes	17,289	215	13,934	64.86
Oranges	*	*	*	*
Papayas	6,455	30	4,125	136.45
Pineapples	-	-	-	-
Chat	17,968	*	*	*
Coffee	31,182	*	*	*
Hops	67,964	710	12,726	17.93
Sugar cane	3,207	16	821	50.37

Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2003/2004 (1996 E.C)

Illubabor

Crop	Number of holders	Area in hectare	Production in quintals	Yield (qt / ha)
Grain	193,844	178,657	2,176,442	
Cereals	191,897	154,825	2,043,762	
Teff	104,700	47,545	410,370	8.63
Barley	28,353	2,460	16,656	6.77
Wheat	38,401	4,133	37,186	9
Maize	174,151	67,865	1,171,244	17.26
Sorghum	114,492	25,720	341,008	13.26
Finger millet	43,249	7,038	66,791	9.49
Oats / 'Aja'	*	*	*	*
Rice	*	*	*	*
Pulses	122,379	17,744	112,314	
Horse beans	48,426	5,872	46,996	8
Field peas	26,930	5,782	33,817	5.85
Haricot beans	83,890	4,299	25,181	5.86
Chick-peas	7,643	*	5,034	*
Lentils	-	-	-	-
Vetch	-	-	-	-
Soya beans	*	*	*	*
Fenugreek	12,681	291	*	*
Gibto	-	-	-	-
Oilseeds	40,239	6,088	20,366	
Neug	23,064	4,542	12,114	2.67
Linseed	12,486	561	2,282	4.06
Groundnuts	*	*	*	*
Safflower	1,250	*	*	*
Sesame	6,673	*	*	*
Rape seed	*	*	*	*
Vegetables	122,118	2,581	78,265	
Lettuce	*	*	-	-
Head cabbage	15,304	52	5,397	104.38
Ethiopian cabbage	54,619	248	25,213	101.65
Tomatoes	1,135	*	-	-
Green peppers	45,423	247	20,826	84.33
Red peppers	55,860	1,959	26,661	13.61
Swiss chard	*	*	*	*
Root crops	93,891	1,252	128,983	
Beetroot	20,799	41	4,635	113.13
Carrot	4,482	7	823	112.11
Onion	30,151	216	23,789	110.09
Potatoes	5,720	*	*	*
Garlic	28,923	70	8,997	128.51
Taro / 'Godere'	33,251	323	26,832	83.14
Sweet potatoes	26,034	499	53,117	106.43
Fruit crops	84,330	1,039	37,833	
Avocados	3,044	9	-	-
Bananas	62,166	709	25,927	36.56
Guavas	2,547	*	*	*
Lemons	*	*	*	*
Mangoes	19,878	136	4,633	34.11
Oranges	8,729	*	*	*
Papayas	18,467	54	3,886	71.68
Pineapples	*	*	-	-
Chat	60,798	1,722	17,116	9.94
Coffee	99,706	24,773	123,778	5
Hops	20,780	131	1,717	13.15
Sugar cane	20,475	253	17,850	70.63

Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2003/2004 (1996 E.C)

Jimma

Crop	Number of holders	Area in hectare	Production in quintals	Yield (qt / ha)
Grain	461,088	397,311	4,778,098	
Cereals	454,579	349,728	4,395,039	
Teff	346,247	127,747	1,063,506	8.33
Barley	131,841	15,303	139,274	9.1
Wheat	154,264	39,342	439,874	11.18
Maize	305,564	113,665	2,128,619	18.73
Sorghum	240,335	47,806	555,855	11.63
Finger millet	31,603	4,621	52,665	11.4
Oats / 'Aja'	18,625	*	*	*
Rice	*	*	*	*
Pulses	240,543	35,135	293,739	
Horse beans	161,776	22,178	199,401	8.99
Field peas	58,438	10,799	87,425	8.1
Haricot beans	73,440	1,269	4,116	3.24
Chick-peas	*	*	*	*
Lentils	15,443	404	*	*
Vetch	-	-	-	-
Soya beans	*	*	-	-
Fenugreek	2,153	*	*	*
Gibto	-	-	-	-
Oilseeds	99,130	12,448	*	
Neug	37,512	9,951	*	*
Linseed	59,038	2,335	8,141	3.49
Groundnuts	*	*	*	*
Safflower	*	*	*	*
Sesame	*	*	*	*
Rape seed	7,871	*	372	*
Vegetables	338,512	4,176	294,067	
Lettuce	*	*	-	-
Head cabbage	25,111	128	-	-
Ethiopian cabbage	307,748	2,318	238,790	103
Tomatoes	1,653	*	-	-
Green peppers	79,784	449	42,185	93.96
Red peppers	30,434	*	*	*
Swiss chard	-	-	-	-
Root crops	254,396	8,214	652,618	
Beetroot	7,599	28	3,313	118.29
Carrot	3,156	*	*	*
Onion	18,917	96	11,347	118.8
Potatoes	25,194	595	58,708	98.7
Garlic	35,837	*	*	*
Taro / 'Godere'	197,893	6,996	526,094	75.2
Sweet potatoes	19,737	154	-	-
Fruit crops	208,431	2,964	224,124	
Avocados	19,642	*	*	*
Bananas	161,556	1,921	146,561	76.28
Guavas	27,375	*	*	*
Lemons	7,764	27	209	7.76
Mangoes	56,937	276	20,512	74.31
Oranges	53,001	325	36,862	113.59
Papayas	47,269	116	11,061	95.29
Pineapples	2,564	*	*	*
Chat	267,909	7,920	58,693	7.41
Coffee	247,561	37,435	288,100	7.7
Hops	19,437	146	3,327	22.78
Sugar cane	98,380	644	44,454	69.02

Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2003/2004 (1996 E.C)

West Shewa

Crop	Number of holders	Area in hectare	Production in quintals	Yield (qt / ha)
Grain	329,262	394,819	5,441,151	
Cereals	326,155	339,040	4,972,038	
Teff	176,889	95,438	967,064	10.13
Barley	159,327	63,163	804,511	12.74
Wheat	175,615	77,995	1,198,745	15.37
Maize	203,939	51,934	1,085,106	20.89
Sorghum	114,865	49,740	908,481	18.26
Finger millet	-	-	-	-
Oats / 'Aja'	12,202	628	7,210	11.47
Rice	*	*	*	*
Pulses	154,738	31,402	363,297	
Horse beans	119,481	18,871	228,601	12.11
Field peas	32,050	5,733	60,234	10.51
Haricot beans	16,522	*	*	*
Chick-peas	*	*	*	*
Lentils	8,704	732	*	*
Vetch	*	*	*	*
Soya beans	-	-	-	-
Fenugreek	10,396	*	*	*
Gibto	-	-	-	-
Oilseeds	95,601	24,377	105,816	
Neug	33,971	10,733	39,819	3.71
Linseed	44,828	12,051	57,226	4.75
Groundnuts	-	-	-	-
Safflower	*	*	-	-
Sesame	*	*	*	*
Rape seed	30,823	1,250	*	*
Vegetables	140,041	3,464	156,379	
Lettuce	*	*	-	-
Head cabbage	8,228	19	1,955	102.36
Ethiopian cabbage	63,360	523	51,110	97.8
Tomatoes	1,395	*	*	*
Green peppers	49,973	*	*	*
Red peppers	41,181	*	*	*
Swiss chard	2,032	*	*	*
Root crops	143,165	2,810	314,673	
Beetroot	19,965	69	9,262	133.73
Carrot	4,017	10	1,233	128.06
Onion	75,071	397	52,428	132.1
Potatoes	46,529	1,779	174,845	98.29
Garlic	74,170	371	58,849	158.5
Taro / 'Godere'	*	*	*	*
Sweet potatoes	*	*	*	*
Fruit crops	28,673	481	28,468	
Avocados	-	-	-	-
Bananas	15,031	349	18,066	51.74
Guavas	*	*	-	-
Lemons	5,348	*	*	*
Mangoes	*	*	*	*
Oranges	*	*	*	*
Papayas	*	*	*	*
Pineapples	-	-	-	-
Chat	19,580	*	*	*
Coffee	14,236	104	552	5.32
Hops	109,887	710	22,897	32.25
Sugar cane	10,236	*	*	*

Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2003/2004 (1996 E.C)

South West Shewa

Crop	Number of holders	Area in hectare	Production in quintals	Yield (qt / ha)
Grain	170,626	213,682	2,357,851	
Cereals	168,487	170,211	1,994,226	
Teff	131,056	104,300	1,017,411	9.75
Barley	52,449	14,161	164,162	11.59
Wheat	92,131	29,792	496,752	16.67
Maize	112,637	16,364	258,516	15.8
Sorghum	31,790	5,299	54,295	10.25
Finger millet	*	*	*	*
Oats / 'Aja'	2,391	213	2,063	9.7
Rice	*	*	-	-
Pulses	112,262	36,322	336,726	
Horse beans	65,794	7,304	70,968	9.72
Field peas	22,305	4,064	29,605	7.28
Haricot beans	16,084	*	*	*
Chick-peas	42,432	16,713	147,163	8.81
Lentils	6,414	520	2,620	5.04
Vetch	32,919	6,208	74,035	11.93
Soya beans	-	-	-	-
Fenugreek	6,003	296	1,503	5.08
Gibto	-	-	-	-
Oilseeds	36,610	7,150	26,899	
Neug	16,891	4,945	15,452	3.12
Linseed	9,156	1,951	9,803	5.03
Groundnuts	*	*	-	-
Safflower	*	*	-	-
Sesame	-	-	-	-
Rape seed	13,835	241	1,644	6.81
Vegetables	81,864	*	53,142	
Lettuce	*	*	-	-
Head cabbage	4,067	6	645	109.68
Ethiopian cabbage	65,515	353	35,195	99.76
Tomatoes	*	*	*	*
Green peppers	34,738	84	7,232	86.47
Red peppers	*	*	*	*
Swiss chard	1,829	2	295	152.64
Root crops	47,330	533	63,694	
Beetroot	9,103	20	2,596	128.52
Carrot	2,187	*	*	*
Onion	14,183	193	25,766	133.45
Potatoes	14,281	180	18,635	103.52
Garlic	20,357	71	10,492	146.77
Taro / 'Godere'	*	*	*	*
Sweet potatoes	*	*	*	*
Fruit crops	14,969	77	5,564	
Avocados	*	*	-	-
Bananas	9,821	45	2,507	55.8
Guavas	-	-	-	-
Lemons	2,221	*	*	*
Mangoes	*	*	-	-
Oranges	*	*	*	*
Papayas	773	*	*	*
Pineapples	-	-	-	-
Chat	28,594	1,317	10,705	8.13
Coffee	14,574	117	613	5.26
Hops	39,586	271	8,554	31.59
Sugar cane	9,837	45	4,081	89.92

Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2003/2004 (1996 E.C)

North Shewa

Crop	Number of holders	Area in hectare	Production in quintals	Yield (qt / ha)
Grain	228,740	323,784	3,175,312	
Cereals	226,395	268,472	2,709,337	
Teff	148,981	94,041	806,106	8.57
Barley	108,159	81,728	780,976	9.56
Wheat	109,891	41,726	447,926	10.73
Maize	84,302	5,305	56,265	10.61
Sorghum	71,291	44,486	608,950	13.69
Finger millet	-	-	-	-
Oats / 'Aja'	8,913	1,125	9,113	8.1
Rice	*	*	-	-
Pulses	131,736	44,689	415,607	
Horse beans	108,411	23,459	226,813	9.67
Field peas	45,429	5,979	49,136	8.22
Haricot beans	7,874	260	2,192	8.44
Chick-peas	14,272	4,197	33,323	7.94
Lentils	18,738	3,928	20,971	5.34
Vetch	27,717	6,522	79,406	12.17
Soya beans	-	-	-	-
Fenugreek	5,228	*	*	*
Gibto	-	-	-	-
Oilseeds	53,321	10,623	50,368	
Neug	20,986	4,005	22,003	5.49
Linseed	26,208	5,812	23,288	4.01
Groundnuts	-	-	-	-
Safflower	7,623	*	*	*
Sesame	*	*	-	-
Rape seed	11,170	143	716	5
Vegetables	48,626	392	30,250	
Lettuce	*	*	-	-
Head cabbage	*	*	-	-
Ethiopian cabbage	28,122	*	*	*
Tomatoes	1,902	*	-	-
Green peppers	14,118	68	6,052	88.99
Red peppers	5,048	51	661	13.06
Swiss chard	2,439	*	-	-
Root crops	52,476	303	43,139	
Beetroot	3,888	7	522	75.49
Carrot	4,526	3	-	-
Onion	12,880	46	5,634	123.3
Potatoes	4,314	41	4,629	112.39
Garlic	44,677	205	32,354	157.53
Taro / 'Godere'	-	-	-	-
Sweet potatoes	*	*	-	-
Fruit crops	4,969	*	*	
Avocados	*	*	-	-
Bananas	3,606	*	*	*
Guavas	-	-	-	-
Lemons	*	*	*	*
Mangoes	-	-	-	-
Oranges	*	*	*	*
Papayas	-	-	-	-
Rineapples	-	-	-	-
Chat	1,808	*	-	-
Coffee	*	*	*	*
Hops	34,744	279	6,063	21.76
Sugar cane	*	*	*	*

Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2003/2004 (1996 E.C)

East Shewa

Crop	Number of holders	Area in hectare	Production in quintals	Yield (qt / ha)
Grain	330,086	395,577	5,943,733	
Cereals	319,707	333,005	5,323,537	
Teff	170,569	125,419	1,002,224	7.99
Barley	61,749	13,006	193,169	14.85
Wheat	101,532	49,960	859,970	17.21
Maize	256,606	125,624	2,973,198	23.67
Sorghum	83,928	17,692	283,792	16.04
Finger millet	17,195	1,239	10,802	8.72
Oats / 'Aja'	*	*	*	*
Rice	-	-	-	-
Pulses	187,155	60,796	614,566	
Horse beans	49,024	4,125	49,205	11.93
Field peas	18,440	4,156	28,236	6.79
Haricot beans	139,806	34,339	338,691	9.86
Chick-peas	32,255	12,551	143,876	11.46
Lentils	14,985	1,165	5,425	4.65
Vetch	25,233	3,537	44,129	12.48
Soya beans	-	-	-	-
Fenugreek	9,818	732	5,004	6.84
Gibto	*	*	-	-
Oilseeds	46,101	1,777	5,629	
Neug	*	*	-	-
Linseed	5,912	238	*	*
Groundnuts	-	-	-	-
Safflower	3,930	72	-	-
Sesame	12,410	937	2,739	2.92
Rape seed	27,493	525	2,132	4.06
Vegetables	98,594	2,292	244,560	
Lettuce	*	*	-	-
Head cabbage	*	*	*	*
Ethiopian cabbage	70,917	792	87,006	109.83
Tomatoes	6,017	*	*	*
Green peppers	28,135	281	31,938	113.7
Red peppers	11,573	*	*	*
Swiss chard	-	-	-	-
Root crops	69,513	8,413	1,078,757	
Beetroot	*	*	*	*
Carrot	*	*	*	*
Onion	22,400	813	98,265	120.86
Potatoes	41,953	7,078	928,948	131.25
Garlic	11,769	38	4,666	124.25
Taro / 'Godere'	-	-	-	-
Sweet potatoes	1,826	*	*	*
Fruit crops	7,501	12	*	
Avocados	*	*	*	*
Bananas	*	*	*	*
Guavas	*	*	-	-
Lemons	-	-	-	-
Mangoes	*	*	-	-
Oranges	*	*	-	-
Papayas	*	*	-	-
Pineapples	-	-	-	-
Chat	*	*	-	-
Coffee	*	*	*	*
Hops	26,092	582	20,980	36.07
Sugar cane	*	*	-	-

Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2003/2004 (1996 E.C)

Arsi

Crop	Number of holders	Area in hectare	Production in quintals	Yield (qt / ha)
Grain	488,186	516,170	8,471,248	
Cereals	476,293	420,241	7,557,134	
Teff	167,290	73,178	639,689	8.74
Barley	228,802	104,059	1,707,602	16.41
Wheat	268,753	149,391	2,987,505	20
Maize	304,824	66,447	1,460,934	21.99
Sorghum	86,673	25,655	741,836	28.92
Finger millet	-	-	-	-
Oats / 'Aja'	20,267	1,511	19,567	12.95
Rice	-	-	-	-
Pulses	214,754	44,775	548,064	
Horse beans	128,680	19,574	288,632	14.75
Field peas	46,068	9,447	91,008	9.63
Haricot beans	69,357	*	147,674	*
Chick-peas	*	*	*	*
Lentils	17,061	901	5,969	6.62
Vetch	*	*	*	*
Soya beans	-	-	-	-
Fenugreek	24,676	1,329	9,642	7.26
Gibto	-	-	-	-
Oilseeds	141,181	51,154	366,051	
Neug	*	*	*	*
Linseed	111,222	46,938	339,058	7.22
Groundnuts	*	*	*	*
Safflower	*	*	-	-
Sesame	*	*	-	-
Rape seed	24,853	*	*	*
Vegetables	145,007	5,736	*	
Lettuce	*	*	-	-
Head cabbage	11,012	*	-	-
Ethiopian cabbage	81,849	1,022	-	-
Tomatoes	*	*	*	*
Green peppers	21,051	457	40,666	88.93
Red peppers	30,450	*	*	*
Swiss chard	*	*	-	-
Root crops	164,801	12,777	1,590,645	
Beetroot	22,987	213	25,466	119.45
Carrot	8,216	*	*	*
Onion	82,664	*	*	*
Potatoes	51,818	4,805	489,342	101.84
Garlic	62,607	1,712	238,525	139.3
Taro / 'Godere'	-	-	-	-
Sweet potatoes	*	*	*	*
Fruit crops	*	*	*	
Avocados	*	*	-	-
Bananas	*	*	*	*
Guavas	*	*	*	*
Lemons	-	-	-	-
Mangoes	*	*	-	-
Oranges	*	*	*	*
Papayas	*	*	*	*
Pineapples	-	-	-	-
Chat	27,869	1,650	3,339	2.02
Coffee	25,783	*	*	*
Hops	34,650	479	13,285	27.76
Sugar cane	10,005	*	*	*

Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2003/2004 (1996 E.C)

West Hararge

Crop	Number of holders	Area in hectare	Production in quintals	Yield (qt / ha)
Grain	292,481	185,764	2,715,126	
Cereals	290,974	168,762	2,491,289	
Teff	54,642	9,047	132,563	14.65
Barley	48,051	3,324	37,171	11.18
Wheat	36,457	3,872	57,649	14.89
Maize	246,258	54,259	885,818	16.33
Sorghum	247,683	96,174	1,360,491	14.15
Finger millet	21,432	1,594	13,763	8.63
Oats / 'Aja'	7,652	490	3,832	7.82
Rice	*	*	-	-
Pulses	124,595	13,572	192,062	
Horse beans	15,667	1,802	*	*
Field peas	*	*	*	*
Haricot beans	86,124	8,812	147,983	16.79
Chick-peas	10,971	972	7,562	7.78
Lentils	11,756	639	2,523	3.95
Vetch	*	*	*	*
Soya beans	-	-	-	-
Fenugreek	25,816	771	4,431	5.75
Gibto	-	-	-	-
Oilseeds	47,591	3,431	*	
Neug	*	*	-	-
Linseed	19,555	693	4,998	7.21
Groundnuts	18,003	*	*	*
Safflower	3,509	*	*	*
Sesame	6,410	342	*	*
Rape seed	*	*	*	*
Vegetables	48,888	*	*	
Lettuce	-	-	-	-
Head cabbage	-	-	-	-
Ethiopian cabbage	*	*	*	*
Tomatoes	*	*	-	-
Green peppers	6,427	*	*	*
Red peppers	36,629	*	*	*
Swiss chard	-	-	-	-
Root crops	81,786	3,557	433,517	
Beetroot	*	*	-	-
Carrot	*	*	-	-
Onion	22,034	648	81,311	125.55
Potatoes	*	*	*	*
Garlic	*	*	*	*
Taro / 'Godere'	-	-	-	-
Sweet potatoes	64,903	2,820	346,853	123
Fruit crops	41,742	880	17,081	
Avocados	*	*	-	-
Bananas	19,685	271	10,928	40.27
Guavas	11,893	*	*	*
Lemons	1,272	*	*	*
Mangoes	3,603	*	*	*
Oranges	4,954	*	*	*
Papayas	11,421	220	2,386	10.85
Pineapples	-	-	-	-
Chat	185,471	20,188	86,238	4.27
Coffee	108,528	11,752	17,994	1.53
Hops	2,909	57	774	13.47
Sugar cane	11,466	172	8,976	52.22

Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2003/2004 (1996 E.C)

East Harerge

Crop	Number of holders	Area in hectare	Production in quintals	Yield (qt / ha)
Grain	396,510	170,175	2,608,150	
Cereals	396,106	146,825	2,310,896	
Teff	36,059	3,084	17,894	5.8
Barley	54,901	2,936	36,727	12.51
Wheat	100,295	9,735	113,063	11.61
Maize	320,584	42,505	840,146	19.77
Sorghum	326,528	87,462	1,292,986	14.78
Finger millet	*	*	*	*
Oats / 'Aja'	14,630	*	8,638	*
Rice	*	*	*	*
Pulses	181,432	13,789	209,354	
Horse beans	23,346	2,286	28,563	12.5
Field peas	*	*	*	*
Haricot beans	129,727	8,114	152,915	18.85
Chick-peas	11,940	510	*	*
Lentils	17,866	739	3,759	5.09
Vetch	-	-	-	-
Soya beans	-	-	-	-
Fenugreek	61,651	1,303	12,362	9.49
Gibto	*	*	-	-
Oilseeds	77,835	9,561	87,901	
Neug	-	-	-	-
Linseed	35,152	1,016	8,266	8.13
Groundnuts	41,963	8,412	*	*
Safflower	*	*	-	-
Sesame	*	*	*	*
Rape seed	*	*	*	*
Vegetables	29,971	684	74,151	
Lettuce	*	*	*	*
Head cabbage	6,950	*	*	*
Ethiopian cabbage	*	*	-	-
Tomatoes	7,998	196	32,085	164.06
Green peppers	7,031	*	*	*
Red peppers	*	*	*	*
Swiss chard	*	*	-	-
Root crops	197,493	11,582	1,428,066	
Beetroot	*	*	*	*
Carrot	*	*	*	*
Onion	32,384	885	133,750	151.2
Potatoes	63,855	4,062	516,123	127.05
Garlic	18,077	332	57,666	173.57
Taro / 'Godere'	-	-	-	-
Sweet potatoes	133,356	5,954	650,460	109.25
Fruit crops	57,572	867	23,634	
Avocados	*	*	-	-
Bananas	27,596	274	14,590	53.22
Guavas	10,032	90	1,251	13.85
Lemons	*	*	*	*
Mangoes	14,162	*	*	*
Oranges	*	*	-	-
Papayas	11,255	161	4,765	29.55
Pineapples	-	-	-	-
Chat	330,541	35,644	331,450	9.3
Coffee	87,293	2,574	18,872	7.33
Hops	*	*	*	*
Sugar cane	8,911	101	9,880	97.79

Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2003/2004 (1996 E.C)

Bale

Crop	Number of holders	Area in hectare	Production in quintals	Yield (qt / ha)
Grain	262,317	269,404	3,840,631	
Cereals	255,992	222,634	3,506,135	
Teff	53,596	20,608	108,086	5.24
Barley	129,922	64,678	1,093,937	16.91
Wheat	129,762	96,797	1,715,462	17.72
Maize	117,505	22,117	348,020	15.74
Sorghum	19,340	4,809	17,525	3.64
Finger millet	*	*	-	-
Oats / 'Aja'	51,116	13,502	223,105	16.52
Rice	-	-	-	-
Pulses	79,658	16,823	168,776	
Horse beans	39,703	5,900	81,689	13.85
Field peas	28,937	6,565	60,527	9.22
Haricot beans	12,315	*	*	*
Chick-peas	3,926	*	*	*
Lentils	8,166	778	6,481	8.33
Vetch	*	*	*	*
Soya beans	*	*	*	*
Fenugreek	7,102	540	3,233	5.99
Gibto	-	-	-	-
Oilseeds	58,813	29,947	165,721	
Neug	*	*	575	*
Linseed	53,055	29,336	165,055	5.63
Groundnuts	-	-	-	-
Safflower	*	*	-	-
Sesame	*	*	-	-
Rape seed	4,487	28	91	3.19
Vegetables	80,953	1,130	110,063	
Lettuce	*	*	-	-
Head cabbage	5,322	*	*	*
Ethiopian cabbage	69,203	716	81,593	114
Tomatoes	-	-	-	-
Green peppers	8,250	*	*	*
Red peppers	6,603	*	*	*
Swiss chard	-	-	-	-
Root crops	74,842	3,690	373,510	
Beetroot	*	*	-	-
Carrot	*	*	*	*
Onion	35,448	*	*	*
Potatoes	33,329	*	*	*
Garlic	14,246	*	*	*
Taro / 'Godere'	-	-	-	-
Sweet potatoes	6,174	*	*	*
Fruit crops	18,768	685	30,884	
Avocados	*	*	-	-
Bananas	11,975	499	25,392	50.93
Guavas	*	*	*	*
Lemons	-	-	-	-
Mangoes	*	*	*	*
Oranges	*	*	*	*
Papayas	8,166	87	4,165	47.8
Pineapples	-	-	-	-
Chat	14,783	*	*	*
Coffee	19,383	*	*	*
Hops	7,574	*	*	*
Sugar cane	*	*	*	*

Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2003/2004 (1996 E.C)

Borena

Crop	Number of holders	Area in hectare	Production in quintals	Yield (qt / ha)
Grain	64,664	16,624	205,544	
Cereals	57,055	13,063	191,173	
Teff	6,570	907	9,368	10.33
Barley	9,669	808	3,344	4.14
Wheat	2,201	178	*	*
Maize	49,103	9,752	172,249	17.66
Sorghum	7,084	*	*	*
Finger millet	-	-	-	-
Oats / 'Aja'	-	-	-	-
Rice	-	-	-	-
Pulses	30,629	3,521	14,158	
Horse beans	4,325	*	1,927	*
Field peas	*	*	-	-
Haricot beans	26,743	3,192	12,120	3.8
Chick-peas	1,119	25	*	*
Lentils	-	-	-	-
Vetch	-	-	-	-
Soya beans	-	-	-	-
Fenugreek	-	-	-	-
Gibto	-	-	-	-
Oilseeds	2,277	40	*	
Neug	-	-	-	-
Linseed	-	-	-	-
Groundnuts	*	*	-	-
Safflower	*	*	-	-
Sesame	-	-	-	-
Rape seed	1,399	37	*	*
Vegetables	26,549	400	41,010	
Lettuce	-	-	-	-
Head cabbage	*	*	-	-
Ethiopian cabbage	23,209	363	37,730	104
Tomatoes	671	*	-	-
Green peppers	5,611	34	3,280	95.68
Red peppers	*	*	-	-
Swiss chard	-	-	-	-
Root crops	20,124	947	90,900	
Beetroot	-	-	-	-
Carrot	*	*	-	-
Onion	*	*	-	-
Potatoes	*	*	*	*
Garlic	*	*	*	*
Taro / 'Godere'	*	59	4,939	84.02
Sweet potatoes	14,706	*	*	*
Fruit crops	22,513	923	32,458	
Avocados	6,908	72	3,229	44.98
Bananas	16,252	771	26,737	34.66
Guavas	*	13	206	16.08
Lemons	-	-	-	-
Mangoes	*	*	-	-
Oranges	*	*	*	*
Papayas	4,038	34	2,106	61.06
Pineapples	-	-	-	-
Chat	7,189	*	*	*
Coffee	45,858	7,277	70,313	9.66
Hops	*	*	*	*
Sugar cane	11,357	774	57,299	74.03

Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2003/2004 (1996 E.C)

Guji

Crop	Number of holders	Area in hectare	Production in quintals	Yield (qt / ha)
Grain	158,009	84,279	1,049,924	
Cereals	152,113	73,395	971,608	
Teff	25,462	8,166	45,500	5.57
Barley	66,921	24,810	279,709	11.27
Wheat	33,049	9,501	97,008	10.21
Maize	121,185	30,808	549,273	17.83
Sorghum	1,703	*	119	*
Finger millet	-	-	-	-
Oats / 'Aja'	-	-	-	-
Rice	-	-	-	-
Pulses	67,918	10,822	78,043	
Horse beans	32,043	2,620	24,818	9.47
Field peas	25,822	5,667	44,542	7.86
Haricot beans	22,882	*	7,887	*
Chick-peas	3,075	*	*	*
Lentils	*	*	-	-
Vetch	-	-	-	-
Soya beans	-	-	-	-
Fenugreek	*	*	-	-
Gibto	-	-	-	-
Oilseeds	3,742	62	273	
Neug	-	-	-	-
Linseed	*	*	-	-
Groundnuts	-	-	-	-
Safflower	*	*	-	-
Sesame	-	-	-	-
Rape seed	3,037	55	273	4.95
Vegetables	85,425	1,699	153,177	
Lettuce	-	-	-	-
Head cabbage	*	*	-	-
Ethiopian cabbage	82,283	1,545	146,816	95
Tomatoes	-	-	-	-
Green peppers	10,297	70	5,847	84.07
Red peppers	*	*	*	*
Swiss chard	*	*	-	-
Root crops	37,539	1,035	97,975	
Beetroot	*	*	-	-
Carrot	-	-	-	-
Onion	14,353	240	33,115	137.7
Potatoes	5,208	*	*	*
Garlic	*	*	*	*
Taro / 'Godere'	2,302	21	1,670	80.02
Sweet potatoes	16,738	445	41,816	94.03
Fruit crops	29,760	1,375	42,832	
Avocados	3,597	*	*	*
Bananas	26,905	1,255	38,334	30.54
Guavas	-	-	-	-
Lemons	*	*	-	-
Mangoes	*	*	-	-
Oranges	*	*	*	*
Papayas	*	*	-	-
Pineapples	-	-	-	-
Chat	7,999	352	819	2.33
Coffee	47,974	9,083	68,963	7.59
Hops	3,673	*	*	*
Sugar cane	18,547	776	55,750	71.87

Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2003/2004 (1996 E.C)

Somali Region

Crop	Number of holders	Area in hectare	Production in quintals	Yield (qt / ha)
Grain	84,340	70,501	563,854	
Cereals	83,954	67,731	553,334	
Teff	*	*	*	*
Barley	22,149	4,012	41,925	10.45
Wheat	35,292	10,128	118,573	11.71
Maize	71,241	22,046	116,145	5.27
Sorghum	61,758	31,008	270,368	8.72
Finger millet	*	*	-	-
Oats / 'Aja'	6,577	470	6,321	13.45
Rice	-	-	-	-
Pulses	19,699	2,531	10,112	
Horse beans	*	*	-	-
Field peas	2,186	*	*	*
Haricot beans	12,520	1,744	*	*
Chick-peas	1,948	161	197	1.22
Lentils	1,681	*	*	*
Vetch	-	-	-	-
Soya beans	-	-	-	-
Fenugreek	3,610	272	514	1.89
Gibto	-	-	-	-
Oilseeds	5,255	240	409	
Neug	*	*	-	-
Linseed	4,540	210	401	1.91
Groundnuts	-	-	-	-
Safflower	-	-	-	-
Sesame	*	*	7	*
Rape seed	*	*	*	*
Vegetables	2,241	140	1,254	
Lettuce	-	-	-	-
Head cabbage	*	*	-	-
Ethiopian cabbage	*	*	-	-
Tomatoes	1,709	*	1,254	*
Green peppers	679	12	-	-
Red peppers	*	*	-	-
Swiss chard	-	-	-	-
Root crops	12,236	906	73,896	
Beetroot	*	*	-	-
Carrot	*	*	-	-
Onion	3,075	126	19,774	156.96
Potatoes	1,132	*	*	*
Garlic	4,678	260	47,185	181.5
Taro / 'Godere'	-	-	-	-
Sweet potatoes	5,779	493	4,313	8.76
Fruit crops	4,901	384	22,381	
Avocados	*	*	-	-
Bananas	1,303	95	6,545	68.59
Guavas	609	12	109	9.4
Lemons	1,667	72	2,448	33.88
Mangoes	2,041	88	-	-
Oranges	995	79	13,087	164.75
Papayas	1,693	*	193	*
Pineapples	*	*	-	-
Chat	36,972	7,984	104,138	13.04
Coffee	243	*	66	*
Hops	-	-	-	-
Sugar cane	87	2	152	94.71

Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2003/2004 (1996 E.C)

Shinele

Crop	Number of holders	Area in hectare	Production in quintals	Yield (qt / ha)
Grain	2,893	1,141	8,619	
Cereals	2,893	1,139	8,610	
Teff	*	*	*	*
Barley	*	*	-	-
Wheat	*	*	-	-
Maize	1,257	86	735	8.51
Sorghum	2,701	1,052	7,875	7.49
Finger millet	-	-	-	-
Oats / 'Aja'	-	-	-	-
Rice	-	-	-	-
Pulses	27	*	*	
Horse beans	-	-	-	-
Field peas	*	*	-	-
Haricot beans	*	*	*	*
Chick-peas	-	-	-	-
Lentils	*	*	-	-
Vetch	-	-	-	-
Soya beans	-	-	-	-
Fenugreek	-	-	-	-
Gibto	-	-	-	-
Oilseeds	78	2	7	
Neug	-	-	-	-
Linseed	-	-	-	-
Groundnuts	-	-	-	-
Safflower	-	-	-	-
Sesame	78	2	7	3.93
Rape seed	-	-	-	-
Vegetables	361	17	1,254	
Lettuce	-	-	-	-
Head cabbage	-	-	-	-
Ethiopian cabbage	*	*	-	-
Tomatoes	240	8	1,254	148.58
Green peppers	228	8	-	-
Red peppers	*	*	-	-
Swiss chard	-	-	-	-
Root crops	639	44	4,372	
Beetroot	-	-	-	-
Carrot	-	-	-	-
Onion	*	*	*	*
Potatoes	-	-	-	-
Garlic	-	-	-	-
Taro / 'Godere'	-	-	-	-
Sweet potatoes	621	44	4,313	99
Fruit crops	1,732	226	22,272	
Avocados	*	*	-	-
Bananas	753	68	6,545	95.61
Guavas	113	2	-	-
Lemons	1,279	59	2,448	41.33
Mangoes	699	21	-	-
Oranges	864	72	13,087	183.01
Papayas	271	3	193	55.98
Pineapples	*	*	-	-
Chat	1,270	140	1,777	12.67
Coffee	177	6	66	11.73
Hops	-	-	-	-
Sugar cane	87	2	152	94.71

Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2003/2004 (1996 E.C)

Jijiga

Crop	Number of holders	Area in hectare	Production in quintals	Yield (qt / ha)
Grain	69,835	63,157	549,552	
Cereals	69,835	61,837	539,364	
Teff	*	*	-	-
Barley	22,140	4,012	41,925	10.45
Wheat	35,205	10,128	118,573	11.71
Maize	59,073	17,350	110,050	6.34
Sorghum	58,271	29,815	262,494	8.8
Finger millet	*	*	-	-
Oats / 'Aja'	6,577	470	6,321	13.45
Rice	-	-	-	-
Pulses	13,085	1,105	*	
Horse beans	-	-	-	-
Field peas	2,177	*	*	*
Haricot beans	5,915	*	*	*
Chick-peas	1,948	161	197	1.22
Lentils	1,672	*	*	*
Vetch	-	-	-	-
Soya beans	-	-	-	-
Fenugreek	3,610	272	514	1.89
Gibto	-	-	-	-
Oilseeds	4,879	215	402	
Neug	*	*	-	-
Linseed	4,540	210	401	1.91
Groundnuts	-	-	-	-
Safflower	-	-	-	-
Sesame	-	-	-	-
Rape seed	*	*	*	*
Vegetables	1,518	*	-	
Lettuce	-	-	-	-
Head cabbage	-	-	-	-
Ethiopian cabbage	*	*	-	-
Tomatoes	1,171	*	-	-
Green peppers	434	*	-	-
Red peppers	-	-	-	-
Swiss chard	-	-	-	-
Root crops	11,496	858	69,523	
Beetroot	*	*	-	-
Carrot	-	-	-	-
Onion	2,988	123	19,715	160.65
Potatoes	1,132	*	*	*
Garlic	4,678	260	47,185	181.5
Taro / 'Godere'	-	-	-	-
Sweet potatoes	5,109	*	-	-
Fruit crops	677	*	-	
Avocados	*	*	-	-
Bananas	-	-	-	-
Guavas	*	*	-	-
Lemons	*	*	-	-
Mangoes	-	-	-	-
Oranges	*	*	-	-
Papayas	*	*	-	-
Pineapples	-	-	-	-
Chat	35,702	7,844	102,361	13.05
Coffee	*	*	-	-
Hops	-	-	-	-
Sugar cane	-	-	-	-

Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2003/2004 (1996 E.C)

Liben

Crop	Number of holders	Area in hectare	Production in quintals	Yield (qt / ha)
Grain	11,612	6,204	5,684	
Cereals	11,226	4,755	5,360	
Teff	*	*	-	-
Barley	-	-	-	-
Wheat	*	-	-	-
Maize	10,911	4,610	5,360	1.16
Sorghum	786	141	-	-
Finger millet	-	-	-	-
Oats / 'Aja'	-	-	-	-
Rice	-	-	-	-
Pulses	6,587	1,425	324	
Horse beans	*	*	-	-
Field peas	-	-	-	-
Haricot beans	6,587	1,421	324	0.23
Chick-peas	-	-	-	-
Lentils	-	-	-	-
Vetch	-	-	-	-
Soya beans	-	-	-	-
Fenugreek	-	-	-	-
Gibto	-	-	-	-
Oilseeds	*	*	-	
Neug	-	-	-	-
Linseed	-	-	-	-
Groundnuts	-	-	-	-
Safflower	-	-	-	-
Sesame	*	*	-	-
Rape seed	-	-	-	-
Vegetables	361	*	-	
Lettuce	-	-	-	-
Head cabbage	*	*	-	-
Ethiopian cabbage	*	*	-	-
Tomatoes	298	*	-	-
Green peppers	*	*	-	-
Red peppers	-	-	-	-
Swiss chard	-	-	-	-
Root crops	*	*	-	
Beetroot	-	-	-	-
Carrot	*	*	-	-
Onion	*	*	-	-
Potatoes	-	-	-	-
Garlic	-	-	-	-
Taro / 'Godere'	-	-	-	-
Sweet potatoes	*	*	-	-
Fruit crops	2,491	111	109	
Avocados	-	-	-	-
Bananas	550	27	-	-
Guavas	309	5	109	21.74
Lemons	*	*	-	-
Mangoes	1,341	*	-	-
Oranges	-	-	-	-
Papayas	1,033	*	-	-
Pineapples	-	-	-	-
Chat	-	-	-	-
Coffee	-	-	-	-
Hops	-	-	-	-
Sugar cane	-	-	-	-

Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2003/2004 (1996 E.C)

Benishangul – Gumuz Region

Crop	Number of holders	Area in hectare	Production in quintals	Yield (qt / ha)
Grain	131,379	147,151	1,522,008	
Cereals	129,228	106,687	1,296,146	
Teff	23,278	11,944	87,411	7.32
Barley	2,953	*	*	*
Wheat	*	*	*	*
Maize	111,725	25,677	440,114	17.14
Sorghum	87,467	48,006	540,128	11.25
Finger millet	33,371	18,934	201,729	10.65
Oats / 'Aja'	318	*	*	*
Rice	*	*	*	*
Pulses	51,948	7,005	51,372	
Horse beans	4,919	404	4,582	11.34
Field peas	3,764	536	*	*
Haricot beans	38,919	4,944	37,998	7.69
Chick-peas	3,028	559	*	*
Lentils	*	*	*	*
Vetch	*	*	-	-
Soya beans	4,961	475	2,501	5.26
Fenugreek	*	*	-	-
Gibto	*	*	*	*
Oilseeds	81,656	33,459	174,491	
Neug	29,663	12,913	46,677	3.61
Linseed	3,244	202	204	1.01
Groundnuts	20,594	3,838	36,427	9.49
Safflower	1,437	66	618	9.4
Sesame	51,394	16,313	89,599	5.49
Rape seed	4,088	127	965	7.62
Vegetables	28,185	831	18,528	
Lettuce	*	*	-	-
Head cabbage	895	2	206	85.27
Ethiopian cabbage	1,645	*	*	*
Tomatoes	757	*	*	*
Green peppers	2,744	24	2,096	85.94
Red peppers	23,551	774	15,070	19.47
Swiss chard	*	*	-	-
Root crops	26,370	715	73,473	
Beetroot	340	*	*	*
Carrot	652	*	*	*
Onion	5,087	82	9,515	116.19
Potatoes	4,662	*	*	*
Garlic	8,266	70	9,730	138.84
Taro / 'Godere'	718	8	*	*
Sweet potatoes	14,798	241	25,722	106.94
Fruit crops	37,183	1,125	83,195	
Avocados	*	*	*	*
Bananas	15,677	357	20,720	58.01
Guavas	1,015	*	*	*
Lemons	2,875	30	140	4.71
Mangoes	22,721	640	55,284	86.33
Oranges	3,194	20	884	43.48
Papayas	8,264	60	6,015	99.51
Pineapples	-	-	-	-
Chat	3,953	46	457	9.89
Coffee	13,298	*	*	*
Hops	9,275	134	*	*
Sugar cane	1,069	*	346	*

Area, Production and Yield of Crops for Private Peasant Holdings for Meher Season 2003/2004 (1996 E.C)

Metekel

Crop	Number of holders	Area in hectare	Production in quintals	Yield (qt / ha)
Grain	47,395	60,922	728,026	
Cereals	46,191	45,142	615,669	
Teff	9,376	7,918	73,134	9.24
Barley	2,769	*	*	*
Wheat	*	*	*	*
Maize	36,964	6,768	164,459	24.3
Sorghum	18,497	12,200	174,566	14.31
Finger millet	19,386	16,154	176,758	10.94
Oats / 'Aja'	*	*	*	*
Rice	*	*	*	*
Pulses	16,963	3,560	31,512	
Horse beans	4,789	400	4,582	11.47
Field peas	3,088	*	*	*
Haricot beans	9,965	*	*	*
Chick-peas	1,357	*	*	*
Lentils	*	*	*	*
Vetch	*	*	-	-
Soya beans	*	*	*	*
Fenugreek	*	*	-	-
Gibto	*	*	*	*
Oilseeds	24,564	12,221	80,844	
Neug	10,233	6,209	29,623	4.77
Linseed	*	*	*	*
Groundnuts	10,036	3,229	33,913	10.5
Safflower	466	*	*	*
Sesame	10,168	2,622	16,587	6.33
Rape seed	2,920	80	353	4.41
Vegetables	10,641	276	6,164	
Lettuce	-	-	-	-
Head cabbage	-	-	-	-
Ethiopian cabbage	*	*	*	*
Tomatoes	*	*	-	-
Green peppers	1,266	9	719	76.83
Red peppers	8,881	256	4,576	17.89
Swiss chard	*	*	-	-
Root crops	9,192	*	*	
Beetroot	*	*	-	-
Carrot	*	*	-	-
Onion	*	*	*	*
Potatoes	*	*	*	*
Garlic	8,006	70	9,704	139.04
Taro / 'Godere'	*	*	*	*
Sweet potatoes	538	6	610	101.91
Fruit crops	6,627	132	4,308	
Avocados	*	*	-	-
Bananas	3,223	*	*	*
Guavas	*	*	*	*
Lemons	682	*	*	*
Mangoes	2,096	*	*	*
Oranges	*	*	*	*
Papayas	1,984	10	1,674	175.51
Pineapples	-	-	-	-
Chat	*	*	-	-
Coffee	3,733	*	*	*
Hops	6,172	114	-	-
Sugar cane	458	*	-	-

Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2003/2004 (1996 E.C)

Asosa

Crop	Number of holders	Area in hectare	Production in quintals	Yield (qt / ha)
Grain	63,929	54,571	420,059	
Cereals	63,076	39,458	361,988	
Teff	11,816	2,835	7,105	2.51
Barley	*	*	-	-
Wheat	*	*	-	-
Maize	56,297	11,010	138,224	12.55
Sorghum	53,076	24,213	207,119	8.55
Finger millet	9,722	1,388	9,540	6.87
Oats / 'Aja'	-	-	-	-
Rice	-	-	-	-
Pulses	25,331	2,415	12,612	
Horse beans	*	*	-	-
Field peas	*	*	-	-
Haricot beans	19,550	1,680	9,730	5.79
Chick-peas	1,672	212	521	2.45
Lentils	*	*	-	-
Vetch	-	-	-	-
Soya beans	4,548	433	2,360	5.45
Fenugreek	-	-	-	-
Gibto	-	-	-	-
Oilseeds	42,900	12,698	45,460	
Neug	17,581	6,375	16,238	2.55
Linseed	2,495	148	137	0.92
Groundnuts	9,573	574	2,324	4.05
Safflower	839	*	*	*
Sesame	27,972	5,538	26,070	4.71
Rape seed	*	*	*	*
Vegetables	14,385	496	10,819	
Lettuce	*	*	-	-
Head cabbage	758	2	176	84.39
Ethiopian cabbage	1,002	*	-	-
Tomatoes	*	*	*	*
Green peppers	453	*	*	*
Red peppers	12,737	470	9,816	20.87
Swiss chard	-	-	-	-
Root crops	13,887	283	30,569	
Beetroot	*	*	*	*
Carrot	336	*	*	*
Onion	2,736	*	*	*
Potatoes	1,073	13	1,407	108.16
Garlic	*	*	*	*
Taro / 'Godere'	*	*	-	-
Sweet potatoes	11,657	190	20,346	107
Fruit crops	25,417	673	53,493	
Avocados	*	*	-	-
Bananas	9,869	224	14,879	66.56
Guavas	586	*	*	*
Lemons	1,960	23	-	-
Mangoes	17,367	365	34,443	94.28
Oranges	2,220	14	828	61.31
Papayas	5,652	35	3,208	90.94
Pineapples	-	-	-	-
Chat	3,269	43	457	10.53
Coffee	9,318	196	800	4.07
Hops	2,984	*	*	*
Sugar cane	511	6	200	34.83

Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2003/2004 (1996 E.C)

Kemashi

Crop	Number of holders	Area in hectare	Production in quintals	Yield (qt / ha)
Grain	20,055	31,658	373,923	
Cereals	19,961	22,087	318,489	
Teff	2,086	1,191	7,171	6.02
Barley	-	-	-	-
Wheat	-	-	-	-
Maize	18,464	7,900	137,431	17.4
Sorghum	15,894	11,594	158,444	13.67
Finger millet	4,264	1,392	15,432	11.08
Oats / 'Aja'	*	*	*	*
Rice	*	*	-	-
Pulses	9,655	1,030	7,248	
Horse beans	-	-	-	-
Field peas	*	*	-	-
Haricot beans	9,403	1,005	7,213	7.18
Chick-peas	-	-	-	-
Lentils	*	*	-	-
Vetch	-	-	-	-
Soya beans	*	*	*	*
Fenugreek	-	-	-	-
Gibto	-	-	-	-
Oilseeds	14,193	8,541	48,186	
Neug	1,850	329	815	2.48
Linseed	*	*	-	-
Groundnuts	985	35	190	5.37
Safflower	*	*	-	-
Sesame	13,254	8,154	46,942	5.76
Rape seed	*	*	*	*
Vegetables	3,159	59	1,545	
Lettuce	*	*	-	-
Head cabbage	*	*	*	*
Ethiopian cabbage	*	*	*	*
Tomatoes	*	*	-	-
Green peppers	1,026	10	808	80
Red peppers	1,932	48	678	14.2
Swiss chard	*	*	-	-
Root crops	3,291	56	4,935	
Beetroot	*	*	*	*
Carrot	*	*	*	*
Onion	250	*	*	*
Potatoes	522	10	-	-
Garlic	*	*	-	-
Taro / 'Godere'	*	*	*	*
Sweet potatoes	2,604	44	4,765	107.37
Fruit crops	5,138	320	25,394	
Avocados	*	*	*	*
Bananas	2,585	51	3,739	73.27
Guavas	*	*	-	-
Lemons	233	3	27	10.24
Mangoes	3,259	250	20,485	81.9
Oranges	*	*	*	*
Papayas	628	*	*	*
Pineapples	-	-	-	-
Chat	*	*	-	-
Coffee	247	*	-	-
Hops	*	*	*	*
Sugar cane	*	*	*	*

Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2003/2004 (1996 E.C)

S.N.N.P. Region

Crop	Number of holders	Area in hectare	Production in quintals	Yield (qt / ha)
Grain	2,057,010	822,470	9,606,248	
Cereals	1,937,092	687,616	8,545,507	
Teff	676,159	182,723	1,195,269	6.54
Barley	501,859	68,863	761,778	11.06
Wheat	523,768	114,578	1,733,611	15.13
Maize	1,140,258	216,243	3,848,426	17.8
Sorghum	572,710	99,624	924,172	9.28
Finger millet	50,837	5,186	78,995	15.23
Oats / 'Aja'	9,221	372	3,255	8.75
Rice	*	*	-	-
Pulses	1,119,080	130,268	1,042,605	
Horse beans	523,686	48,942	471,555	9.64
Field peas	268,651	36,025	254,174	7.06
Haricot beans	597,888	40,375	295,191	7.31
Chick-peas	23,160	2,821	13,481	4.78
Lentils	25,851	971	2,996	3.09
Vetch	6,004	*	*	*
Soya beans	2,772	70	-	-
Fenugreek	29,487	550	2,044	3.72
Gibto	*	*	-	-
Oilseeds	95,965	4,587	18,136	
Neug	7,907	*	*	*
Linseed	47,980	2,099	8,704	4.15
Groundnuts	7,284	302	2,045	6.77
Safflower	10,845	257	*	*
Sesame	2,763	292	*	*
Rape seed	23,250	356	1,906	5.35
Vegetables	1,268,436	26,200	1,581,682	
Lettuce	2,680	*	-	-
Head cabbage	24,081	197	19,157	97.28
Ethiopian cabbage	1,184,613	12,772	1,288,342	100.87
Tomatoes	15,005	160	18,013	112.59
Green peppers	93,986	480	41,679	86.84
Red peppers	137,929	12,565	213,113	16.96
Swiss chard	12,920	19	1,378	71.48
Root crops	1,262,701	63,048	6,009,545	
Beetroot	41,579	170	17,265	101.39
Carrot	17,174	*	1,217	*
Onion	146,794	1,319	131,848	99.99
Potatoes	330,675	8,730	714,140	81.81
Garlic	54,969	190	19,669	103.26
Taro / 'Godere'	604,709	20,369	1,647,223	80.87
Sweet potatoes	579,534	32,146	3,478,184	108.2
Fruit crops	921,556	26,226	1,700,049	
Avocados	340,302	2,520	155,445	61.68
Bananas	643,975	18,565	1,257,856	67.76
Guavas	34,188	170	2,273	13.41
Lemons	37,227	319	3,375	10.57
Mangoes	112,138	2,120	156,918	74.02
Oranges	118,810	881	43,807	49.72
Papayas	166,676	1,040	80,372	77.31
Pineapples	*	*	*	*
Chat	523,759	22,570	238,109	10.55
Coffee	1,183,823	71,452	381,175	5.33
Hops	185,396	1,630	23,974	14.71
Sugar cane	449,715	8,883	634,212	71.4

Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2003/2004 (1996 E.C)

Gurage

Crop	Number of holders	Area in hectare	Production in quintals	Yield (qt / ha)
Grain	191,250	79,236	1,128,128	
Cereals	188,474	68,653	1,004,332	
Teff	60,442	25,752	195,023	7.57
Barley	79,869	10,664	185,082	17.36
Wheat	65,210	11,682	219,285	18.77
Maize	88,417	15,161	336,002	22.16
Sorghum	37,288	5,335	68,343	12.81
Finger millet	-	-	-	-
Oats / 'Aja'	*	*	*	*
Rice	-	-	-	-
Pulses	92,276	9,166	119,636	
Horse beans	67,100	2,992	46,415	15.51
Field peas	22,467	3,580	45,428	12.69
Haricot beans	26,282	1,425	*	*
Chick-peas	*	*	*	*
Lentils	*	*	*	*
Vetch	*	*	-	-
Soya beans	-	-	-	-
Fenugreek	*	*	*	*
Gibto	-	-	-	-
Oilseeds	14,579	*	4,160	
Neug	*	*	*	*
Linseed	3,178	*	*	*
Groundnuts	-	-	-	-
Safflower	*	*	*	*
Sesame	-	-	-	-
Rape seed	5,048	69	*	*
Vegetables	163,459	3,146	158,988	
Lettuce	1,643	*	-	-
Head cabbage	10,646	*	*	*
Ethiopian cabbage	149,567	1,162	109,599	94.31
Tomatoes	*	*	*	*
Green peppers	13,380	*	*	*
Red peppers	24,839	1,864	39,266	21.07
Swiss chard	8,514	9	1,012	112.98
Root crops	111,442	2,160	164,186	
Beetroot	12,678	18	2,352	127.2
Carrot	9,090	9	979	112.17
Onion	12,468	*	-	-
Potatoes	60,030	988	86,058	87.1
Garlic	10,478	20	-	-
Taro / 'Godere'	44,962	1,017	74,797	73.55
Sweet potatoes	*	*	-	-
Fruit crops	76,522	962	36,006	
Avocados	22,561	81	2,092	25.82
Bananas	43,356	400	15,201	38.01
Guavas	6,397	20	292	14.55
Lemons	7,844	*	*	*
Mangoes	4,948	*	*	*
Oranges	39,717	361	13,514	37.38
Papayas	18,671	47	3,715	78.39
Pineapples	*	*	-	-
Chat	110,229	5,480	59,656	10.89
Coffee	106,260	3,257	10,496	3.22
Hops	69,844	618	11,383	18.41
Sugar cane	21,449	*	*	*

Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2003/2004 (1996 E.C)

Hadiya

Crop	Number of holders	Area in hectare	Production in quintals	Yield (qt / ha)
Grain	188,650	119,106	1,547,618	
Cereals	185,851	105,784	1,419,941	
Teff	111,977	29,617	221,828	7.49
Barley	46,276	3,505	36,079	10.29
Wheat	103,777	36,274	657,247	18.12
Maize	114,928	26,943	417,683	15.5
Sorghum	84,607	9,175	85,070	9.27
Finger millet	5,552	*	*	*
Oats / 'Aja'	*	*	*	*
Rice	*	*	-	-
Pulses	104,775	12,132	121,390	
Horse beans	54,825	6,485	67,661	10.43
Field peas	18,836	2,787	25,800	9.26
Haricot beans	58,393	2,568	*	*
Chick-peas	*	*	*	*
Lentils	*	*	737	*
Vetch	-	-	-	-
Soya beans	-	-	-	-
Fenugreek	*	*	*	*
Gibto	-	-	-	-
Oilseeds	19,602	1,190	6,287	
Neug	*	*	-	-
Linseed	14,668	1,073	*	*
Groundnuts	-	-	-	-
Safflower	*	*	-	-
Sesame	-	-	-	-
Rape seed	*	*	*	*
Vegetables	160,011	2,903	206,705	
Lettuce	*	*	-	-
Head cabbage	914	*	*	*
Ethiopian cabbage	158,110	1,970	193,075	98
Tomatoes	*	*	*	*
Green peppers	7,503	*	*	*
Red peppers	*	*	*	*
Swiss chard	*	*	*	*
Root crops	103,353	3,044	279,264	
Beetroot	11,731	23	2,363	103.95
Carrot	*	*	*	*
Onion	30,241	51	5,712	112.06
Potatoes	39,525	733	60,011	81.82
Garlic	1,964	*	*	*
Taro / 'Godere'	30,031	556	39,589	71.2
Sweet potatoes	33,473	1,676	170,940	101.98
Fruit crops	101,646	1,658	97,891	
Avocados	43,322	279	17,677	63.35
Bananas	82,228	1,258	77,024	61.21
Guavas	*	*	*	*
Lemons	1,191	*	*	*
Mangoes	4,218	*	*	*
Oranges	8,266	32	1,024	32.31
Papayas	9,566	42	1,504	36.11
Pineapples	-	-	-	-
Chat	48,857	1,338	14,950	11.17
Coffee	92,339	5,298	24,680	4.66
Hops	28,247	243	2,361	9.71
Sugar cane	53,994	860	67,576	78.53

Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2003/2004 (1996 E.C)

Kembata -Tembaro

Crop	Number of holders	Area in hectare	Production in quintals	Yield (qt / ha)
Grain	94,605	27,132	376,618	
Cereals	88,125	23,257	342,981	
Teff	36,253	6,086	38,437	6.32
Barley	16,343	907	9,715	10.71
Wheat	48,991	11,384	225,779	19.83
Maize	25,605	3,239	*	*
Sorghum	22,474	1,588	14,364	9.05
Finger millet	2,719	46	300	6.46
Oats / 'Aja'	*	*	-	-
Rice	*	*	-	-
Pulses	54,438	3,695	32,814	
Horse beans	37,282	2,453	25,290	10.31
Field peas	8,500	460	3,670	7.98
Haricot beans	24,608	739	3,724	5.04
Chick-peas	*	*	*	*
Lentils	*	*	-	-
Vetch	-	-	-	-
Soya beans	*	*	-	-
Fenugreek	*	*	-	-
Gibto	-	-	-	-
Oilseeds	4,237	*	*	
Neug	*	*	*	*
Linseed	2,931	*	*	*
Groundnuts	-	-	-	-
Safflower	*	*	-	-
Sesame	-	-	-	-
Rape seed	*	*	29	*
Vegetables	81,815	1,057	101,374	
Lettuce	-	-	-	-
Head cabbage	4,967	*	*	*
Ethiopian cabbage	79,849	850	80,747	95
Tomatoes	*	*	*	*
Green peppers	2,990	7	451	61.85
Red peppers	1,307	*	*	*
Swiss chard	*	*	*	*
Root crops	86,323	5,517	505,962	
Beetroot	4,993	73	8,607	118.08
Carrot	*	*	-	-
Onion	13,500	*	*	*
Potatoes	40,735	1,295	108,739	84
Garlic	2,255	6	825	133.45
Taro / 'Godere'	31,818	898	68,988	76.8
Sweet potatoes	49,312	2,878	284,936	99
Fruit crops	70,189	1,554	101,624	
Avocados	50,598	362	24,536	67.79
Bananas	52,818	1,033	69,633	67.43
Guavas	4,044	8	211	25.61
Lemons	3,773	15	-	-
Mangoes	10,662	47	4,026	86.42
Oranges	10,000	56	1,911	34.18
Papayas	7,198	34	1,307	38.66
Pineapples	*	*	-	-
Chat	17,251	406	4,655	11.47
Coffee	69,181	2,960	17,301	5.84
Hops	16,234	67	1,057	15.84
Sugar cane	36,260	756	55,910	74

Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2003/2004 (1996 E.C)

Sidama

Crop	Number of holders	Area in hectare	Production in quintals	Yield (qt / ha)
Grain	394,903	71,319	1,079,488	
Cereals	361,625	56,536	944,264	
Teff	26,987	2,273	10,817	4.76
Barley	65,937	9,681	110,884	11.45
Wheat	45,466	6,469	72,450	11.2
Maize	314,196	37,562	745,494	19.85
Sorghum	22,488	552	4,619	8.37
Finger millet	-	-	-	-
Oats / 'Aja'	-	-	-	-
Rice	-	-	-	-
Pulses	170,397	14,747	135,224	
Horse beans	39,651	2,062	*	*
Field peas	13,461	*	15,558	*
Haricot beans	126,308	10,491	95,903	9.14
Chick-peas	-	-	-	-
Lentils	*	*	-	-
Vetch	-	-	-	-
Soya beans	*	*	-	-
Fenugreek	*	*	-	-
Gibto	-	-	-	-
Oilseeds	3,654	36	-	
Neug	-	-	-	-
Linseed	*	*	-	-
Groundnuts	*	*	-	-
Safflower	-	-	-	-
Sesame	-	-	-	-
Rape seed	*	*	-	-
Vegetables	268,791	3,476	308,437	
Lettuce	-	-	-	-
Head cabbage	*	*	-	-
Ethiopian cabbage	255,777	2,947	303,571	103
Tomatoes	-	-	-	-
Green peppers	19,791	61	4,867	80.44
Red peppers	14,580	*	-	-
Swiss chard	*	*	-	-
Root crops	185,546	5,323	499,216	
Beetroot	*	*	*	*
Carrot	-	-	-	-
Onion	32,641	255	34,138	133.65
Potatoes	23,707	691	-	-
Garlic	*	*	*	*
Taro / 'Godere'	20,440	193	15,619	80.8
Sweet potatoes	124,395	4,135	442,495	107
Fruit crops	142,786	2,856	148,592	
Avocados	67,789	733	45,003	61.38
Bananas	104,697	1,416	100,856	71.25
Guavas	4,877	32	572	17.84
Lemons	*	-	-	-
Mangoes	*	*	*	*
Oranges	8,628	*	*	*
Papayas	2,814	*	*	*
Pineapples	*	*	-	-
Chat	207,423	10,984	114,261	10.4
Coffee	264,407	20,260	86,096	4.25
Hops	11,917	104	1,242	12
Sugar cane	111,573	3,456	250,855	72.58

Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2003/2004 (1996 E.C)

Gedio

Crop	Number of holders	Area in hectare	Production in quintals	Yield (qt / ha)
Grain	91,028	11,211	150,208	
Cereals	87,977	8,991	135,621	
Teff	*	59	*	*
Barley	19,494	2,378	23,900	10.05
Wheat	2,432	*	*	*
Maize	79,469	6,235	107,922	17.31
Sorghum	1,528	*	*	*
Finger millet	-	-	-	-
Oats / 'Aja'	-	-	-	-
Rice	-	-	-	-
Pulses	35,717	2,212	14,587	
Horse beans	20,234	1,221	10,725	8.78
Field peas	8,737	811	3,178	3.92
Haricot beans	15,401	168	*	*
Chick-peas	*	*	*	*
Lentils	*	*	-	-
Vetch	-	-	-	-
Soya beans	-	-	-	-
Fenugreek	-	-	-	-
Gibto	-	-	-	-
Oilseeds	1,368	*	-	
Neug	-	-	-	-
Linseed	*	*	-	-
Groundnuts	*	-	-	-
Safflower	*	*	-	-
Sesame	-	-	-	-
Rape seed	-	-	-	-
Vegetables	84,859	999	91,674	
Lettuce	*	*	-	-
Head cabbage	*	*	-	-
Ethiopian cabbage	83,687	969	89,470	92.36
Tomatoes	*	*	-	-
Green peppers	6,791	20	2,204	110.02
Red peppers	*	*	-	-
Swiss chard	*	*	-	-
Root crops	50,669	662	63,200	
Beetroot	*	*	-	-
Carrot	*	*	-	-
Onion	5,775	*	*	*
Potatoes	3,280	*	*	*
Garlic	2,514	*	-	-
Taro / 'Godere'	26,735	263	21,256	80.8
Sweet potatoes	21,750	302	32,896	109
Fruit crops	45,898	827	32,690	
Avocados	29,073	285	20,257	71.19
Bananas	23,285	497	12,433	25.03
Guavas	785	*	-	-
Lemons	*	*	-	-
Mangoes	*	*	-	-
Oranges	1,083	*	-	-
Papayas	*	*	-	-
Pineapples	*	*	-	-
Chat	4,930	179	2,749	15.35
Coffee	113,427	13,569	84,601	6.23
Hops	7,677	98	844	8.58
Sugar cane	21,930	620	37,866	61.05

Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2003/2004 (1996 E.C)

Wolayita

Crop	Number of holders	Area in hectare	Production in quintals	Yield (qt / ha)
Grain	224,829	57,545	719,199	
Cereals	200,312	47,624	652,207	
Teff	99,477	18,060	100,009	5.54
Barley	18,399	926	8,952	9.67
Wheat	41,926	4,259	57,006	13.38
Maize	99,569	20,811	455,988	21.91
Sorghum	58,550	3,563	30,252	8.49
Finger millet	-	-	-	-
Oats / 'Aja'	*	*	-	-
Rice	-	-	-	-
Pulses	129,037	9,893	66,965	
Horse beans	31,644	1,051	8,210	7.81
Field peas	30,496	1,315	9,817	7.47
Haricot beans	93,929	6,976	47,101	6.75
Chick-peas	*	*	*	*
Lentils	*	*	-	-
Vetch	*	*	-	-
Soya beans	-	-	-	-
Fenugreek	-	-	-	-
Gibto	-	-	-	-
Oilseeds	1,942	*	*	
Neug	-	-	-	-
Linseed	*	*	-	-
Groundnuts	*	*	-	-
Safflower	*	*	*	*
Sesame	-	-	-	-
Rape seed	-	-	-	-
Vegetables	87,307	800	62,312	
Lettuce	*	*	-	-
Head cabbage	*	*	-	-
Ethiopian cabbage	79,868	510	51,881	101.83
Tomatoes	*	*	-	-
Green peppers	9,300	71	6,937	97.86
Red peppers	7,194	*	*	*
Swiss chard	*	*	-	-
Root crops	233,429	22,164	2,469,955	
Beetroot	*	*	-	-
Carrot	*	*	-	-
Onion	4,478	17	2,031	117.41
Potatoes	71,766	1,625	162,049	99.75
Garlic	*	*	-	-
Taro / 'Godere'	127,380	2,823	225,823	80
Sweet potatoes	220,078	17,628	2,080,052	118
Fruit crops	167,194	2,357	183,548	
Avocados	99,215	608	42,249	69.46
Bananas	98,611	1,148	97,272	84.72
Guavas	8,686	30	797	26.15
Lemons	4,860	*	*	*
Mangoes	32,766	*	*	*
Oranges	20,057	75	5,635	74.93
Papayas	30,358	108	9,553	88.71
Pineapples	*	*	-	-
Chat	*	*	*	*
Coffee	176,654	5,680	31,121	5.48
Hops	10,427	*	*	*
Sugar cane	80,682	919	105,101	114.38

Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2003/2004 (1996 E.C)

South Omo

Crop	Number of holders	Area in hectare	Production in quintals	Yield (qt / ha)
Grain	67,498	29,179	232,333	
Cereals	63,720	25,500	205,147	
Teff	9,676	2,848	15,411	5.41
Barley	9,639	2,111	20,283	9.61
Wheat	5,358	*	*	*
Maize	37,355	8,591	97,017	11.29
Sorghum	31,993	10,661	60,756	5.7
Finger millet	1,379	182	*	*
Oats / 'Aja'	*	*	-	-
Rice	-	-	-	-
Pulses	36,938	3,273	25,283	
Horse beans	11,957	1,111	11,024	9.92
Field peas	5,242	*	2,473	*
Haricot beans	25,156	1,558	11,786	7.57
Chick-peas	-	-	-	-
Lentils	*	*	-	-
Vetch	-	-	-	-
Soya beans	*	*	-	-
Fenugreek	*	*	*	*
Gibto	-	-	-	-
Oilseeds	7,814	406	*	
Neug	-	-	-	-
Linseed	901	21	*	*
Groundnuts	699	35	406	11.72
Safflower	5,297	189	-	-
Sesame	1,017	*	*	*
Rape seed	-	-	-	-
Vegetables	16,135	173	16,599	
Lettuce	*	*	-	-
Head cabbage	-	-	-	-
Ethiopian cabbage	14,787	161	16,587	103
Tomatoes	*	*	-	-
Green peppers	1,404	10	-	-
Red peppers	*	*	*	*
Swiss chard	-	-	-	-
Root crops	32,812	1,751	142,096	
Beetroot	-	-	-	-
Carrot	-	-	-	-
Onion	4,608	*	*	*
Potatoes	9,608	302	-	-
Garlic	*	*	*	*
Taro / 'Godere'	22,463	1,042	93,380	89.6
Sweet potatoes	8,332	252	25,726	102
Fruit crops	20,327	463	22,787	
Avocados	*	*	-	-
Bananas	17,116	400	20,484	51.26
Guavas	-	-	-	-
Lemons	*	*	-	-
Mangoes	4,105	31	1,094	35.21
Oranges	*	*	-	-
Papayas	4,787	29	1,208	41.35
Pineapples	*	*	-	-
Chat	1,115	*	-	-
Coffee	33,184	2,755	12,663	4.6
Hops	1,349	16	113	7.17
Sugar cane	6,817	189	7,390	39.08

Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2003/2004 (1996 E.C)

Sheka

Crop	Number of holders	Area in hectare	Production in quintals	Yield (qt / ha)
Grain	26,865	10,272	112,505	
Cereals	24,298	7,609	100,906	
Teff	4,169	681	3,680	5.4
Barley	1,030	82	*	*
Wheat	*	*	*	*
Maize	12,744	1,590	18,394	11.57
Sorghum	16,278	4,920	75,171	15.28
Finger millet	872	*	*	*
Oats / 'Aja'	-	-	-	-
Rice	-	-	-	-
Pulses	10,509	2,630	11,506	
Horse beans	4,804	745	4,240	5.69
Field peas	5,697	1,648	5,941	3.61
Haricot beans	4,342	237	1,326	5.58
Chick-peas	-	-	-	-
Lentils	-	-	-	-
Vetch	-	-	-	-
Soya beans	*	*	-	-
Fenugreek	-	-	-	-
Gibto	-	-	-	-
Oilseeds	712	*	*	
Neug	-	-	-	-
Linseed	*	*	-	-
Groundnuts	*	*	*	*
Safflower	*	*	-	-
Sesame	173	*	*	*
Rape seed	292	*	*	*
Vegetables	11,328	169	8,598	
Lettuce	-	-	-	-
Head cabbage	-	-	-	-
Ethiopian cabbage	7,202	62	6,079	97.77
Tomatoes	*	*	-	-
Green peppers	2,577	29	2,519	86.74
Red peppers	2,902	76	-	-
Swiss chard	*	*	-	-
Root crops	17,007	569	40,271	
Beetroot	*	*	-	-
Carrot	*	*	-	-
Onion	2,240	*	-	-
Potatoes	928	*	*	*
Garlic	2,079	7	903	127.85
Taro / 'Godere'	13,981	400	32,615	81.6
Sweet potatoes	807	*	-	-
Fruit crops	14,785	299	23,392	
Avocados	856	5	-	-
Bananas	7,090	125	11,845	94.66
Guavas	315	*	-	-
Lemons	425	1	-	-
Mangoes	7,826	72	2,442	33.83
Oranges	5,479	55	5,771	103.99
Papayas	6,829	31	3,334	109.2
Pineapples	*	*	-	-
Chat	4,457	188	1,716	9.14
Coffee	19,065	5,186	37,814	7.29
Hops	1,849	22	175	7.8
Sugar cane	9,282	113	75	0.66

Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2003/2004 (1996 E.C)

Keffa

Crop	Number of holders	Area in hectare	Production in quintals	Yield (qt / ha)
Grain	131,760	88,906	904,962	
Cereals	122,650	59,969	686,860	
Teff	93,616	20,551	156,554	7.62
Barley	44,056	7,461	58,887	7.89
Wheat	32,870	8,539	85,735	10.04
Maize	31,390	12,178	235,618	19.35
Sorghum	39,897	9,650	123,341	12.78
Finger millet	*	*	*	*
Oats / 'Aja'	*	123	*	*
Rice	-	-	-	-
Pulses	104,878	28,816	217,757	
Horse beans	76,842	16,245	139,089	8.56
Field peas	40,985	8,755	57,771	6.6
Haricot beans	35,007	3,768	20,783	5.52
Chick-peas	*	*	-	-
Lentils	*	*	-	-
Vetch	-	-	-	-
Soya beans	-	-	-	-
Fenugreek	726	*	*	*
Gibto	-	-	-	-
Oilseeds	4,638	121	345	
Neug	*	*	*	*
Linseed	3,285	72	293	4.05
Groundnuts	-	-	-	-
Safflower	*	*	*	*
Sesame	*	*	*	*
Rape seed	*	*	*	*
Vegetables	82,093	*	59,938	
Lettuce	-	-	-	-
Head cabbage	737	*	-	-
Ethiopian cabbage	72,847	484	49,327	102
Tomatoes	-	-	-	-
Green peppers	8,956	30	2,758	91.83
Red peppers	*	*	*	*
Swiss chard	*	*	-	-
Root crops	72,720	2,081	188,857	
Beetroot	2,152	13	1,437	114.61
Carrot	*	*	-	-
Onion	5,443	41	5,358	130.85
Potatoes	686	*	*	*
Garlic	6,382	*	*	*
Taro / 'Godere'	63,678	1,939	172,182	88.8
Sweet potatoes	2,913	40	4,350	109.02
Fruit crops	41,289	576	33,901	
Avocados	1,847	*	-	-
Bananas	37,307	548	32,061	58.52
Guavas	*	*	-	-
Lemons	-	-	-	-
Mangoes	1,364	1	30	21.86
Oranges	*	*	*	*
Papayas	5,962	18	1,720	96.6
Pineapples	-	-	-	-
Chat	6,081	79	1,233	15.59
Coffee	43,019	1,791	13,117	7.32
Hops	6,218	74	1,078	14.65
Sugar cane	29,709	385	25,279	65.71

Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2003/2004 (1996 E.C)

Gamo Gofa

Crop	Number of holders	Area in hectare	Production in quintals	Yield (qt / ha)
Grain	233,768	107,754	833,877	
Cereals	228,989	93,677	747,050	
Teff	79,118	30,317	159,950	5.28
Barley	103,351	20,268	191,712	9.46
Wheat	83,236	15,121	131,331	8.69
Maize	89,963	17,477	203,918	11.67
Sorghum	49,361	10,479	60,030	5.73
Finger millet	-	-	-	-
Oats / 'Aja'	*	*	*	*
Rice	-	-	-	-
Pulses	137,306	13,749	85,526	
Horse beans	67,962	4,658	37,930	8.14
Field peas	52,194	4,127	21,781	5.28
Haricot beans	73,381	4,603	24,555	5.33
Chick-peas	*	*	*	*
Lentils	6,142	200	880	4.39
Vetch	-	-	-	-
Soya beans	*	*	-	-
Fenugreek	*	*	*	*
Gibto	*	*	-	-
Oilseeds	6,733	328	1,301	
Neug	-	-	-	-
Linseed	4,050	*	*	*
Groundnuts	2,398	142	736	5.18
Safflower	*	*	-	-
Sesame	-	-	-	-
Rape seed	-	-	-	-
Vegetables	56,778	698	64,728	
Lettuce	-	-	-	-
Head cabbage	*	*	-	-
Ethiopian cabbage	49,923	579	53,812	92.94
Tomatoes	*	*	*	*
Green peppers	5,816	*	*	*
Red peppers	*	*	*	*
Swiss chard	*	*	-	-
Root crops	160,992	9,467	823,419	
Beetroot	*	*	-	-
Carrot	*	*	-	-
Onion	15,371	*	*	*
Potatoes	56,510	2,615	255,402	97.65
Garlic	7,228	*	*	*
Taro / 'Godere'	69,653	2,309	180,750	78.29
Sweet potatoes	79,839	4,403	369,874	84
Fruit crops	79,571	*	*	
Avocados	7,798	92	1,810	19.67
Bananas	62,301	*	*	*
Guavas	-	-	-	-
Lemons	11,805	*	*	*
Mangoes	28,677	*	*	*
Oranges	*	*	*	*
Papayas	23,637	230	8,763	38.03
Pineapples	*	*	-	-
Chat	1,726	*	*	*
Coffee	81,081	2,033	8,738	4.3
Hops	*	*	*	*
Sugar cane	16,351	311	13,725	44.14

Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2003/2004 (1996 E.C)

Bench - Maji

Crop	Number of holders	Area in hectare	Production in quintals	Yield (qt / ha)
Grain	76,416	23,407	219,895	
Cereals	67,434	18,185	182,178	
Teff	16,486	3,082	19,720	6.4
Barley	6,884	943	6,186	6.56
Wheat	*	*	*	*
Maize	44,555	8,746	90,045	10.3
Sorghum	27,170	5,174	63,867	12.34
Finger millet	*	*	*	*
Oats / 'Aja'	-	-	-	-
Rice	-	-	-	-
Pulses	33,647	5,052	37,144	
Horse beans	11,183	1,562	15,680	10.04
Field peas	10,815	2,636	14,913	5.66
Haricot beans	18,897	855	6,551	7.67
Chick-peas	-	-	-	-
Lentils	-	-	-	-
Vetch	-	-	-	-
Soya beans	-	-	-	-
Fenugreek	-	-	-	-
Gibto	-	-	-	-
Oilseeds	1,825	*	*	
Neug	-	-	-	-
Linseed	*	*	*	*
Groundnuts	*	*	-	-
Safflower	-	-	-	-
Sesame	*	*	*	*
Rape seed	*	*	-	-
Vegetables	49,069	405	41,057	
Lettuce	-	-	-	-
Head cabbage	*	*	-	-
Ethiopian cabbage	44,963	320	32,690	102
Tomatoes	*	*	-	-
Green peppers	8,985	*	*	*
Red peppers	630	*	-	-
Swiss chard	-	-	-	-
Root crops	79,706	4,039	336,825	
Beetroot	*	*	-	-
Carrot	-	-	-	-
Onion	939	*	*	*
Potatoes	*	*	*	*
Garlic	1,140	2	352	166.04
Taro / 'Godere'	77,495	3,973	330,532	83.2
Sweet potatoes	2,008	11	-	-
Fruit crops	54,264	1,098	106,381	
Avocados	2,492	16	595	36.64
Bananas	37,966	792	70,006	88.43
Guavas	*	*	*	*
Lemons	*	*	-	-
Mangoes	12,740	67	4,808	71.36
Oranges	4,018	25	-	-
Papayas	26,364	190	30,914	162.53
Pineapples	*	*	*	*
Chat	20,521	*	-	-
Coffee	69,484	5,172	34,372	6.65
Hops	9,688	47	617	13.18
Sugar cane	19,834	319	23,616	74.13

Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2003/2004 (1996 E.C)

Yem Special Wereda

Crop	Number of holders	Area in hectare	Production in quintals	Yield (qt / ha)
Grain	14,005	12,483	115,684	
Cereals	13,918	10,130	96,865	
Teff	9,546	3,632	26,874	7.4
Barley	7,979	989	8,129	8.22
Wheat	9,872	2,883	32,139	11.15
Maize	11,854	1,969	24,061	12.22
Sorghum	4,837	649	5,594	8.62
Finger millet	*	*	*	*
Oats / 'Aja'	195	*	*	*
Rice	-	-	-	-
Pulses	11,182	2,263	18,467	
Horse beans	9,682	1,352	12,397	9.17
Field peas	4,389	811	5,569	6.87
Haricot beans	1,419	19	146	7.74
Chick-peas	*	*	-	-
Lentils	1,637	70	309	4.39
Vetch	-	-	-	-
Soya beans	-	-	-	-
Fenugreek	1,824	10	46	4.44
Gibto	-	-	-	-
Oilseeds	1,453	89	351	
Neug	*	*	*	*
Linseed	1,231	69	228	3.33
Groundnuts	-	-	-	-
Safflower	-	-	-	-
Sesame	-	-	-	-
Rape seed	225	4	21	5.8
Vegetables	11,228	103	10,277	
Lettuce	*	*	-	-
Head cabbage	652	5	-	-
Ethiopian cabbage	10,975	95	10,064	106
Tomatoes	154	*	-	-
Green peppers	1,069	2	213	104.97
Red peppers	*	*	-	-
Swiss chard	*	*	-	-
Root crops	8,880	263	23,810	
Beetroot	862	*	*	*
Carrot	561	1	70	128.85
Onion	433	0	64	130.08
Potatoes	2,346	20	2,234	109.2
Garlic	2,829	6	744	122.91
Taro / 'Godere'	4,768	151	11,726	77.6
Sweet potatoes	3,182	82	8,589	105.01
Fruit crops	3,865	45	1,888	
Avocados	305	1	-	-
Bananas	3,311	33	1,860	57.22
Guavas	444	1	28	24.49
Lemons	*	*	-	-
Mangoes	*	*	-	-
Oranges	912	*	-	-
Papayas	215	*	-	-
Pineapples	*	*	-	-
Chat	6,608	146	1,785	12.23
Coffee	6,858	192	1,351	7.04
Hops	2,293	10	483	48.12
Sugar cane	4,972	95	5,244	54.99

Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2003/2004 (1996 E.C)

Amaro Special Wereda

Crop	Number of holders	Area in hectare	Production in quintals	Yield (qt / ha)
Grain	18,972	5,791	31,350	
Cereals	16,069	4,518	25,966	
Teff	3,706	1,467	4,145	2.83
Barley	8,056	799	7,416	9.28
Wheat	5,554	1,293	9,352	7.23
Maize	5,700	*	4,429	*
Sorghum	801	*	*	*
Finger millet	-	-	-	-
Oats / 'Aja'	*	*	*	*
Rice	-	-	-	-
Pulses	13,515	1,269	5,367	
Horse beans	7,019	307	1,899	6.19
Field peas	5,205	542	2,268	4.19
Haricot beans	3,875	117	453	3.87
Chick-peas	*	*	*	*
Lentils	1,547	67	219	3.26
Vetch	-	-	-	-
Soya beans	982	33	-	-
Fenugreek	-	-	-	-
Gibto	-	-	-	-
Oilseeds	301	4	16	
Neug	-	-	-	-
Linseed	185	2	*	*
Groundnuts	*	*	-	-
Safflower	-	-	-	-
Sesame	-	-	-	-
Rape seed	*	*	*	*
Vegetables	9,672	141	14,481	
Lettuce	-	-	-	-
Head cabbage	-	-	-	-
Ethiopian cabbage	9,628	141	14,481	102.99
Tomatoes	-	-	-	-
Green peppers	*	*	-	-
Red peppers	-	-	-	-
Swiss chard	-	-	-	-
Root crops	8,111	114	5,928	
Beetroot	-	-	-	-
Carrot	-	-	-	-
Onion	5,831	47	-	-
Potatoes	*	*	-	-
Garlic	789	3	-	-
Taro / 'Godere'	316	*	*	*
Sweet potatoes	1,708	58	5,723	98.99
Fruit crops	5,334	175	5,370	
Avocados	1,330	21	-	-
Bananas	2,968	75	2,807	37.37
Guavas	*	*	-	-
Lemons	685	8	-	-
Mangoes	*	*	-	-
Oranges	*	*	-	-
Papayas	2,639	52	2,564	49.03
Pineapples	-	-	-	-
Chat	1,848	74	885	11.92
Coffee	10,443	1,268	9,754	7.69
Hops	*	*	*	*
Sugar cane	3,566	107	6,796	63.8

Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2003/2004 (1996 E.C)

Burji Special Wereda

Crop	Number of holders	Area in hectare	Production in quintals	Yield (qt / ha)
Grain	6,461	3,484	16,667	
Cereals	5,916	2,454	13,432	
Teff	1,628	513	1,987	3.88
Barley	1,870	143	598	4.18
Wheat	2,265	384	2,389	6.22
Maize	2,481	659	5,926	8.99
Sorghum	2,002	755	2,533	3.36
Finger millet	-	-	-	-
Oats / 'Aja'	-	-	-	-
Rice	-	-	-	-
Pulses	4,096	1,020	3,229	
Horse beans	183	4	14	3.73
Field peas	598	57	134	2.35
Haricot beans	3,115	745	1,772	2.38
Chick-peas	984	190	1,292	6.82
Lentils	89	11	*	*
Vetch	-	-	-	-
Soya beans	94	*	-	-
Fenugreek	148	8	11	1.35
Gibto	-	-	-	-
Oilseeds	305	11	6	
Neug	-	-	-	-
Linseed	106	3	6	1.76
Groundnuts	-	-	-	-
Safflower	174	7	-	-
Sesame	*	*	-	-
Rape seed	*	*	-	-
Vegetables	2,418	27	1,810	
Lettuce	-	-	-	-
Head cabbage	57	*	-	-
Ethiopian cabbage	1,976	24	1,810	76.51
Tomatoes	352	2	-	-
Green peppers	216	1	-	-
Red peppers	*	*	-	-
Swiss chard	55	0	-	-
Root crops	1,443	27	2,142	
Beetroot	60	*	-	-
Carrot	*	*	-	-
Onion	751	10	1,141	112.11
Potatoes	307	9	507	55.6
Garlic	*	*	-	-
Taro / 'Godere'	149	1	-	-
Sweet potatoes	297	7	494	71.03
Fruit crops	2,600	26	542	
Avocados	283	1	-	-
Bananas	1,354	11	304	26.75
Guavas	740	10	69	7.02
Lemons	198	1	5	8.68
Mangoes	*	*	-	-
Oranges	111	0	-	-
Papayas	1,116	4	164	43.54
Pineapples	-	-	-	-
Chat	242	2	-	-
Coffee	2,332	84	454	5.4
Hops	278	1	-	-
Sugar cane	1,546	26	2,707	103.35

Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2003/2004 (1996 E.C)

Konso Special Wereda

Crop	Number of holders	Area in hectare	Production in quintals	Yield (qt / ha)
Grain	32,212	15,376	29,825	
Cereals	32,155	13,145	27,789	
Teff	5,708	1,674	997	0.6
Barley	*	*	*	*
Wheat	*	*	*	*
Maize	15,692	3,252	12,686	3.9
Sorghum	28,079	8,038	13,916	1.73
Finger millet	*	*	-	-
Oats / 'Aja'	-	-	-	-
Rice	*	*	-	-
Pulses	17,614	2,213	2,024	
Horse beans	*	*	-	-
Field peas	4,079	460	-	-
Haricot beans	15,252	1,657	1,988	1.2
Chick-peas	*	*	*	*
Lentils	*	*	-	-
Vetch	-	-	-	-
Soya beans	-	-	-	-
Fenugreek	-	-	-	-
Gibto	-	-	-	-
Oilseeds	963	18	12	
Neug	*	-	-	-
Linseed	*	*	-	-
Groundnuts	-	-	-	-
Safflower	689	14	11	0.83
Sesame	-	-	-	-
Rape seed	*	*	*	*
Vegetables	*	*	-	
Lettuce	-	-	-	-
Head cabbage	-	-	-	-
Ethiopian cabbage	*	*	-	-
Tomatoes	-	-	-	-
Green peppers	*	*	-	-
Red peppers	*	*	-	-
Swiss chard	-	-	-	-
Root crops	2,628	*	17	
Beetroot	-	-	-	-
Carrot	-	-	-	-
Onion	598	*	-	-
Potatoes	*	*	-	-
Garlic	-	-	-	-
Taro / 'Godere'	*	*	-	-
Sweet potatoes	1,329	16	17	1.02
Fruit crops	8,447	168	2,645	
Avocados	-	-	-	-
Bananas	3,894	61	1,699	28.01
Guavas	*	*	-	-
Lemons	648	*	-	-
Mangoes	410	*	-	-
Oranges	*	*	-	-
Papayas	4,238	*	*	*
Pineapples	-	-	-	-
Chat	1,293	57	-	-
Coffee	6,030	163	791	4.85
Hops	1,681	*	*	*
Sugar cane	*	*	-	-

Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2003/2004 (1996 E.C)

Derashe Special Wereda

Crop	Number of holders	Area in hectare	Production in quintals	Yield (qt / ha)
Grain	20,171	14,138	61,438	
Cereals	19,976	12,732	55,398	
Teff	5,258	1,494	5,839	3.91
Barley	3,855	378	2,475	6.55
Wheat	1,755	174	1,220	7
Maize	13,593	3,173	14,755	4.65
Sorghum	14,604	7,513	31,109	4.14
Finger millet	-	-	-	-
Oats / 'Aja'	-	-	-	-
Rice	-	-	-	-
Pulses	10,213	1,396	6,034	
Horse beans	1,026	25	181	7.12
Field peas	1,212	101	*	*
Haricot beans	8,858	1,004	4,029	4.01
Chick-peas	1,275	235	1,025	4.36
Lentils	435	*	*	*
Vetch	-	-	-	-
Soya beans	-	-	-	-
Fenugreek	-	-	-	-
Gibto	-	-	-	-
Oilseeds	492	*	*	
Neug	-	-	-	-
Linseed	*	*	*	*
Groundnuts	-	-	-	-
Safflower	*	*	-	-
Sesame	-	-	-	-
Rape seed	*	*	*	*
Vegetables	5,984	179	14,099	
Lettuce	-	-	-	-
Head cabbage	*	*	-	-
Ethiopian cabbage	5,912	178	14,099	79.31
Tomatoes	-	-	-	-
Green peppers	*	*	-	-
Red peppers	*	*	-	-
Swiss chard	-	-	-	-
Root crops	3,728	98	5,973	
Beetroot	-	-	-	-
Carrot	-	-	-	-
Onion	1,807	46	5,436	118.82
Potatoes	294	*	*	*
Garlic	*	*	-	-
Taro / 'Godere'	413	2	-	-
Sweet potatoes	1,750	41	-	-
Fruit crops	4,199	188	1,080	
Avocados	*	*	-	-
Bananas	2,479	86	797	9.27
Guavas	*	*	-	-
Lemons	1,050	*	*	*
Mangoes	*	*	-	-
Oranges	-	-	-	-
Papayas	1,551	*	*	*
Pineapples	-	-	-	-
Chat	1,284	*	*	*
Coffee	7,798	157	1,061	6.76
Hops	2,618	31	133	4.33
Sugar cane	1,240	15	1,150	74.27

Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2003/2004 (1996 E.C)

Dawro

Crop	Number of holders	Area in hectare	Production in quintals	Yield (qt / ha)
Grain	61,177	33,081	250,954	
Cereals	52,632	24,490	186,766	
Teff	36,591	13,788	70,715	5.13
Barley	6,460	669	3,859	5.76
Wheat	9,663	1,994	17,092	8.57
Maize	18,325	4,963	67,990	13.7
Sorghum	18,946	3,000	26,904	8.97
Finger millet	-	-	-	-
Oats / 'Aja'	1,416	*	*	*
Rice	-	-	-	-
Pulses	38,562	8,412	63,159	
Horse beans	20,953	3,463	32,148	9.28
Field peas	12,341	3,484	22,083	6.34
Haricot beans	15,159	1,342	8,523	6.35
Chick-peas	926	32	*	*
Lentils	1,395	90	*	*
Vetch	-	-	-	-
Soya beans	-	-	-	-
Fenugreek	*	*	*	*
Gibto	-	-	-	-
Oilseeds	6,155	178	*	
Neug	*	*	-	-
Linseed	4,165	64	144	2.25
Groundnuts	1,695	*	*	*
Safflower	-	-	-	-
Sesame	*	*	*	*
Rape seed	-	-	-	-
Vegetables	34,371	368	25,972	
Lettuce	-	-	-	-
Head cabbage	-	-	-	-
Ethiopian cabbage	32,517	267	25,078	94
Tomatoes	*	*	-	-
Green peppers	1,601	2	183	85.43
Red peppers	2,004	*	*	*
Swiss chard	-	-	-	-
Root crops	55,286	3,685	292,368	
Beetroot	-	-	-	-
Carrot	-	-	-	-
Onion	2,283	*	*	*
Potatoes	2,310	25	2,219	87.14
Garlic	1,299	5	657	126.04
Taro / 'Godere'	51,975	3,281	254,628	77.6
Sweet potatoes	11,138	360	33,523	93
Fruit crops	29,197	378	28,408	
Avocados	3,353	11	799	71.41
Bananas	23,658	268	19,860	74.02
Guavas	*	*	*	*
Lemons	634	1	-	-
Mangoes	*	*	-	-
Oranges	2,072	9	1,047	110.46
Papayas	10,685	85	6,650	78.05
Pineapples	-	-	-	-
Chat	1,051	5	34	6.88
Coffee	28,532	715	4,301	6.02
Hops	5,938	*	*	*
Sugar cane	10,039	72	4,451	61.58

Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2003/2004 (1996 E.C)

Basketo Special Wereda

Crop	Number of holders	Area in hectare	Production in quintals	Yield (qt / ha)
Grain	8,978	3,479	37,388	
Cereals	8,842	3,237	35,844	
Teff	6,111	1,608	10,984	6.83
Barley	1,726	300	2,567	8.57
Wheat	*	*	*	*
Maize	6,003	817	15,834	19.37
Sorghum	4,465	508	6,429	12.66
Finger millet	*	*	-	-
Oats / 'Aja'	-	-	-	-
Rice	-	-	-	-
Pulses	5,296	235	1,513	
Horse beans	478	8	85	10.18
Field peas	1,909	67	326	4.89
Haricot beans	4,452	159	1,102	6.95
Chick-peas	*	*	-	-
Lentils	-	-	-	-
Vetch	-	-	-	-
Soya beans	-	-	-	-
Fenugreek	*	*	-	-
Gibto	*	*	-	-
Oilseeds	428	7	*	
Neug	-	-	-	-
Linseed	108	*	*	*
Groundnuts	132	*	*	*
Safflower	188	2	6	3.22
Sesame	-	-	-	-
Rape seed	-	-	-	-
Vegetables	1,469	9	787	
Lettuce	-	-	-	-
Head cabbage	-	-	-	-
Ethiopian cabbage	1,268	8	787	95.99
Tomatoes	-	-	-	-
Green peppers	249	1	-	-
Red peppers	*	*	-	-
Swiss chard	-	-	-	-
Root crops	7,278	295	28,012	
Beetroot	*	*	-	-
Carrot	-	-	-	-
Onion	1,003	2	-	-
Potatoes	1,487	22	2,240	103.94
Garlic	*	*	-	-
Taro / 'Godere'	4,939	99	8,364	84.79
Sweet potatoes	4,990	172	17,408	101
Fruit crops	5,778	90	-	
Avocados	204	2	-	-
Bananas	5,170	75	-	-
Guavas	*	*	-	-
Lemons	112	*	-	-
Mangoes	915	6	-	-
Oranges	*	*	-	-
Papayas	582	4	-	-
Pineapples	*	*	-	-
Chat	*	*	-	-
Coffee	8,529	378	-	-
Hops	1,127	10	-	-
Sugar cane	3,621	66	-	-

Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2003/2004 (1996 E.C)

Konta Special Wereda

Crop	Number of holders	Area in hectare	Production in quintals	Yield (qt / ha)
Grain	13,620	7,677	69,675	
Cereals	12,252	5,536	50,048	
Teff	8,889	3,042	22,588	7.42
Barley	2,158	473	5,222	11.03
Wheat	1,339	197	2,320	11.77
Maize	2,775	557	*	*
Sorghum	4,876	1,248	15,105	12.11
Finger millet	-	-	-	-
Oats / 'Aja'	*	*	*	*
Rice	-	-	-	-
Pulses	8,541	2,135	19,615	
Horse beans	5,599	1,471	15,236	10.36
Field peas	2,384	465	3,598	7.73
Haricot beans	3,202	196	769	3.93
Chick-peas	-	-	-	-
Lentils	228	3	12	4.27
Vetch	-	-	-	-
Soya beans	-	-	-	-
Fenugreek	*	*	-	-
Gibto	-	-	-	-
Oilseeds	272	5	12	
Neug	105	*	*	*
Linseed	192	4	10	2.26
Groundnuts	-	-	-	-
Safflower	-	-	-	-
Sesame	*	*	*	*
Rape seed	-	-	-	-
Vegetables	3,550	25	2,075	
Lettuce	-	-	-	-
Head cabbage	106	*	-	-
Ethiopian cabbage	2,738	16	1,513	95.96
Tomatoes	-	-	-	-
Green peppers	671	5	545	100.95
Red peppers	680	4	16	4.43
Swiss chard	-	-	-	-
Root crops	12,702	1,442	119,341	
Beetroot	*	*	-	-
Carrot	*	*	-	-
Onion	429	2	-	-
Potatoes	1,207	30	2,199	72.46
Garlic	499	*	-	-
Taro / 'Godere'	12,396	1,400	116,443	83.2
Sweet potatoes	496	7	699	102.18
Fruit crops	8,238	144	16,875	
Avocados	653	2	-	-
Bananas	7,386	120	10,101	83.96
Guavas	*	*	-	-
Lemons	311	1	277	242.99
Mangoes	278	1	-	-
Oranges	714	3	-	-
Papayas	3,159	16	6,497	401.31
Pineapples	*	*	-	-
Chat	1,390	15	-	-
Coffee	6,067	167	699	4.18
Hops	1,063	10	127	13.22
Sugar cane	2,260	18	2,234	121.92

Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2003/2004 (1996 E.C)

Silitie

Crop	Number of holders	Area in hectare	Production in quintals	Yield (qt / ha)
Grain	128,500	79,347	1,334,839	
Cereals	124,639	73,966	1,283,555	
Teff	44,611	12,465	104,636	8.39
Barley	55,608	5,978	77,899	13.03
Wheat	53,334	10,683	185,119	17.33
Maize	94,893	29,166	686,493	23.54
Sorghum	79,767	13,834	196,621	14.21
Finger millet	18,579	1,819	32,345	17.78
Oats / 'Aja'	*	*	*	*
Rice	*	*	-	-
Pulses	85,287	5,079	50,277	
Horse beans	54,724	1,693	19,331	11.42
Field peas	19,046	1,161	13,205	11.38
Haricot beans	28,540	1,102	11,895	10.79
Chick-peas	5,923	456	*	*
Lentils	1,444	23	69	2.96
Vetch	*	*	*	*
Soya beans	-	-	-	-
Fenugreek	10,219	*	*	*
Gibto	*	*	-	-
Oilseeds	16,221	302	1,008	
Neug	*	*	-	-
Linseed	7,530	167	342	2.05
Groundnuts	*	*	-	-
Safflower	*	*	-	-
Sesame	-	-	-	-
Rape seed	8,930	131	666	5.07
Vegetables	111,670	7,030	304,164	
Lettuce	*	*	-	-
Head cabbage	2,056	19	2,294	123.62
Ethiopian cabbage	100,278	1,569	182,226	116.15
Tomatoes	4,276	16	2,412	150.12
Green peppers	*	*	*	*
Red peppers	43,934	5,412	116,052	21.44
Swiss chard	758	*	*	*
Root crops	23,097	201	*	
Beetroot	2,662	*	*	*
Carrot	1,357	1	50	91.44
Onion	5,383	*	-	-
Potatoes	9,295	*	*	*
Garlic	4,765	11	-	-
Taro / 'Godere'	*	*	*	*
Sweet potatoes	2,822	6	-	-
Fruit crops	34,900	201	8,836	
Avocados	7,072	13	296	23.57
Bananas	24,171	93	3,757	40.44
Guavas	*	*	*	*
Lemons	1,660	3	68	19.56
Mangoes	*	*	-	-
Oranges	6,809	*	*	*
Papayas	4,838	8	810	102.41
Pineapples	-	-	-	-
Chat	67,484	1,941	25,397	13.09
Coffee	36,075	316	1,357	4.3
Hops	*	*	*	*
Sugar cane	13,089	65	3,752	58.07

Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2003/2004 (1996 E.C)

Alaba Special Wereda

Crop	Number of holders	Area in hectare	Production in quintals	Yield (qt / ha)
Grain	31,343	22,549	353,598	
Cereals	31,238	21,623	348,357	
Teff	14,588	3,716	24,854	6.69
Barley	1,721	121	1,367	11.27
Wheat	8,241	1,511	20,030	13.26
Maize	30,751	12,308	249,123	20.24
Sorghum	22,699	2,854	39,009	13.67
Finger millet	12,062	1,099	13,975	12.72
Oats / 'Aja'	-	-	-	-
Rice	*	*	-	-
Pulses	14,857	882	5,087	
Horse beans	*	*	*	*
Field peas	*	*	-	-
Haricot beans	12,311	646	4,179	6.47
Chick-peas	364	*	*	*
Lentils	1,000	56	122	2.17
Vetch	-	-	-	-
Soya beans	-	-	-	-
Fenugreek	3,434	128	393	3.06
Gibto	-	-	-	-
Oilseeds	2,270	44	154	
Neug	-	-	-	-
Linseed	1,320	27	52	1.9
Groundnuts	-	-	-	-
Safflower	*	*	-	-
Sesame	*	*	-	-
Rape seed	944	16	*	*
Vegetables	25,849	2,510	87,605	
Lettuce	*	*	-	-
Head cabbage	751	6	820	129.58
Ethiopian cabbage	22,334	455	51,446	113
Tomatoes	*	*	*	*
Green peppers	*	*	*	*
Red peppers	15,846	2,045	35,053	17.14
Swiss chard	*	*	-	-
Root crops	5,549	91	10,183	
Beetroot	366	*	*	*
Carrot	*	*	-	-
Onion	574	2	235	148.61
Potatoes	4,486	83	9,271	111.3
Garlic	*	*	*	*
Taro / 'Godere'	-	-	-	-
Sweet potatoes	457	5	464	101.09
Fruit crops	4,527	26	1,506	
Avocados	798	*	*	*
Bananas	2,809	16	1,148	71.38
Guavas	771	*	*	*
Lemons	358	1	-	-
Mangoes	*	*	*	*
Oranges	*	*	*	*
Papayas	770	3	116	38.64
Pineapples	-	-	-	-
Chat	16,856	830	10,004	12.06
Coffee	3,058	51	409	8
Hops	-	-	-	-
Sugar cane	517	2	112	46.83

Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2003/2004 (1996 E.C)

Gambela Region

Crop	Number of holders	Area in hectare	Production in quintals	Yield (qt / ha)
Grain	29,871	9,707	-	
Cereals	28,385	8,971	-	-
Teff	*	*	-	-
Barley	*	*	-	-
Wheat	-	-	-	-
Maize	24,615	5,967	-	-
Sorghum	12,806	2,945	-	-
Finger millet	579	40	-	-
Oats / 'Aja'	-	-	-	-
Rice	233	16	-	-
Pulses	6,228	124	-	-
Horse beans	*	*	-	-
Field peas	*	*	-	-
Haricot beans	6,196	122	-	-
Chick-peas	*	*	-	-
Lentils	-	-	-	-
Vetch	-	-	-	-
Soya beans	*	*	-	-
Fenugreek	-	-	-	-
Gibto	-	-	-	-
Oilseeds	5,051	612	-	-
Neug	*	*	-	-
Linseed	-	-	-	-
Groundnuts	2,944	62	-	-
Safflower	327	2	-	-
Sesame	1,894	*	-	-
Rape seed	190	*	-	-
Vegetables	6,159	72	-	-
Lettuce	-	-	-	-
Head cabbage	207	*	-	-
Ethiopian cabbage	2,448	22	-	-
Tomatoes	2,300	12	-	-
Green peppers	1,118	11	-	-
Red peppers	1,419	25	-	-
Swiss chard	*	*	-	-
Root crops	10,314	507	-	-
Beetroot	*	*	-	-
Carrot	*	*	-	-
Onion	254	*	-	-
Potatoes	1,641	*	-	-
Garlic	263	0	-	-
Taro / 'Godere'	7,542	384	-	-
Sweet potatoes	4,231	95	-	-
Fruit crops	14,687	404	-	-
Avocados	1,432	7	-	-
Bananas	7,776	183	-	-
Guavas	568	*	-	-
Lemons	612	4	-	-
Mangoes	8,466	141	-	-
Oranges	1,411	13	-	-
Papayas	8,230	50	-	-
Pineapples	423	3	-	-
Chat	1,778	39	-	-
Coffee	7,544	2,308	-	-
Hops	950	7	-	-
Sugar cane	5,534	96	-	-

Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2003/2004 (1996 E.C)

Zone 1

Crop	Number of holders	Area in hectare	Production in quintals	Yield (qt / ha)
Grain	13,975	3,989	-	
Cereals	13,426	3,901	-	
Teff	-	-	-	-
Barley	-	-	-	-
Wheat	-	-	-	-
Maize	12,398	3,276	-	-
Sorghum	4,207	625	-	-
Finger millet	-	-	-	-
Oats / 'Aja'	-	-	-	-
Rice	-	-	-	-
Pulses	1,758	17	-	-
Horse beans	-	-	-	-
Field peas	-	-	-	-
Haricot beans	1,758	17	-	-
Chick-peas	-	-	-	-
Lentils	-	-	-	-
Vetch	-	-	-	-
Soya beans	-	-	-	-
Fenugreek	-	-	-	-
Gibto	-	-	-	-
Oilseeds	2,041	71	-	-
Neug	-	-	-	-
Linseed	-	-	-	-
Groundnuts	*	*	-	-
Safflower	*	*	-	-
Sesame	*	*	-	-
Rape seed	-	-	-	-
Vegetables	1,047	4	-	-
Lettuce	-	-	-	-
Head cabbage	-	-	-	-
Ethiopian cabbage	*	*	-	-
Tomatoes	*	3	-	-
Green peppers	*	*	-	-
Red peppers	-	-	-	-
Swiss chard	-	-	-	-
Root crops	2,030	*	-	-
Beetroot	-	-	-	-
Carrot	-	-	-	-
Onion	-	-	-	-
Potatoes	*	*	-	-
Garlic	-	-	-	-
Taro / 'Godere'	745	*	-	-
Sweet potatoes	*	*	-	-
Fruit crops	4,363	147.34	-	-
Avocados	*	*	-	-
Bananas	2,803	51.36	-	-
Guavas	*	*	-	-
Lemons	*	*	-	-
Mangoes	2,879	84.16	-	-
Oranges	*	*	-	-
Papayas	2,182	9.29	-	-
Pineapples	-	-	-	-
Chat	-	-	-	-
Coffee	-	-	-	-
Hops	-	-	-	-
Sugar cane	*	*	-	-

Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2003/2004 (1996 E.C)

Zone 2

Crop	Number of holders	Area in hectare	Production in quintals	Yield (qt / ha)
Grain	15,895	5,717	-	
Cereals	14,960	5,070	-	
Teff	*	*	-	-
Barley	*	*	-	-
Wheat	-	-	-	-
Maize	12,216	2,691	-	-
Sorghum	8,599	2,320	-	-
Finger millet	579	40	-	-
Oats / 'Aja'	-	-	-	-
Rice	233	16	-	-
Pulses	4,470	107	-	-
Horse beans	*	*	-	-
Field peas	*	*	-	-
Haricot beans	4,438	105	-	-
Chick-peas	*	*	-	-
Lentils	-	-	-	-
Vetch	-	-	-	-
Soya beans	*	*	-	-
Fenugreek	-	-	-	-
Gibto	-	-	-	-
Oilseeds	3,010	*	-	-
Neug	*	*	-	-
Linseed	-	-	-	-
Groundnuts	1,338	31	-	-
Safflower	297	2	-	-
Sesame	1,413	*	-	-
Rape seed	190	*	-	-
Vegetables	5,112	68	-	-
Lettuce	-	-	-	-
Head cabbage	207	*	-	-
Ethiopian cabbage	2,417	21	-	-
Tomatoes	1,285	9	-	-
Green peppers	942	11	-	-
Red peppers	1,419	25	-	-
Swiss chard	*	*	-	-
Root crops	8,284	446	-	-
Beetroot	*	*	-	-
Carrot	*	*	-	-
Onion	254	*	-	-
Potatoes	1,594	*	-	-
Garlic	263	0	-	-
Taro / 'Godere'	6,797	355	-	-
Sweet potatoes	2,626	63	-	-
Fruit crops	10,324	257	-	
Avocados	1,383	7	-	-
Bananas	4,973	132	-	-
Guavas	475	*	-	-
Lemons	583	3	-	-
Mangoes	5,588	56	-	-
Oranges	1,319	12	-	-
Papayas	6,048	41	-	-
Pineapples	423	3	-	-
Chat	1,778	39	-	-
Coffee	7,544	2,308	-	-
Hops	950	7	-	-
Sugar cane	5,342	95	-	-

Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2003/2004 (1996 E.C)

Harari Region

Crop	Number of holders	Area in hectare	Production in quintals	Yield (qt / ha)
Grain	14,489	7,638	65,862	
Cereals	14,462	6,064	53,062	
Teff	-	-	-	-
Barley	*	*	*	*
Wheat	809	*	*	*
Maize	10,590	925	12,053	13.02
Sorghum	13,952	5,053	40,297	7.97
Finger millet	-	-	-	-
Oats / 'Aja'	*	*	*	*
Rice	-	-	-	-
Pulses	503	13	88	
Horse beans	*	*	-	-
Field peas	*	*	-	-
Haricot beans	396	10	88	8.76
Chick-peas	-	-	-	-
Lentils	*	*	-	-
Vetch	-	-	-	-
Soya beans	-	-	-	-
Fenugreek	*	*	-	-
Gibto	-	-	-	-
Oilseeds	6,992	1,561	12,712	
Neug	-	-	-	-
Linseed	-	-	-	-
Groundnuts	6,992	1,524	12,452	8.17
Safflower	-	-	-	-
Sesame	486	37	260	7.12
Rape seed	-	-	-	-
Vegetables	*	*	-	
Lettuce	-	-	-	-
Head cabbage	*	*	-	-
Ethiopian cabbage	*	*	-	-
Tomatoes	-	-	-	-
Green peppers	-	-	-	-
Red peppers	*	*	-	-
Swiss chard	-	-	-	-
Root crops	1,907	104	4,325	
Beetroot	-	-	-	-
Carrot	-	-	-	-
Onion	*	*	-	-
Potatoes	*	*	-	-
Garlic	*	*	-	-
Taro / 'Godere'	-	-	-	-
Sweet potatoes	1,371	58	4,325	74.71
Fruit crops	4,876	220	828	
Avocados	-	-	-	-
Bananas	902	32	618	19.3
Guavas	921	26	-	-
Lemons	178	*	-	-
Mangoes	3,304	154	154	1
Oranges	*	*	*	*
Papayas	1,054	6	-	-
Pineapples	-	-	-	-
Chat	11,740	2,038	33,363	16.37
Coffee	1,236	35	161	4.6
Hops	*	*	-	-
Sugar cane	*	*	-	-

Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2003/2004 (1996 E.C)

Addis Abeba City Administration

Crop	Number of holders	Area in hectare	Production in quintals	Yield (qt / ha)
Grain	14,192	22,979	266,705	
Cereals	13,530	19,816	223,949	
Teff	10,016	9,551	84,426	8.84
Barley	1,062	*	*	*
Wheat	9,788	9,589	135,126	14.09
Maize	3,617	66	203	3.1
Sorghum	*	*	*	*
Finger millet	*	*	-	-
Oats / 'Aja'	320	17	152	8.78
Rice	*	*	-	-
Pulses	8,007	3,143	42,729	
Horse beans	3,937	305	2,779	9.11
Field peas	893	120	565	4.69
Haricot beans	420	3	*	*
Chick-peas	3,922	1,353	19,684	14.55
Lentils	1,368	196	1,788	9.13
Vetch	4,248	937	16,073	17.16
Soya beans	-	-	-	-
Fenugreek	2,139	229	1,834	8.02
Gibto	-	-	-	-
Oilseeds	942	21	28	
Neug	*	*	*	*
Linseed	226	14	17	1.21
Groundnuts	-	-	-	-
Safflower	316	3	-	-
Sesame	-	-	-	-
Rape seed	400	2	*	*
Vegetables	5,688	54	-	
Lettuce	498	2	-	-
Head cabbage	496	*	-	-
Ethiopian cabbage	5,126	32	-	-
Tomatoes	156	*	-	-
Green peppers	914	1	-	-
Red peppers	*	*	-	-
Swiss chard	693	*	-	-
Root crops	6,250	212	*	
Beetroot	1,376	*	-	-
Carrot	1,417	102	-	-
Onion	956	*	-	-
Potatoes	447	9	-	-
Garlic	4,868	16	-	-
Taro / 'Godere'	-	-	-	-
Sweet potatoes	*	*	*	*
Fruit crops	133	*	*	
Avocados	-	-	-	-
Bananas	*	*	*	*
Guavas	-	-	-	-
Lemons	-	-	-	-
Mangoes	*	*	-	-
Oranges	*	*	*	*
Papayas	-	-	-	-
Pineapples	-	-	-	-
Chat	395	2	27	15.88
Coffee	192	*	*	*
Hops	2,445	22	-	-
Sugar cane	*	*	-	-

Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2003/2004 (1996 E.C)

Dire Dawa Administration

Crop	Number of holders	Area in hectare	Production in quintals	Yield (qt / ha)
Grain	14,762	7,184	79,419	
Cereals	14,762	6,850	75,474	
Teff	-	-	-	-
Barley	*	*	*	*
Wheat	*	*	*	*
Maize	4,511	184	2,349	12.77
Sorghum	14,644	6,647	73,026	10.99
Finger millet	-	-	-	-
Oats / 'Aja'	*	*	-	-
Rice	-	-	-	-
Pulses	4,534	280	3,336	
Horse beans	-	-	-	-
Field peas	-	-	-	-
Haricot beans	4,419	279	3,333	11.96
Chick-peas	-	-	-	-
Lentils	-	-	-	-
Vetch	-	-	-	-
Soya beans	-	-	-	-
Fenugreek	*	*	*	*
Gibto	-	-	-	-
Oilseeds	942	54	609	
Neug	-	-	-	-
Linseed	-	-	-	-
Groundnuts	630	41	561	13.53
Safflower	-	-	-	-
Sesame	339	*	*	*
Rape seed	-	-	-	-
Vegetables	1,536	36	4,949	
Lettuce	-	-	-	-
Head cabbage	-	-	-	-
Ethiopian cabbage	*	*	-	-
Tomatoes	1,461	35	4,949	139.5
Green peppers	*	*	-	-
Red peppers	-	-	-	-
Swiss chard	-	-	-	-
Root crops	4,262	190	16,953	
Beetroot	*	*	-	-
Carrot	-	-	-	-
Onion	699	*	-	-
Potatoes	*	*	-	-
Garlic	*	*	-	-
Taro / 'Godere'	-	-	-	-
Sweet potatoes	3,698	146	16,953	116
Fruit crops	3,626	75	-	
Avocados	-	-	-	-
Bananas	453	3	-	-
Guavas	678	9	-	-
Lemons	228	*	-	-
Mangoes	762	12	-	-
Oranges	*	*	-	-
Papayas	2,418	35	-	-
Pineapples	-	-	-	-
Chat	8,713	713	-	-
Coffee	3,383	89	300	3.38
Hops	*	*	-	-
Sugar cane	*	*	-	-

APPENDIX I

ESTIMATION PROCEDURES OF TOTAL, RATIO AND SAMPLING ERRORS

APPENDIX I

Estimation Procedures of Totals, Ratios and Sampling Errors

The following formulas were used to estimate total area of land under specific crop, production and yield of specific crop in a stratum.

1. For estimating Total Area of Land under Specific Crop:

$$\hat{A}_h = \sum_{i=1}^{n_h} W_{hi} \sum_{j=1}^{h_{hi}} a_{hij} = \sum_{i=1}^{n_h} W_{hi} a_{hi}$$

in which, $W_{hi} = \frac{M_h H_{hi}}{n_h m_{hi} h_{hi}}$ is the basic weight.

Where:

h represents the stratum

n_h is the total number of sample EAs successfully covered in the h[th] stratum.

M_h is the measure of size of the h[th] stratum as obtained from the sampling frame.

m_{hi} is the measure of size of the i[th] sample EA in the h[th] stratum obtained from the sampling frame.

H_{hi} is the total number of agricultural households of the i[th] sample EA in the h[th] stratum.

h_{hi} is the number of sample agricultural households successfully covered in the i[th] sample EA in the h[th] stratum.

a_{hij} is the value of area for agricultural households j, in the i[th] EA in the h[th] strtatum under a specific crop.

a_{hi} is the sample total area under specific crop for EA i in stratum h

$\hat{A}_h$ estimate of total area under specific crop in stratum h

2. For estimating Total Production under Specific Crop:

$$\hat{P}_h = \sum_{i=1}^{n_h} W_{hi} P_{hi}$$

in which, $P_{hi} = a_{hi} * \bar{Y}_{hi}$

Where, $\bar{Y}_{hi} = \frac{Y_{hi}}{16C_{hi}}$ is average yield per square meter of a specific crop in the i[th] EA in the h[th] stratum.

$\hat{P}_h$ is estimate of total quantity of production of a specific crop in the h[th] stratum.

Y_{hi} is sample total quantity of production of a specific crop from defined area of land for crop cutting of a crop in the i[th] EA in the h[th] stratum.

P_{hi} is estimate of total quantity of production under specific crop for EA i in stratum h.

C_{hi} is the number of crop cutting of a specific crop in the i[th] EA in the h[th] stratum.

3. For estimating yield of a specific crop in stratum h:

$$\hat{Y}_h = \frac{\hat{P}_h}{\hat{A}_h}$$

4. Sampling Variance of Estimates:

Sampling variance for the estimate of stratum total of area, production and yield for a specific crop are estimated by the following formulas.

$$Var(\hat{A}_h) = (1-f_h)\frac{n_h}{n_h-1}\sum_{i=1}^{nh}\left(\hat{A}_{hi} - \frac{\hat{A}h}{nh}\right)^2 + f_h\sum_{i=1}^{nh}(1-f_{hi})\left(\frac{h_{hi}}{h_{hi}-1}\right)\sum_{j=1}^{h_{hi}}\left(\hat{A}_{hij} - \frac{\hat{A}_{hi}}{h_{hi}}\right)^2$$

$$Var(\hat{P}_h) = (1-f_h)\frac{n_h}{n_h-1}\sum_{i=1}^{n_h}\left(\hat{P}_{hi} - \frac{\hat{P}_h}{n_h}\right)^2 + f_h\sum_{i=1}^{n_h}(1-f_{hi})\left(\frac{h_{hi}}{h_{hi}-1}\right)\sum_{j=1}^{h_{hi}}\left(\hat{P}_{hij} - \frac{\hat{P}_{hi}}{h_{hi}}\right)^2$$

$$Var(\hat{Y}_h) = \frac{1}{\hat{A}_h{}^2}\left[Var(\hat{P}_h) + \hat{Y}_h{}^2 Var(\hat{A}_h) - 2\hat{Y}_h Cov(\hat{P}_h, \hat{A}_h)\right]$$

Where,

$$Cov(\hat{P}_h, \hat{A}_h) = (1-f_h)\frac{n_h}{n_h-1}\sum_{i=1}^{n_h}\left(\hat{A}_{hi} - \frac{\hat{A}_h}{n_h}\right)\left(\hat{P}_{hi} - \frac{\hat{P}_h}{n_h}\right) + f_h\sum_{i=1}^{n_h}(1-f_{hi})\left(\frac{h_{hi}}{h_{hi}-1}\right)\sum_{j=1}^{h_{hi}}\left(\hat{A}_{hij} - \frac{\hat{A}_{hi}}{h_{hi}}\right)\left(\hat{P}_{hij} - \frac{\hat{P}_{hi}}{h_{hi}}\right)$$

f_h = average first stage probability of selection of EAs within stratum h.

$f_{hi} = \frac{h_{hi}}{H_{hi}}$ = average second stage probability of selection within the i^{th} sample EA in stratum h.

$\hat{A}_{hi}, \hat{P}_{hi}$ are weighted total area and production, respectively, of a specific crop in the i[th] EA and h[th]

stratum.

$\hat{A}_{hij}, \hat{P}_{hij}$ are weighted values of area and production, respectively, from j[th] agricultural household in the i[th] EA and h[th] stratum under a specific crop.

Since all strata are independent, the total variance at regional and country level is computed by aggregating the result obtained at Zone/Special Wereda level, i.e.

$$Var(\hat{A}) = \sum_{h}^{L} Var(\hat{A}_h), Var(\hat{P}) = \sum_{h}^{L} Var(\hat{P}_h) and Var(\hat{Y}) = \sum_{h}^{L} (\hat{Y}_h)$$

Where, L is the number of strata (Zone/Special Wereda).

In estimating the sampling variance by the above formula, selection of EAs within a stratum is assumed to be with replacement. By so doing the variance estimate may be slightly over estimated but it greatly simplifies the estimation procedure.

5. Coefficient of Variation (CV) of Estimates:

Coefficient of Variation (CV) in percentage of estimate of stratum total of area, production and yield for a specific crop are given by:

$$CV(\hat{A}_h) = \frac{\sqrt{Var(\hat{A}_h)}}{\hat{A}_h} * 100, CV(\hat{P}_h) = \frac{\sqrt{Var(\hat{P}_h)}}{\hat{P}_h} * 100, CV(\hat{Y}_h) = \frac{\sqrt{Var(\hat{Y}_h)}}{\hat{Y}_h} * 100$$

6. Ninety-five percent confidence interval (CI) of stratum total of area:

$$\hat{A}_h \pm 1.96 * SE(\hat{A}_h)$$

Where $SE(\hat{A}_h) = \sqrt{Var(\hat{A}_h)}$ is standard error of the estimate of the stratum total of area.

Estimates of standard error and confidence interval for the other estimates can also be calculated by adopting the above formulas.

APPENDIX II

STANDARD ERRORS AND COEFFICIENTS OF VARIATION OF ESTIMATES

Estimate of Holders, Area, Production, Standard Errors and Coefficient of Variations
For Crops 2003/2004 (1996 E.C)

Ethiopia

Crop	Hoder	Standard Error	CV %	Area	Standard Error	CV %	Production	Standard Error	CV %
Grain	9,841,526	51,881	0.53	8,659,588	120,021	1.39	103,564,132	19,681,358	1.9
Cereals	9,600,119	53,814	0.56	6,990,006	99,783	1.43	90,062,375	18,208,704	2.02
Teff	4,562,884	83,455	1.83	1,989,068	60,120	3.02	16,773,480	5,897,051	3.52
Barley	3,473,800	80,212	2.31	920,125	43,715	4.75	10,796,861	6,401,086	5.93
Wheat	3,380,343	83,957	2.48	1,098,907	49,804	4.53	16,144,412	9,980,185	6.18
Maize	6,275,131	90,973	1.45	1,361,148	38,928	2.86	25,429,653	9,569,420	3.76
Sorghum	3,623,639	78,602	2.17	1,280,709	47,215	3.69	17,424,536	8,181,009	4.7
Finger millet	1,052,580	46,339	4.4	304,718	18,477	6.06	3,051,014	2,212,674	7.25
Oats / 'Aja'	256,657	22,557	8.79	30,048	4,772	15.88	387,337	918,772	23.72
Rice	25,193	7,486	29.71	*	*	*	*	*	*
Pulses	5,301,984	76,007	1.43	1,099,412	31,549	2.87	10,373,131	3,565,981	3.44
Horse beans	2,897,506	71,870	2.48	381,987	14,964	3.92	4,268,917	1,950,841	4.57
Field peas	1,345,080	48,615	3.61	211,564	10,933	5.17	1,703,653	1,003,397	5.89
Haricot beans	1,800,061	60,628	3.37	183,630	13,641	7.43	1,721,529	1,537,510	8.93
Chick-peas	622,318	37,120	5.96	154,281	12,151	7.88	1,359,299	1,234,322	9.08
Lentils	468,270	26,830	5.73	52,062	4,854	9.32	352,748	491,093	13.92
Vetch	409,233	31,228	7.63	82,713	8,407	10.16	789,545	877,325	11.11
Soya beans	14,145	3,248	22.96	1,027	314	30.55	4,574	16,216	35.45
Fenugreek	429,490	25,368	5.91	17,133	1,886	11.01	124,540	164,260	13.19
Gibto	86,216	14,386	16.69	15,016	3,298	21.96	48,326	98,379	20.36
Oilseeds	2,440,699	60,454	2.48	570,171	26,411	4.63	3,128,626	1,875,664	6
Neug	936,784	43,299	4.62	281,717	18,672	6.63	1,189,950	1,131,999	9.51
Linseed	878,339	38,179	4.35	142,899	14,299	10.01	773,634	1,040,413	13.45
Groundnuts	122,334	19,574	16	20,155	4,764	23.64	207,150	577,384	27.87
Safflower	146,413	17,916	12.24	8,400	1,547	18.42	50,427	109,548	21.72
Sesame	316,907	28,308	8.93	90,980	11,819	12.99	614,621	780,422	12.7
Rape seed	579,305	36,388	6.28	26,020	2,740	10.53	292,844	379,801	12.97
Vegetables	3,824,923	71,760	1.88	82,262	5,158	6.27	3,879,469	2,962,626	7.64
Lettuce	22,408	4,217	18.82	130	61	46.59	*	*	*
Head cabbage	138,123	11,463	8.3	1,842	430	23.32	85,776	246,155	28.7
Ethiopian cabbage	2,227,456	56,703	2.55	22,355	926	4.14	2,135,915	869,552	4.07
Tomatoes	105,209	11,274	10.72	3,749	1,404	37.44	548,707	2,688,076	48.99
Green peppers	593,438	28,847	4.86	4,460	522	11.7	413,870	507,291	12.26
Red peppers	1,301,115	57,459	4.42	49,585	4,839	9.76	669,078	670,209	10.02
Swiss chard	42,403	5,467	12.89	140	37	26.48	10,746	34,460	32.07
Root crops	3,830,898	73,961	1.93	158,223	7,579	4.79	16,055,245	8,546,638	5.32
Beetroot	178,938	12,812	7.16	1,216	279	22.98	140,955	511,970	36.32
Carrot	84,300	7,831	9.29	1,108	336	30.33	100,232	367,664	36.68
Onion	786,605	37,038	4.71	17,016	3,256	19.13	2,166,893	4,499,603	20.77
Potatoes	1,149,004	55,155	4.8	54,576	5,649	10.35	5,097,150	5,954,788	11.68
Garlic	1,070,286	41,632	3.89	9,465	1,097	11.59	1,353,939	1,572,638	11.62
Taro / 'Godere'	879,430	34,722	3.95	27,996	1,827	6.53	2,224,646	1,435,224	6.45
Sweet potatoes	1,017,954	42,088	4.13	46,847	2,730	5.83	4,971,428	2,869,623	5.77
Fruit crops	1,937,471	55,370	2.86	43,934	7,138	16.25	2,495,902	4,949,714	19.83
Avocados	390,344	22,946	5.88	2,931	315	10.74	172,007	190,739	11.09
Bananas	1,285,380	43,982	3.42	28,900	6,023	20.84	1,751,497	4,201,398	23.99
Guavas	134,132	13,018	9.71	1,060	223	21.02	11,942	28,146	23.57
Lemons	114,143	9,716	8.51	731	116	15.87	9,661	14,723	15.24
Mangoes	341,600	24,398	7.14	4,823	913	18.94	292,283	708,563	24.24
Oranges	302,474	23,317	7.71	2,521	374	14.83	126,118	163,856	12.99
Papayas	368,448	21,282	5.78	2,321	231	9.95	132,039	130,996	9.92
Pineapples	21,439	9,512	44.37	*	*	*	*	*	*
Chat	1,729,447	51,596	2.98	111,539	6,297	5.65	933,398	548,706	5.88
Coffee	2,413,283	67,458	2.8	230,131	14,106	6.13	1,261,880	871,641	6.91
Hops	1,471,573	47,523	3.23	20,786	2,866	13.79	249,204	226,515	9.09
Sugar cane	712,184	30,902	4.34	14,196	1,149	8.09	997,600	900,919	9.03

Estimate of Holders, Area, Production, Standard Errors and Coefficient of Variations
For Crops 2003/2004 (1996 E.C)

Tigray

Crop	Holder	Standard Error	CV %	Area	Standard Error	CV %	Production	Standard Error	CV %
Grain	637,791	10,219	1.6	592,156	27,390	4.63	6,530,625	3,779,930	5.79
Cereals	632,267	10,119	1.6	512,432	25,610	5	5,857,344	3,627,462	6.19
Teff	389,573	15,327	3.93	136,740	10,955	8.01	1,047,565	1,087,896	10.38
Barley	344,546	15,453	4.48	76,521	6,884	9	820,770	636,987	7.76
Wheat	270,543	17,193	6.36	74,466	8,246	11.07	866,686	851,691	9.83
Maize	365,309	15,054	4.12	43,622	3,411	7.82	637,843	639,037	10.02
Sorghum	245,485	19,373	7.89	128,927	17,955	13.93	1,942,050	2,824,428	14.54
Finger millet	207,053	12,835	6.2	51,709	4,909	9.49	540,810	740,702	13.7
Oats / 'Aja'	*	*	*	*	*	*	*	*	*
Rice	*	*	*	*	*	*	-	-	-
Pulses	279,712	15,811	5.65	41,139	3,653	8.88	371,565	374,216	10.07
Horse beans	176,269	15,844	8.99	14,880	1,914	12.87	179,752	256,484	14.27
Field peas	54,401	6,993	12.86	4,944	927	18.75	45,785	89,105	19.46
Haricot beans	10,772	3,037	28.2	1,082	467	43.14	6,635	31,451	47.4
Chick-peas	39,125	6,177	15.79	8,521	1,669	19.59	65,623	147,008	22.4
Lentils	40,655	6,768	16.65	5,348	1,061	19.84	33,491	77,154	23.04
Vetch	29,155	5,777	19.82	5,817	1,353	23.26	38,272	93,996	24.56
Soya beans	*	*	*	*	*	*	*	*	*
Fenugreek	20,435	3,730	18.25	513	133	25.98	1,919	7,395	38.53
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	136,270	9,204	6.75	38,585	4,344	11.26	301,716	374,420	12.41
Neug	34,764	5,077	14.6	6,055	1,266	20.92	42,862	96,692	22.56
Linseed	60,973	5,560	9.12	6,162	875	14.21	28,806	49,609	17.22
Groundnuts	*	*	*	*	*	*	-	-	-
Safflower	*	*	*	*	*	*	-	-	-
Sesame	51,737	7,725	14.93	26,280	4,417	16.81	230,048	385,674	16.76
Rape seed	2,254	984	43.66	*	*	*	-	-	-
Vegetables	127,501	11,481	9	1,817	288	15.87	95,147	217,693	22.88
Lettuce	6,306	1,573	24.94	*	*	*	*	*	*
Head cabbage	7,463	1,939	25.98	*	*	*	*	*	*
Ethiopian cabbage	*	*	*	*	*	*	-	-	-
Tomatoes	20,592	3,864	18.76	366	127	34.64	49,953	184,421	36.92
Green peppers	29,582	5,454	18.44	279	89	31.97	23,867	74,270	31.12
Red peppers	78,639	9,260	11.78	932	145	15.61	10,471	18,032	17.22
Swiss chard	9,032	2,241	24.81	74	35	47.13	7,668	33,631	43.86
Root crops	80,096	11,397	14.23	1,636	341	20.83	213,475	468,968	21.97
Beetroot	*	*	*	*	*	*	-	-	-
Carrot	*	*	*	*	*	*	*	*	*
Onion	37,480	6,274	16.74	638	184	28.82	85,371	243,072	28.47
Potatoes	26,687	6,782	25.41	419	124	29.54	39,264	125,233	31.9
Garlic	34,962	7,480	21.39	506	198	39.19	80,584	325,819	40.43
Taro / 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	*	*	*	*	-	-	-
Fruit crops	20,057	2,994	14.93	111	26	23.74	516	1,298	25.15
Avocados	*	*	*	*	*	*	-	-	-
Bananas	2,474	789	31.88	*	*	*	-	-	-
Guavas	6,319	1,322	20.91	18	6	35.05	-	-	-
Lemons	6,167	1,212	19.65	18	4	23.85	516	1,298	25.15
Mangoes	*	*	*	*	*	*	-	-	-
Oranges	5,797	1,337	23.07	30	12	41.85	-	-	-
Papayas	6,710	1,826	27.21	32	11	34.16	-	-	-
Pineapples	-	-	-	-	-	-	-	-	-
Chat	6,355	2,859	44.98	*	*	*	-	-	-
Coffee	4,561	1,009	22.12	*	*	*	-	-	-
Hops	108,558	12,087	11.13	1,640	425	25.92	69,579	176,701	25.4
Sugar cane	*	*	*	*	*	*	-	-	-

Estimate of Holders Area, Production, Standard Errors and Coefficient of Variations
For Crops 2003/2004 (1996 E.C)

Afar

Crop	Holder	Standard Error	CV %	Area	Standard Error	CV %	Production	Standard Error	CV %
Grain	10,590	1,196	11.29	13,247	1,842	13.91	262,048	329,180	12.56
Cereals	10,507	1,199	11.41	12,484	1,688	13.52	252,297	324,563	12.86
Teff	3,196	844	26.4	1,516	449	29.61	10,177	29,369	28.86
Barley	*	*	*	*	*	*	*	*	*
Wheat	*	*	*	*	*	*	*	*	*
Maize	9,579	1,035	10.81	7,826	997	12.74	212,822	307,751	14.46
Sorghum	3,608	906	25.11	3,045	866	28.42	28,635	74,155	25.9
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	2,135	612	28.68	320	112	35.1	3,144	12,200	38.81
Horse beans	-	-	-	-	-	-	-	-	-
Field peas	-	-	-	-	-	-	-	-	-
Haricot beans	2,019	592	29.35	283	103	36.54	2,997	11,991	40.01
Chick-peas	162	72	44.34	29	14	47.29	104	493	47.29
Lentils	*	*	*	*	*	*	*	*	*
Vetch	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	*	*	*	*	*	*	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	1,714	521	30.43	443	169	38.1	6,607	32,775	49.6
Neug	*	*	*	*	*	*	*	*	*
Linseed	*	*	*	*	*	*	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	785	258	32.89	54	21	38.44	-	-	-
Sesame	1,214	444	36.59	387	158	40.85	6,606	32,775	49.61
Rape seed	-	-	-	-	-	-	-	-	-
Vegetables	992	316	31.84	16	5	32.52	222	907	40.88
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	*	*	*	*	*	*	-	-	-
Tomatoes	*	*	*	*	*	*	-	-	-
Green peppers	*	*	*	*	*	*	-	-	-
Red peppers	720	251	34.81	10	4	40.88	222	907	40.88
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	555	241	43.42	*	*	*	*	*	*
Beetroot	*	*	*	*	*	*	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	507	237	46.66	*	*	*	*	*	*
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro / 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	*	*	*	*	-	-	-
Fruit crops	1,411	617	43.75	*	*	*	-	-	-
Avocados	-	-	-	-	-	-	-	-	-
Bananas	*	*	*	*	*	*	-	-	-
Guavas	-	-	-	-	-	-	-	-	-
Lemons	*	*	*	*	*	*	-	-	-
Mangoes	-	-	-	-	-	-	-	-	-
Oranges	*	*	*	-	-	-	-	-	-
Papayas	335	123	36.71	*	*	*	-	-	-
Pineapples	-	-	-	-	-	-	-	-	-
Chat	-	-	-	-	-	-	-	-	-
Coffee	*	*	*	*	*	*	-	-	-
Hops	429	204	47.53	*	*	*	-	-	-
Sugar cane	164	79	47.93	*	*	*	-	-	-

Estimate of Holders Area, Production, Standard Errors and Coefficient of Variations
For Crops 2003/2004 (1996 E.C)

Amhara

Crop	Holder	Standard Error	CV %	Area	Standard Error	CV %	Production	Standard Error	CV %
Grain	2,898,155	19,140	0.66	3,168,181	69,792	2.2	33,801,387	10,174,144	3.01
Cereals	2,854,664	20,231	0.71	2,401,872	55,379	2.31	27,491,561	9,163,697	3.33
Teff	1,804,443	49,716	2.76	826,443	36,620	4.43	7,304,077	3,900,501	5.34
Barley	1,397,016	50,482	3.61	357,174	23,813	6.67	3,671,086	3,110,385	8.47
Wheat	1,114,986	50,409	4.52	332,645	25,023	7.52	4,145,700	3,897,561	9.4
Maize	1,715,013	54,676	3.19	258,195	14,216	5.51	4,644,115	3,891,570	8.38
Sorghum	935,825	49,812	5.32	457,450	31,919	6.98	6,039,494	5,306,185	8.79
Finger millet	410,137	33,994	8.29	156,868	15,916	10.15	1,555,811	1,876,114	12.06
Oats / 'Aja'	95,102	13,972	14.69	8,776	1,879	21.41	83,862	203,382	24.25
Rice	17,760	7,216	40.63	*	*	*	*	*	*
Pulses	1,840,110	43,278	2.35	540,483	24,340	4.5	5,150,674	2,699,890	5.24
Horse beans	1,213,791	48,081	3.96	184,586	10,973	5.94	2,154,367	1,462,228	6.79
Field peas	630,267	34,941	5.54	99,633	7,743	7.77	845,699	733,461	8.67
Haricot beans	271,399	30,227	11.14	43,144	8,444	19.57	385,525	749,619	19.44
Chick-peas	391,329	32,175	8.22	98,393	10,411	10.58	877,655	1,049,847	11.96
Lentils	276,532	22,102	7.99	35,488	4,500	12.68	258,490	475,031	18.38
Vetch	256,364	26,731	10.43	55,388	7,751	13.99	509,899	797,346	15.64
Soya beans	*	*	*	*	*	*	-	-	-
Fenugreek	173,279	15,805	9.12	9,057	1,635	18.06	70,904	142,287	20.07
Gibto	83,221	14,345	17.24	14,705	3,291	22.38	48,134	98,365	20.44
Oilseeds	1,118,384	39,754	3.55	225,827	16,054	7.11	1,159,152	1,033,244	8.91
Neug	503,424	32,099	6.38	143,732	13,275	9.24	579,056	688,472	11.89
Linseed	364,480	22,299	6.12	31,884	3,578	11.22	112,456	140,855	12.53
Groundnuts	*	*	*	*	*	*	*	*	*
Safflower	107,484	17,060	15.87	7,005	1,481	21.14	44,107	104,847	23.77
Sesame	107,212	20,276	18.91	22,112	6,962	31.49	142,237	372,954	26.22
Rape seed	368,462	30,873	8.38	19,305	2,488	12.89	244,186	366,723	15.02
Vegetables	888,456	42,272	4.76	21,227	3,416	16.09	354,864	453,172	12.77
Lettuce	*	*	*	*	*	*	-	-	-
Head cabbage	18,532	4,177	22.54	*	*	*	*	*	*
Ethiopian cabbage	138,154	17,569	12.72	639	101	15.76	56,605	95,308	16.84
Tomatoes	17,856	4,320	24.19	219	94	42.95	*	*	*
Green peppers	102,926	13,396	13.02	658	145	22	62,036	140,771	22.69
Red peppers	654,836	42,876	6.55	19,427	3,386	17.43	217,601	393,710	18.09
Swiss chard	10,264	3,160	30.79	18	6	34.59	*	*	*
Root crops	951,475	40,529	4.26	31,308	3,556	11.36	2,863,890	2,944,028	10.28
Beetroot	15,052	3,599	23.91	*	*	*	*	*	*
Carrot	18,036	4,075	22.59	*	*	*	*	*	*
Onion	207,341	21,006	10.13	4,395	849	19.31	500,677	1,020,209	20.38
Potatoes	386,847	33,662	8.7	22,076	3,344	15.15	1,753,298	2,503,295	14.28
Garlic	559,323	29,847	5.34	4,184	512	12.24	577,418	721,737	12.5
Taro / 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	19,258	6,902	35.84	340	162	47.52	*	*	*
Fruit crops	169,901	20,469	12.05	1,804	453	25.12	16,683	64,365	38.58
Avocados	2,773	1,016	36.64	14	6	43.94	-	-	-
Bananas	57,950	10,060	17.36	425	89	20.95	2,573	6,378	24.79
Guavas	29,702	7,816	26.32	178	54	30.17	872	2,967	34.01
Lemons	36,347	5,210	14.34	139	34	24.12	*	*	*
Mangoes	15,236	5,270	34.59	77	27	35.08	-	-	-
Oranges	61,502	13,416	21.81	731	305	41.73	*	*	*
Papayas	48,164	9,556	19.84	240	71	29.56	1,936	7,146	36.91
Pineapples	-	-	-	-	-	-	-	-	-
Chat	102,004	18,162	17.81	2,718	876	32.24	13,566	62,169	45.83
Coffee	218,693	24,219	11.07	4,274	732	17.13	6,976	13,868	19.88
Hops	751,691	37,765	5.02	13,481	2,800	20.77	57,502	84,704	14.73
Sugar cane	44,944	8,542	19.01	686	195	28.35	2,039	6,545	32.1

Estimate of Holders Area, Production, Standard Errors and Coefficient of Variations
For Crops 2003/2004 (1996 E.C)

Oromia

Crop	Holder	Standard Error	CV %	Area	Standard Error	CV %	Production	Standard Error	CV %
Grain	3,978,818	36,295	0.91	3,808,081	88,444	2.32	50,865,974	15,717,433	3.09
Cereals	3,909,652	36,119	0.92	3,168,456	73,959	2.33	45,713,702	14,646,416	3.2
Teff	1,656,052	58,603	3.54	820,135	43,770	5.34	7,044,555	4,124,247	5.85
Barley	1,202,608	50,968	4.24	412,329	35,401	8.59	5,490,747	5,488,410	10
Wheat	1,422,114	57,485	4.04	556,354	41,173	7.4	9,128,645	8,987,241	9.85
Maize	2,843,288	57,199	2.01	786,365	32,699	4.16	15,515,581	7,970,719	5.14
Sorghum	1,688,164	50,128	2.97	500,943	28,562	5.7	7,566,266	5,466,629	7.23
Finger millet	350,988	26,930	7.67	71,966	6,832	9.49	673,669	744,709	11.05
Oats / 'Aja'	142,812	17,416	12.2	19,998	4,375	21.88	292,061	895,408	30.66
Rice	5,061	1,804	35.64	367	165	45.1	*	*	*
Pulses	1,976,256	47,805	2.42	374,231	18,385	4.91	3,697,507	2,178,368	5.89
Horse beans	974,811	42,348	4.34	132,865	9,265	6.97	1,455,882	1,194,985	8.21
Field peas	384,889	27,112	7.04	70,063	6,882	9.82	551,277	617,423	11.2
Haricot beans	861,310	38,459	4.47	91,766	9,760	10.64	984,136	1,263,506	12.84
Chick-peas	159,643	16,794	10.52	42,444	5,982	14.09	380,113	629,960	16.57
Lentils	120,907	12,685	10.49	9,897	1,465	14.8	54,654	97,224	17.79
Vetch	113,332	14,849	13.1	20,064	2,945	14.68	222,136	352,120	15.85
Soya beans	5,183	2,465	47.57	*	*	*	*	*	*
Fenugreek	200,087	18,470	9.23	6,507	910	13.99	47,322	81,413	17.2
Gibto	2,055	1,000	48.65	*	*	*	-	-	-
Oilseeds	992,579	43,703	4.4	265,394	20,246	7.63	1,454,765	1,503,765	10.34
Neug	360,860	28,155	7.8	117,736	12,822	10.89	518,101	887,051	17.12
Linseed	396,824	30,068	7.58	102,326	13,806	13.49	623,046	1,029,182	16.52
Groundnuts	76,703	18,466	24.07	12,653	4,508	35.62	118,554	469,920	39.64
Safflower	24,637	4,975	20.19	988	439	44.46	*	*	*
Sesame	101,385	17,551	17.31	25,520	8,164	31.99	143,759	547,328	38.07
Rape seed	180,574	18,641	10.32	6,171	1,144	18.53	45,777	98,570	21.53
Vegetables	1,501,808	45,517	3.03	31,940	3,109	9.73	1,822,822	2,809,043	15.41
Lettuce	11,488	3,756	32.69	*	*	*	*	*	*
Head cabbage	86,609	9,829	11.35	1,238	393	31.77	49,496	210,220	42.47
Ethiopian cabbage	895,484	41,604	4.65	8,867	658	7.42	790,070	568,334	7.19
Tomatoes	47,632	9,122	19.15	2,840	1,392	49.01	*	*	*
Green peppers	362,304	23,282	6.43	3,000	486	16.21	284,192	475,622	16.74
Red peppers	405,354	32,647	8.05	15,871	2,725	17.17	212,602	401,096	18.87
Swiss chard	9,343	2,239	23.97	20	7	34.98	1,008	4,996	49.58
Root crops	1,485,047	49,635	3.34	59,909	5,948	9.93	6,777,133	7,430,714	10.96
Beetroot	118,733	11,415	9.61	845	261	30.86	112,199	501,130	44.66
Carrot	43,768	5,689	13	*	*	*	69,340	331,812	47.85
Onion	384,635	25,491	6.63	10,244	3,122	30.48	1,397,159	4,359,622	31.2
Potatoes	397,503	36,303	9.13	22,955	4,427	19.29	2,560,427	5,315,003	20.76
Garlic	403,165	26,845	6.66	4,237	940	22.19	619,353	1,339,878	21.63
Taro / 'Godere'	274,003	22,860	8.34	7,619	1,248	16.38	577,302	939,380	16.27
Sweet potatoes	393,195	25,146	6.4	13,416	1,287	9.59	1,441,353	1,391,644	9.66
Fruit crops	773,827	34,924	4.51	13,807	1,085	7.86	672,248	587,722	8.74
Avocados	46,546	7,414	15.93	393	113	28.75	16,559	51,022	30.81
Bananas	561,751	28,857	5.14	9,233	817	8.85	463,184	435,658	9.41
Guavas	60,700	9,386	15.46	633	212	33.55	8,540	27,524	32.23
Lemons	29,145	5,466	18.75	136	31	22.77	3,013	8,682	28.81
Mangoes	184,891	18,124	9.8	1,730	263	15.22	79,927	118,058	14.77
Oranges	111,916	13,986	12.5	776	144	18.5	57,150	128,178	22.43
Papayas	133,134	13,532	10.16	869	174	20	43,523	82,548	18.97
Pineapples	3,674	1,224	33.32	36	16	44.97	*	*	*
Chat	1,035,555	33,645	3.25	75,196	5,464	7.27	543,737	432,775	7.96
Coffee	987,758	44,587	4.51	152,947	13,108	8.57	866,985	834,770	9.63
Hops	413,727	22,101	5.34	3,871	355	9.16	97,463	105,135	10.79
Sugar cane	215,245	17,365	8.07	4,570	710	15.53	360,852	638,144	17.68

Estimate of Holders Area, Production, Standard Errors and Coefficient of Variations
For Crops 2003/2004 (1996 E.C)

Somale

Crop	Holder	Standard Error	CV %	Area	Standard Error	CV %	Production	Standard Error	CV %
Grain	84,340	3,979	4.72	70,501	5,122	7.27	563,854	843,913	14.97
Cereals	83,954	3,962	4.72	67,731	5,003	7.39	553,334	823,286	14.88
Teff	*	*	*	*	*	*	*	*	*
Barley	22,149	3,769	17.02	4,012	864	21.52	41,925	124,717	29.75
Wheat	35,292	5,027	14.25	10,128	1,737	17.15	118,573	283,452	23.91
Maize	71,241	3,935	5.52	22,046	2,292	10.4	116,145	248,437	21.39
Sorghum	61,758	4,325	7	31,008	3,283	10.59	270,368	374,949	13.87
Finger millet	*	*	*	*	*	*	-	-	-
Oats / 'Aja'	6,577	2,069	31.46	470	179	38.11	6,321	28,942	45.79
Rice	-	-	-	-	-	-	-	-	-
Pulses	19,699	3,116	15.82	2,531	500	19.76	10,112	49,930	49.38
Horse beans	*	*	*	*	*	*	-	-	-
Field peas	2,186	821	37.54	*	*	*	*	*	*
Haricot beans	12,520	2,651	21.18	1,744	423	24.24	*	*	*
Chick-peas	1,948	710	36.48	161	68	42.03	197	769	38.99
Lentils	1,681	790	46.96	*	*	*	*	*	*
Vetch	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	3,610	963	26.68	272	111	41.01	514	1,976	38.44
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	5,255	1,440	27.41	240	89	37	409	1,788	43.77
Neug	*	*	*	*	*	*	-	-	-
Linseed	4,540	1,392	30.65	210	87	41.29	401	1,788	44.65
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	*	*	*	*	*	*	7	25	38.13
Rape seed	*	*	*	*	*	*	*	*	*
Vegetables	2,241	441	19.68	140	67	47.93	1,254	2,809	22.4
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	*	*	*	*	*	*	-	-	-
Ethiopian cabbage	*	*	*	*	*	*	-	-	-
Tomatoes	1,709	405	23.7	*	*	*	1,254	2,809	22.4
Green peppers	679	190	28.02	12	3	27.85	-	-	-
Red peppers	*	*	*	*	*	*	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	12,236	3,093	25.28	906	266	29.35	73,896	256,782	34.75
Beetroot	*	*	*	*	*	*	-	-	-
Carrot	*	*	*	*	*	*	-	-	-
Onion	3,075	1,322	43	126	55	43.78	19,774	88,512	44.76
Potatoes	1,132	432	38.15	*	*	*	*	*	*
Garlic	4,678	1,886	40.31	260	117	44.82	47,185	211,496	44.82
Taro / 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	5,779	2,349	40.65	493	230	46.66	4,313	5,143	11.92
Fruit crops	4,901	743	15.15	384	61	15.93	22,381	20,462	9.14
Avocados	*	*	*	*	*	*	-	-	-
Bananas	1,303	207	15.92	95	15	15.75	6,545	8,892	13.59
Guavas	609	172	28.27	12	5	43.34	109	431	39.6
Lemons	1,667	183	10.97	72	10	13.98	2,448	2,559	10.45
Mangoes	2,041	628	30.77	88	44	49.63	-	-	-
Oranges	995	113	11.36	79	10	12.7	13,087	14,849	11.35
Papayas	1,693	478	28.25	*	*	*	193	681	35.38
Pineapples	*	*	*	*	*	*	-	-	-
Chat	36,972	4,885	13.21	7,984	1,344	16.83	104,138	175,337	16.84
Coffee	243	75	30.75	*	*	*	66	174	26.32
Hops	-	-	-	-	-	-	-	-	-
Sugar cane	87	32	36.63	2	1	48.19	152	730	48.19

Estimate of Holders Area, Production, Standard Errors and Coefficient of Variations
For Crops 2003/2004 (1996 E.C)

Benishangul - Gumuz

Crop	Holder	Standard Error	CV %	Area	Standard Error	CV %	Production	Standard Error	CV %
Grain	131,379	4,366	3.32	147,151	8,632	5.87	1,522,008	985,834	6.48
Cereals	129,228	4,173	3.23	106,687	6,743	6.32	1,296,146	877,755	6.77
Teff	23,278	4,232	18.18	11,944	2,825	23.65	87,411	250,084	28.61
Barley	2,953	1,291	43.72	*	*	*	*	*	*
Wheat	*	*	*	*	*	*	*	*	*
Maize	111,725	4,939	4.42	25,677	2,015	7.85	440,114	429,553	9.76
Sorghum	87,467	4,532	5.18	48,006	3,694	7.7	540,128	523,229	9.69
Finger millet	33,371	4,338	13	18,934	3,912	20.66	201,729	447,590	22.19
Oats / 'Aja'	318	147	46.24	*	*	*	*	*	*
Rice	*	*	*	*	*	*	*	*	*
Pulses	51,948	3,949	7.6	7,005	1,246	17.79	51,372	127,434	24.81
Horse beans	4,919	2,035	41.38	404	186	46.11	4,582	22,407	48.9
Field peas	3,764	1,523	40.47	536	255	47.47	*	*	*
Haricot beans	38,919	4,053	10.42	4,944	1,192	24.1	37,998	124,390	32.74
Chick-peas	3,028	841	27.77	559	219	39.1	*	*	*
Lentils	*	*	*	*	*	*	*	*	*
Vetch	*	*	*	*	*	*	-	-	-
Soya beans	4,961	1,707	34.41	475	184	38.75	2,501	9,849	39.38
Fenugreek	*	*	*	*	*	*	-	-	-
Gibto	*	*	*	*	*	*	*	*	*
Oilseeds	81,656	4,154	5.09	33,459	3,169	9.47	174,491	213,440	12.23
Neug	29,663	3,987	13.44	12,913	2,432	18.83	46,677	104,473	22.38
Linseed	3,244	763	23.51	202	63	31.3	204	650	31.81
Groundnuts	20,594	3,179	15.44	3,838	982	25.59	36,427	122,254	33.56
Safflower	1,437	464	32.33	66	25	37.58	618	2,523	40.8
Sesame	51,394	4,637	9.02	16,313	2,241	13.74	89,599	143,021	15.96
Rape seed	4,088	990	24.22	127	38	30.35	965	3,629	37.6
Vegetables	28,185	3,475	12.33	831	227	27.37	18,528	45,862	24.75
Lettuce	*	*	*	*	*	*	-	-	-
Head cabbage	895	336	37.58	2	1	41.69	206	852	41.3
Ethiopian cabbage	1,645	531	32.29	*	*	*	*	*	*
Tomatoes	757	327	43.15	*	*	*	*	*	*
Green peppers	2,744	636	23.16	24	6	25.14	2,096	5,261	25.1
Red peppers	23,551	3,590	15.24	774	224	28.95	15,070	45,676	30.31
Swiss chard	*	*	*	*	*	*	-	-	-
Root crops	26,370	3,987	15.12	715	232	32.41	73,473	224,166	30.51
Beetroot	340	144	42.47	*	*	*	*	*	*
Carrot	652	223	34.28	*	*	*	*	*	*
Onion	5,087	1,769	34.77	82	39	48.13	9,515	45,813	48.15
Potatoes	4,662	1,979	42.45	*	*	*	*	*	*
Garlic	8,266	3,120	37.74	70	26	37.51	9,730	36,548	37.56
Taro / 'Godere'	718	281	39.12	8	4	47.4	*	*	*
Sweet potatoes	14,798	2,039	13.78	241	59	24.44	25,722	62,893	24.45
Fruit crops	37,183	3,017	8.11	1,125	180	16.02	83,195	137,789	16.56
Avocados	*	*	*	*	*	*	*	*	*
Bananas	15,677	2,066	13.18	357	75	20.93	20,720	41,045	19.81
Guavas	1,015	358	35.29	*	*	*	*	*	*
Lemons	2,875	552	19.19	30	9	31.72	140	611	43.54
Mangoes	22,721	2,363	10.4	640	135	21.04	55,284	113,513	20.53
Oranges	3,194	780	24.43	20	6	31.73	884	2,793	31.6
Papayas	8,264	1,471	17.8	60	14	22.63	6,015	12,572	20.9
Pineapples	-	-	-	-	-	-	-	-	-
Chat	3,953	1,367	34.57	46	20	44.05	457	2,139	46.78
Coffee	13,298	3,322	24.98	*	*	*	*	*	*
Hops	9,275	2,530	27.27	134	52	39.1	*	*	*
Sugar cane	1,069	303	28.36	*	*	*	346	1,256	36.26

Estimate of Holders, Area, Production, Standard Errors and Coefficient of Variations
For Crops 2003/2004 (1996 E.C)

S.N.N.P.R.

Crop	Holder	Standard Error	CV %	Area	Standard Error	CV %	Production	Standard Error	CV %
Grain	2,057,010	29,414	1.43	822,470	29,188	3.55	9,606,248	4,543,574	4.73
Cereals	1,937,092	32,297	1.67	687,616	26,206	3.81	8,545,507	4,277,741	5.01
Teff	676,159	28,360	4.19	182,723	15,109	8.27	1,195,269	1,138,917	9.53
Barley	501,859	32,137	6.4	68,863	6,504	9.44	761,778	868,336	11.4
Wheat	523,768	29,650	5.66	114,578	9,288	8.11	1,733,611	1,671,497	9.64
Maize	1,140,258	41,781	3.66	216,243	14,904	6.89	3,848,426	3,485,333	9.06
Sorghum	572,710	27,704	4.84	99,624	6,802	6.83	924,172	695,176	7.52
Finger millet	50,837	9,106	17.91	5,186	1,416	27.3	78,995	269,365	34.1
Oats / 'Aja'	9,221	2,186	23.7	372	86	23.22	3,255	9,383	28.82
Rice	*	*	*	*	*	*	-	-	-
Pulses	1,119,080	36,633	3.27	130,268	7,042	5.41	1,042,605	720,466	6.91
Horse beans	523,686	28,368	5.42	48,942	3,738	7.64	471,555	416,333	8.83
Field peas	268,651	18,856	7.02	36,025	3,356	9.32	254,174	281,109	11.06
Haricot beans	597,888	35,345	5.91	40,375	4,206	10.42	295,191	432,780	14.66
Chick-peas	23,160	4,574	19.75	2,821	761	26.99	13,481	39,284	29.14
Lentils	25,851	4,850	18.76	971	184	18.99	2,996	5,610	18.73
Vetch	6,004	2,533	42.18	*	*	*	*	*	*
Soya beans	2,772	1,064	38.4	70	26	36.88	-	-	-
Fenugreek	29,487	6,138	20.82	550	144	26.15	2,044	6,080	29.75
Gibto	*	*	*	*	*	*	-	-	-
Oilseeds	95,965	7,670	7.99	4,587	902	19.67	18,136	37,806	20.85
Neug	7,907	3,178	40.19	*	*	*	*	*	*
Linseed	47,980	4,781	9.96	2,099	521	24.81	8,704	30,638	35.2
Groundnuts	7,284	1,789	24.56	302	89	29.47	2,045	6,825	33.37
Safflower	10,845	2,145	19.78	257	66	25.54	*	*	*
Sesame	2,763	848	30.68	292	124	42.54	*	*	*
Rape seed	23,250	4,631	19.92	356	80	22.38	1,906	5,785	30.35
Vegetables	1,268,436	33,855	2.67	26,200	2,264	8.64	1,581,682	794,529	5.02
Lettuce	2,680	855	31.92	*	*	*	-	-	-
Head cabbage	24,081	3,669	15.24	197	63	32.16	19,157	70,318	36.71
Ethiopian cabbage	1,184,613	34,256	2.89	12,772	643	5.03	1,288,342	651,134	5.05
Tomatoes	15,005	3,144	20.95	160	66	40.97	18,013	73,109	40.59
Green peppers	93,986	8,966	9.54	480	81	16.78	41,679	75,946	18.22
Red peppers	137,929	17,282	12.53	12,565	2,111	16.8	213,113	361,777	16.98
Swiss chard	12,920	3,136	24.27	19	5	27.94	1,378	4,259	30.9
Root crops	1,262,701	34,754	2.75	63,048	3,026	4.8	6,009,545	2,964,588	4.93
Beetroot	41,579	4,424	10.64	170	41	23.82	17,265	41,956	24.3
Carrot	17,174	2,965	17.26	*	*	*	1,217	3,426	28.16
Onion	146,794	15,371	10.47	1,319	270	20.45	131,848	307,335	23.31
Potatoes	330,675	23,253	7.03	8,730	1,035	11.85	714,140	945,581	13.24
Garlic	54,969	7,228	13.15	190	50	26.04	19,669	69,214	35.19
Taro / 'Godere'	604,709	26,134	4.32	20,369	1,334	6.55	1,647,223	1,085,095	6.59
Sweet potatoes	579,534	32,884	5.67	32,146	2,390	7.43	3,478,184	2,508,504	7.21
Fruit crops	921,556	37,512	4.07	26,226	7,036	26.83	1,700,049	4,912,300	28.9
Avocados	340,302	21,689	6.37	2,520	294	11.65	155,445	183,788	11.82
Bananas	643,975	31,546	4.9	18,565	5,965	32.13	1,257,856	4,178,532	33.22
Guavas	34,188	4,262	12.47	170	36	21.27	2,273	4,954	21.79
Lemons	37,227	5,960	16.01	319	105	32.94	3,375	11,491	34.05
Mangoes	112,138	15,243	13.59	2,120	861	40.63	156,918	689,376	43.93
Oranges	118,810	12,872	10.83	881	161	18.28	43,807	83,221	19
Papayas	166,676	13,123	7.87	1,040	131	12.58	80,372	100,678	12.53
Pineapples	*	*	*	*	*	*	*	*	*
Chat	523,759	34,131	6.52	22,570	2,661	11.79	238,109	277,932	11.67
Coffee	1,183,823	44,308	3.74	71,452	5,072	7.1	381,175	246,010	6.45
Hops	185,396	13,823	7.46	1,630	255	15.64	23,974	42,960	17.92
Sugar cane	449,715	24,086	5.36	8,883	881	9.92	634,212	635,910	10.03

Estimate of Holders Area, Production, Standard Errors and Coefficient of Variations
For Crops 2003/2004 (1996 E.C)

Gambela

Crop	Holder	Standard Error	CV %	Area	Standard Error	CV %	Production	Standard Error	CV %
Grain	29,871	2,099	7.03	9,707	1,052	10.84	-	-	-
Cereals	28,385	1,963	6.92	8,971	979	10.92	-	-	-
Teff	*	*	*	*	*	*	-	-	-
Barley	*	*	*	*	*	*	-	-	-
Wheat	-	-	-	-	-	-	-	-	-
Maize	24,615	1,855	7.53	5,967	882	14.78	-	-	-
Sorghum	12,806	1,929	15.06	2,945	476	16.16	-	-	-
Finger millet	579	189	32.6	40	17	42.17	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	233	108	46.46	16	8	49.34	-	-	-
Pulses	6,228	947	15.21	124	38	31.02	-	-	-
Horse beans	*	*	*	*	*	*	-	-	-
Field peas	*	*	*	*	*	*	-	-	-
Haricot beans	6,196	950	15.34	122	37	30.52	-	-	-
Chick-peas	*	*	*	*	*	*	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-
Soya beans	*	*	*	*	*	*	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	5,051	1,107	21.92	612	285	46.51	-	-	-
Neug	*	*	*	*	*	*	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	2,944	966	32.82	62	20	31.77	-	-	-
Safflower	327	117	35.93	2	1	43.37	-	-	-
Sesame	1,894	600	31.67	*	*	*	-	-	-
Rape seed	190	89	46.85	*	*	*	-	-	-
Vegetables	6,159	828	13.44	72	16	21.69	-	-	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	207	77	37.21	*	*	*	-	-	-
Ethiopian cabbage	2,448	478	19.53	22	10	47.49	-	-	-
Tomatoes	2,300	700	30.42	12	5	39.58	-	-	-
Green peppers	1,118	326	29.13	11	5	46.47	-	-	-
Red peppers	1,419	361	25.46	25	12	46.48	-	-	-
Swiss chard	*	*	*	*	*	*	-	-	-
Root crops	10,314	1,395	13.53	507	130	25.71	-	-	-
Beetroot	*	*	*	*	*	*	-	-	-
Carrot	*	*	*	*	*	*	-	-	-
Onion	254	86	33.63	*	*	*	-	-	-
Potatoes	1,641	699	42.62	*	*	*	-	-	-
Garlic	263	94	35.89	0	0	36.74	-	-	-
Taro / 'Godere'	7,542	1,133	15.03	384	102	26.64	-	-	-
Sweet potatoes	4,231	991	23.42	95	29	30.16	-	-	-
Fruit crops	14,687	1,285	8.75	404	75	18.58	-	-	-
Avocados	1,432	346	24.14	7	2	31.65	-	-	-
Bananas	7,776	1,141	14.68	183	42	22.69	-	-	-
Guavas	568	174	30.56	*	*	*	-	-	-
Lemons	612	144	23.57	4	1	28.34	-	-	-
Mangoes	8,466	1,152	13.61	141	38	26.71	-	-	-
Oranges	1,411	331	23.46	13	5	42.91	-	-	-
Papayas	8,230	796	9.68	50	9	17.36	-	-	-
Pineapples	423	151	35.64	3	1	43.52	-	-	-
Chat	1,778	424	23.83	39	12	30.68	-	-	-
Coffee	7,544	1,261	16.71	2,308	505	21.86	-	-	-
Hops	950	274	28.82	7	3	39.7	-	-	-
Sugar cane	5,534	894	16.16	96	22	22.64	-	-	-

Estimate of Holders Area, Production, Standard Errors and Coefficient of Variations
For Crops 2003/2004 (1996 E.C)

Harari

Crop	Holder	Standard Error	CV %	Area	Standard Error	CV %	Production	Standard Error	CV %
Grain	14,489.0	449.6	3.1	7,638.2	760.8	9.96	65,861.6	70,696.0	10.73
Cereals	14,462.0	451.4	3.12	6,063.7	583.6	9.62	53,061.8	62,369.4	11.75
Teff	-	-	-	-	-	-	-	-	-
Barley	*	*	*	*	*	*	*	*	*
Wheat	809.0	356.1	43.99	*	*	*	*	*	*
Maize	10,590.0	811.5	7.66	925.4	111.3	12.02	12,052.8	13,973.5	11.59
Sorghum	13,952.0	449.2	3.22	5,053.1	542.8	10.74	40,297.1	57,304.1	14.22
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	*	*	*	*	*	*	*	*	*
Rice	-	-	-	-	-	-	-	-	-
Pulses	503.0	115.8	23.02	13.5	4.6	33.86	87.7	385.1	43.91
Horse beans	*	*	*	*	*	*	-	-	-
Field peas	*	*	*	*	*	*	-	-	-
Haricot beans	396.0	101.7	25.68	10.0	4.3	42.93	87.7	385.1	43.91
Chick-peas	-	-	-	-	-	-	-	-	-
Lentils	*	*	*	*	*	*	-	-	-
Vetch	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	*	*	*	*	*	*	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	6,992.0	1,032.9	14.77	1,561.1	351.8	22.53	12,712.2	30,835.2	24.26
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	6,992.0	1,032.9	14.77	1,524.5	345.0	22.63	12,451.9	30,128.1	24.2
Safflower	-	-	-	-	-	-	-	-	-
Sesame	486.0	214.7	44.15	36.6	14.9	40.7	260.3	1,209.6	46.47
Rape seed	-	-	-	-	-	-	-	-	-
Vegetables	*	*	*	*	*	*	-	-	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	*	*	*	*	*	*	-	-	-
Ethiopian cabbage	*	*	*	*	*	*	-	-	-
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	-	-	-	-
Red peppers	*	*	*	*	*	*	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	1,907.0	390.5	20.48	104.0	31.2	30.05	4,325.5	11,003.9	25.44
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	*	*	*	*	*	*	-	-	-
Potatoes	*	*	*	*	*	*	-	-	-
Garlic	*	*	*	*	*	*	-	-	-
Taro / 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	1,371.0	244.5	17.83	57.9	14.7	25.44	4,325.5	11,003.9	25.44
Fruit crops	4,876	762	15.62	220	60	27.28	828	3,376	40.77
Avocados	-	-	-	-	-	-	-	-	-
Bananas	902	216	23.98	32	16	49.96	618	3,090	49.96
Guavas	921	377	40.89	26	13	48.39	-	-	-
Lemons	178	75	42.11	*	*	*	-	-	-
Mangoes	3,304	705	21.34	154	44	28.18	154	434	28.18
Oranges	*	*	*	*	*	*	*	*	*
Papayas	1,054	369	34.98	6	2	40.16	-	-	-
Pineapples	-	-	-	-	-	-	-	-	-
Chat	11,740	862	7.34	2,038	268	13.15	33,363	43,883	13.15
Coffee	1,236	420	33.97	35	12	34.38	161	555	34.38
Hops	*	*	*	*	*	*	-	-	-
Sugar cane	*	*	*	*	*	*	-	-	-

Estimate of Holders Area, Production, Standard Errors and Coefficient of Variations
For Crops 2003/2004 (1996 E.C)

Addis Abeba

Crop	Holder	Standard Error	CV %	Area	Standard Error	CV %	Production	Standard Error	CV %
Grain	14,192	953	6.71	22,979	2,292	9.98	266,705	285,702	10.71
Cereals	13,530	978	7.23	19,816	1,909	9.63	223,949	228,247	10.19
Teff	10,016	1,050	10.49	9,551	1,194	12.5	84,426	101,992	12.08
Barley	1,062	384	36.19	*	*	*	*	*	*
Wheat	9,788	923	9.43	9,589	1,178	12.28	135,126	180,481	13.36
Maize	3,617	891	24.64	66	19	29.51	203	596	29.34
Sorghum	*	*	*	*	*	*	*	*	*
Finger millet	*	*	*	*	*	*	-	-	-
Oats / 'Aja'	320	102	32.01	17	6	36.41	152	639	42
Rice	*	*	*	*	*	*	-	-	-
Pulses	8,007	662	8.26	3,143	438	13.93	42,729	68,605	16.06
Horse beans	3,937	583	14.8	305	82	26.92	2,779	8,334	29.98
Field peas	893	265	29.64	120	44	36.18	565	2,128	37.67
Haricot beans	420	137	32.5	3	1	37.6	*	*	*
Chick-peas	3,922	609	15.52	1,353	264	19.51	19,684	41,522	21.09
Lentils	1,368	239	17.47	196	41	21.13	1,788	4,666	26.1
Vetch	4,248	607	14.29	937	148	15.84	16,073	27,366	17.03
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	2,139	377	17.61	229	50	21.74	1,834	4,694	25.6
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	942	186	19.78	21	8	37.24	28	93	33.64
Neug	*	*	*	*	*	*	*	*	*
Linseed	226	99	43.98	*	*	*	17	79	46.17
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	316	104	32.93	3	1	35.86	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rape seed	400	153	38.25	*	*	*	*	*	*
Vegetables	5,688	607	10.67	54	12	22.96	-	-	-
Lettuce	498	139	27.88	*	*	*	-	-	-
Head cabbage	496	133	26.81	*	*	*	-	-	-
Ethiopian cabbage	5,126	565	11.02	32	6	18.03	-	-	-
Tomatoes	156	61	39.08	*	*	*	-	-	-
Green peppers	914	210	23.03	1	0	34.54	-	-	-
Red peppers	*	*	*	*	*	*	-	-	-
Swiss chard	693	165	23.88	*	*	*	-	-	-
Root crops	6,250	521	8.34	212	60	28.42	-	-	-
Beetroot	1,376	305	22.17	*	*	*	-	-	-
Carrot	1,417	293	20.68	102	34	33.31	-	-	-
Onion	956	244	25.5	*	*	*	-	-	-
Potatoes	447	132	29.6	9	4	48.16	-	-	-
Garlic	4,868	489	10.04	16	3	22.26	-	-	-
Taro / 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	*	*	*	*	-	-	-
Fruit crops	133	65	49.06	*	*	*	*	*	*
Avocados	-	-	-	-	-	-	-	-	-
Bananas	*	*	*	*	*	*	*	*	*
Guavas	-	-	-	-	-	-	-	-	-
Lemons	-	-	-	-	-	-	-	-	-
Mangoes	*	*	*	*	*	*	-	-	-
Oranges	*	*	*	*	*	*	*	*	*
Papayas	-	-	-	-	-	-	-	-	-
Pineapples	-	-	-	-	-	-	-	-	-
Chat	395	154	39.13	2	1	40.02	27	109	41.05
Coffee	192	82	42.69	*	*	*	*	*	*
Hops	2,445	399	16.31	22	6	27.78	-	-	-
Sugar cane	*	*	*	*	*	*	-	-	-

Estimate of Holders Area, Production, Standard Errors and Coefficient of Variations
For Crops 2003/2004 (1996 E.C)

Dire Dawa

Crop	Hoder	Standard Error	CV %	Area	Standard Error	CV %	Production	Standard Error	CV %
Grain	14,762	1,057	7.16	7,184	715	9.95	79,419	80,919	10.19
Cereals	14,762	1,057	7.16	6,850	674	9.85	75,474	74,714	9.9
Teff	-	-	-	-	-	-	-	-	-
Barley	*	*	*	*	*	*	*	*	*
Wheat	*	*	*	*	*	*	*	*	*
Maize	4,511	619	13.71	184	36	19.55	2,349	6,814	29
Sorghum	14,644	1,045	7.14	6,647	675	10.16	73,026	74,035	10.14
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	*	*	*	*	*	*	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	4,534	803	17.72	280	81	28.89	3,336	10,293	30.85
Horse beans	-	-	-	-	-	-	-	-	-
Field peas	-	-	-	-	-	-	-	-	-
Haricot beans	4,419	784	17.73	279	81	29.02	3,333	10,293	30.88
Chick-peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	*	*	*	*	*	*	*	*	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	942	311	33.03	54	21	38.99	609	2,684	44.08
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	630	270	42.91	41	20	48.71	561	2,686	47.84
Safflower	-	-	-	-	-	-	-	-	-
Sesame	339	169	49.88	*	*	*	*	*	*
Rape seed	-	-	-	-	-	-	-	-	-
Vegetables	1,536	406	26.41	36	12	33.57	4,949	16,819	33.98
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	*	*	*	*	*	*	-	-	-
Tomatoes	1,461	386	26.43	35	12	33.98	4,949	16,819	33.98
Green peppers	*	*	*	*	*	*	-	-	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	4,262	661	15.5	190	44	23.26	16,953	36,846	21.73
Beetroot	*	*	*	*	*	*	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	699	311	44.53	*	*	*	-	-	-
Potatoes	*	*	*	*	*	*	-	-	-
Garlic	*	*	*	*	*	*	-	-	-
Taro / 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	3.698	557	15.07	146	32	21.73	16,953	36,846	21.73
Fruit crops	3,626	660	18.21	75	17	23.2	-	-	-
Avocados	-	-	-	-	-	-	-	-	-
Bananas	453	123	27.16	3	1	46.3	-	-	-
Guavas	678	257	37.89	9	3	34.52	-	-	-
Lemons	228	102	44.72	*	*	*	-	-	-
Mangoes	762	270	35.48	12	5	37.95	-	-	-
Oranges	*	*	*	*	*	*	-	-	-
Papayas	2,418	645	26.68	35	12	35.43	-	-	-
Pineapples	-	-	-	-	-	-	-	-	-
Chat	8,713	879	10.09	713	113	15.83	-	-	-
Coffee	3,383	743	21.97	89	22	24.64	300	740	24.64
Hops	*	*	*	*	*	*	-	-	-
Sugar cane	*	*	*	*	*	*	-	-	-

APPENDIX III

NUMBER OF EAs SAMPLED AND COVERED
NUMBER OF HOUSEHOLDS SAMPLED AND COVERED

Appendix III.

Number of Planned and Actually Covered Sampling Units(EAs & Households) of the 2003/4 (1996 E.C.) annual agricultural sample survey (Meher Season).

Region	Stratum	Enumeration Areas		Households	
	Zone/Sp.wereda	Planned	Covered	Planned	Covered
Tigray	North Western Tigray	32	32	800	800
	Central Tigray	36	36	900	900
	Eastern Tigray	32	32	800	800
	Southern Tigray	36	35	900	875
	Western Tigray	28	27	700	675
	Region Total	**164**	**162**	**4100**	**4050**
Afar	Zone One	28	28	700	683
	Zone Three	28	28	700	697
	Region Total	**56**	**56**	**1400**	**1380**
Amhara	North Gonder	40	40	1000	1000
	South Gonder	40	39	1000	975
	North Wello	40	40	1000	1000
	South Wello	48	48	1200	1199
	North Shewa	40	40	1000	1000
	East Gojam	44	44	1100	1100
	West Gojam	44	44	1100	1100
	Wag Hemira	32	32	800	775
	Awi	36	36	900	899
	Oromia	32	32	800	800
	Region Total	**396**	**395**	**9900**	**9848**
Oromia	West Wellega	40	40	1000	1000
	East Wellega	36	36	900	899
	Illubabor	36	36	900	899
	Jimma	44	44	1100	1100
	West Shewa	36	36	900	900
	North Shewa	36	36	900	900
	East Shewa	40	40	1000	1000
	Arsi	44	44	1100	1100
	West Harerghe	36	36	900	900
	East Harerghe	44	44	1100	1098
	Bale	36	36	900	897
	Borena	36	36	900	899
	South West Shewa	36	36	900	900
	Guji	36	36	900	895
	Region Total	**536**	**536**	**13400**	**13387**

Appendix III. (CONT 'D)

Region	Stratum	Enumeration Areas		Households	
	Zone/Sp.wereda	Planned	Covered	Planned	Covered
Somali	Shinile	24	24	600	598
	Jijiga	32	32	800	800
	Liben	28	28	700	693
	Region Total	**84**	**84**	**2100**	**2091**
Benishangul-Gumuz	Metekel	28	28	700	689
	Asosa	28	28	700	700
	Kemashi	28	28	700	694
	Region Total	**84**	**84**	**2100**	**2083**
SNNP	Guraghe	36	36	900	900
	Hadiya	32	32	800	800
	Kembata_Tambaro	32	32	800	800
	Sidama	44	44	1100	1100
	Gedeo	32	32	800	799
	Wolayita	36	36	900	900
	South Omo	32	32	800	800
	Shaka	28	28	700	700
	Keffa	32	32	800	799
	Gamo_Gofa	36	36	900	899
	Benchi_Maji	32	32	800	796
	Yem Specia Wereda	24	24	600	600
	Amaro Special W.	24	24	600	600
	Burji Special Wereda	24	24	600	599
	Konso Special Wereda.	24	24	600	598
	Derashe Special Wereda.	24	24	600	600
	Dawro	32	32	800	800
	Basketo Special Wereda.	24	24	600	600
	Konta Special Wereda.	24	23	600	575
	Siltie	28	28	700	699
	Alaba Special Wereda.	24	24	600	600
	Region Total	**624**	**623**	**15600**	**15564**
Gambella	Zone One	28	16	700	399
	Zone Two	28	28	700	700
	Region Total	**56**	**44**	**1400**	**1099**
Harari	**Harari**	24	24	600	598
Addis Ababa	**Addis Ababa**	24	24	600	600
Dire Dawa	**Dire Dawa**	24	24	600	600
Country Total		**2072**	**2056**	**51800**	**51300**

APPENDIX IV

QUESTIONNAIRE

Ag.S.S. Form 96/0

Central Statistical Authority
National Integrated Household Survey
Agricultural Sample Survey 2003/2004 (1996 E.C.)

Part I - Identification Particulars

1	2	3	4	5
Region	Zone	Wereda	Farmers' Association	Enumeration Area

Part II – List of Households, Agricultural Holders and order of selection

1	2	3	4	5	6	7
Household ID	Name of Household Head	Is there Agricultural Holder in The Household? Yes = 1 No = 2 (code)	If yes Holder ID Within the Household	Holder's Name	Agricultural Household ID	Selection Order

	Name	Signature	Date
Enumerator's			
Supervisor's			
Branch Office Head			

1.Total Number of Agricultural Households_____
2. Random Interval _____
3. Random Start _____

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Part II – List of Households, Agricultural Holders and order of selection

1	2	3		4		5	6	7
Household ID	Name of Household Head	Is there Agricultural Holder in The Household? Yes = 1 No = 2	code	If yes Holder ID Within the Household		Holder's Name	Agricultural Household ID	Selection Order

	Name	Signature	Date
Enumerator's			
Supervisor's			
Branch Office Head			

1.Total Number of Agricultural Households_____
2. Random Interval _____
3. Random Start _____

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Central Statistical Authority
National Integrated Household Survey
Agricultural Sample Survey 2003/2004 (1996 E.C.)

Part I - Identification Particulars

1	2	3	4	5
Region	Zone	Wereda	Farmers' Association	Enumeration Area

Part II – List of Selected Agricultural Households and Holders

1	2	3	4	5	6	7
Household ID	Name of Household Head	Holder ID	Name of Holder	Farm Type Crop = 1 Livestock = 2 Both = 3 (code)	Selection Order	Remarks

	Name	Signature	Date
Enumerator's			
Supervisor's			
Branch Office Head			

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Part II – List of Selected Agricultural Households and Holders

1	2	3	4	5	6	7
Household ID	Name of Household Head	Holder ID	Name of Holder	Farm Type Crop = 1 Livestock = 2 Both = 3 code	Selection Order	Remarks

	Name	Signature	Date
Enumerator's			
Supervisor's			
Branch Office Head			

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Agricultural Sample Survey of Ethiopia
List of Fields Under Temporary Crops and Farm Management Practices
Meher Season 2003/04 (1996 E.C)

Part I – Identification Particular

1	2	3	4	5	6	7	8	9	10	11	12	13
Region	Zone	Wereda	Farmers Association	E.A	Household ID	Holder ID	Holder's Name	Age	Sex M = 1 F = 2	Educational Level Highest grade Completed	Holder's Family Size	Farm Type Crop = 1 Livestock = 2 Both = 3

Part II – List of Fields Under Temporary Crops and Farm management Practice

1	2	3	4	5	6
Serial No.	Questions to the Holder	parcel No. / Field No. / Crop Name code	parcel No. / Field No. / Crop Name code	parcel No. / Field No. / Crop Name code	parcel No. / Field No. / Crop Name code
01	Holding Type Owned = 1 Other = 3 Rented = 2				
02	Field Area in Local unit	Local unit / code / area	Local unit / code / area	Local unit / code / area	Local unit / code / area
03	If Field Under Ext. Package Yes = 1 No. = 2				
04	If Irrigation used Yes = 1 No = 2				
05	Seed Type Improved = 1 Indigenous = 2				
06	For Cereals, Pulses and Oilseeds only if indigenous seed used Quantity in Kilogram	Kilo Gram	Kilo Gram	Kilo Gram	Kilo Gram
07	For Cereals, Pulses and Oilseeds only if improved seed used Quantity in Kilogram	Kilo Gram	Kilo Gram	Kilo Gram	Kilo Gram
08	For Cereals, Pulses and Oilseeds only if improved seed used price	Birr Cents	Birr Cents	Birr Cents	Birr Cents
09	Was there Crop Damage? Yes = 1 No = 2				
10	If there was crop damage Cause of the damage	Cause code	Cause code	Cause code	Cause code
11	Percent of damage				
12	Any measure taken to prevent the damage? Yes = 1 No = 2				
13	Type of measure taken if any Chemical = 1 Both = 3 Non chemical = 2				
14	Type of chemicals used Pesticide = 1 2&3 = 6 Herbicide = 2 All = 7 Anti disease = 3 1&2 = 4 1&3 = 5				
15	Have you used any fertilizer? Yes = 1 No = 2				
16	If yes type of fertilizer Natural = 1 Both = 3 Chemical = 2				
17	If no chemical fertilizer used, reason for not using it	Reason code	Reason code	Reason code	Reason code
18	If chemical fertilizer used, 18.1 type Urea = 1 both = 3 Dap = 2				
	18.2 quantity in kilogram	Kilo Gram	Kilo Gram	Kilo Gram	Kilo Gram
19	If natural fertilizer used type Cow dung = 1 both = 3 Compost = 2 Others = 4				

Agricultural Sample Survey of Ethiopia
List of Fields Under Permanent Crops and Farm Management Practices
Meher Season 2003/04 (1996 E.C)

Part I – Identification Particular

1	2	3	4	5	6	7	8	9	10	11	12	13
Region	Zone	Wereda	Farmers Association	E.A	Household ID	Holder ID	Holder's Name	Age	Sex M = 1 F = 2	Educational Level Highest grade Completed	Holder's Family Size	Farm Type Crop = 1 Livestock = 2 Both = 3

Part II – List of Fields Under Permanent Crops and Farm management Practice

1		2	3			4			5			6		
Serial No.		Questions to the Holder	Parcel No.	Field No.	Crop name code	Parcel No.	Field No.	Crop name code	Parcel No.	Field No.	Crop name Code	Parcel No.	Field No.	Crop name code
0	1	Holding Type Owned = 1 Other = 3 Rented = 2												
0	2	Field Area in Local unit	Local unit	code	area	Local unit	code	area	Local unit	code	area	Local unit	code	area
0	3	If Field Under Ext. Package Yes = 1 No. = 2												
0	4	Number of fruit trees (excluding coffee, chat pineapple and sugarcane)	Number			Number			Number			Number		
0	5	Number of fruit bearing trees (excluding coffee, chat pineapple and sugarcane)	Number			Number			Number			Number		
0	6	If Irrigation used Yes = 1 No = 2												
0	7	Seed Type Improved = 1 Indigenous = 2												
0	8	Was there Crop Damage? Yes = 1 No = 2												
0	9	If there was crop damage Cause of the damage	Cause		code	Cause		code	Cause		code	Cause code		
1	0	Percent of damage												
1	1	Any measure taken to prevent the damage? Yes = 1 No = 2												
1	2	If measure taken what kind? Chemical = 1 Both = 3 Non chemical = 2												
1	3	Type of chemicals used Pesticide = 1 2&3 = 6 Herbicide = 2 All = 7 Anti disease = 3 1&2 = 4 1&3 = 5												
1	4	Have you used any fertilizer? Yes = 1 No = 2												
1	5	If yes type of fertilizer Natural = 1 Both = 3 Chemical = 2												
1	6	If no chemical fertilizer used, reason for not using it	Reason		code	Reason		code	Reason		code	Reason code		
1	7	If chemical fertilizer used, 17.1 type Urea = 1 both = 3 Dap = 2												
		17.2 quantity in kilogram	Kilo		Gram	Kilo		Gram	Kilo		Gram	Kilo		Gram
1	8	If natural fertilizer used type Cow dung = 1 both = 3 Compost = 2 Others = 4												

Agricultural Sample Survey of Ethiopia
List of Fields Under Mixed Crops and Farm Management Practices
Meher Season, 2003/04 (1996 E.C)

Part I – Identification Particular

1	2	3	4	5	6	7	8	9	10	11	12	13
Region	Zone	Wereda	Farmers Association	E.A	Household ID	Holder ID	Holder's Name	Age	Sex M = 1 F = 2	Educational Level Highest grade Completed	Holder's Family Size	Farm Type Crop = 1 Livestock = 2 Both = 3

Part II – List of Fields Under Mixed Crops and Farm management Practice

1		2	3			4		
Serial No.		Questions to the Holder	Parcel no. / Field no. / Crop name / code	Crop name / code	Crop name / code	Parcel no. / Field no. / Crop name / code	Crop name / code	Crop name / code
0	1	Holding Type Owned = 1 Other = 3 Rented = 2						
0	2	Field Area in Local unit	Local unit name / Code / Area			Local unit name / Code / Area		
0	3	If Field Under Ext. Package Yes = 1 No. = 2						
0	4	Percent of area under each crop by crop type						
0	5	Number of fruit trees (excluding coffee, chat pineapple and sugarcane)						
0	6	Number of fruit bearing trees (excluding coffee, chat pineapple and sugarcane)						
0	7	If Irrigation used Yes = 1 No = 2						
0	8	Seed Type Improved = 1 Indigenous = 2						
0	9	For Cereals, Pulses and Oilseeds only if indigenous seed used Quantity in Kilogram	Kilo Gram	Kilo Gram	Kilo Gram	Kilo Gram	Kilo Gram	Kilo Gram
1	0	For Cereals, Pulses and Oilseeds only if improved seed used Quantity in Kilogram	Kilo Gram	Kilo Gram	Kilo Gram	Kilo Gram	Kilo Gram	Kilo Gram
1	1	For Cereals, Pulses and Oilseeds only if improved seed used price	Birr Cents	Birr Cents	Birr Cents	Birr Cents	Birr Cents	Birr Cents
1	2	Was there Crop Damage? Yes = 1 No = 2						
1	3	If there was crop damage Cause of the damage	Reason code	Reason code	Reason code	Reason code	Reason code	Reason code
1	4	Percent of damage						
1	5	Any measure taken to prevent the damage? Yes = 1 No = 2						
1	6	Type of measure taken if any Chemical = 1 Both = 3 Non chemical = 2						
1	7	Type of chemicals used Pesticide = 1 1&2 = 4 2&3 = 6 Herbicide = 2 1&3 = 5 All = 7 Anti disease = 3						
1	8	Have you used any fertilizer? Yes = 1 No = 2						
1	9	If yes, type of fertilizer used Natural = 1 Both = 3 Chemical = 2						
2	0	If no chemical fertilizer used, reason for not using it	Reason / Code			Reason / Code		
2	1	If chemical fertilizer used, 21.1 type Urea = 1 both = 3 Dap = 2						
		21.2 quantity in kilogram	Kilo / Gram			Kilo / Gram		
2	2	If natural fertilizer used type Cow dung = 1 both = 3 Compost = 2 Others = 4						

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Agricultural Sample Survey of Ethiopia
List of Non Crop Fields
Meher Season, 2003/04 (1996 E.C)

Part I – Identification Particular

1	2	3	4	5	6	7	8	9	10	11	12	13
Region	Zone	Wereda	Farmers Association	E.A	Household ID	Holder ID	Holder's Name	Age	Sex M = 1 F = 2	Educational Level Highest grade Completed	Holder's Family Size	Farm Type Crop = 1 Livestock = 2 Both = 3

Part 2 – Other Land use Type and Area

1	2	3	4	5	6	7	8	9	10
Serial No.	Parcel No.	Field No.	Land use type	code	Holding Type Owned = 1 Rented = 2 Other = 3	code	Area in Local Units: Local Unit Name	code	Area
01									
02									
03									
04									
05									
06									
07									
08									
09									
10									

Part III – Other Agriculture related questions

11	12	13
	Questions	code
1	Do you practice rotation of crops? Yes = 1 No = 2	
2	If irrigation used, source of water River =1 Pool = 3 Other = 5 Lake = 2 Pond = 4 None = 6	
3	Ways of prevention of erosion, if any? Terracing = 1 Ploughing along the contour = 4 Water catchments = 2 others (specify) = 5 Afforestation = 3 None = 6	
4	Extension package practice during this agricultural season, if any? Yes = 1 No = 2	
5	If no, reason for not practicing extension package	
6	Benefits from Credit Services in the locality, if any? Yes = 1 No = 2	
7	Benefits from Agriculture Advisory Services in the locality, if any? Yes = 1 No = 2	
8	Your major supplier of chemical fertilizers Government organizations = 1 Others = 4 Private organizations =2 None = 5 Traders = 3	

Agricultural Sample Survey of Ethiopia
Area Measurements of Crop fields and / or Other Land use
Meher Season 2003/04 (1996 E.C)

Part I – Identification Particular

1	2	3	4	5	6	7	8
Region	Zone	Wereda	Farmers, Ass.	Enumeration Area	Household ID	Holder ID	Holder's Name

9	10	11		12	13		14			15	16
Parcel No.	Field No.	Field / Land Use Type Temporary crop field = 1 Permanent crop field = 2 Mixed crop field = 3 Other land Use = 4	Code	Serial No.	Crop name / Land Use Type	code	Quantity of production In local units Local unit name	code	Quantity		If field is under Mixed crop only Percent of area Under each crop type
				1							
				2							
				3							

Part II – result of area measurement of crop fields and /or other land use

1		2	3		4	5	
Date of area measurement		Area in square meters	Area in local unit			If no area measurement State the reason	
date	month		Name of Local unit	code	area	Reason	code

Part III – Area Measurements

Side	A-B	B-C	C-	D-	E-	F-	G-
Bearing (0)							
Length (m)							
Side	**H-**	**I-**	**J-**	**K-**	**L-**	**M-**	**N-**
Bearing (0)							
Length (m)							
Side	**O-**	**P-**	**Q-**	**R-**	**S-**	**T-**	**U-**
Bearing (0)							
Length (m)							

Part IV – For crop cutting only

	Length in meters	Random number	Bearing
Shortest side			
Longest side			

Part V – For Vegetables, root crops and permanent crops only

0		1	2	3	4
This year's productivity compared with that of last year					
		Increase = 1 Same = 2 Decrease = 3	If increase is reported Increment in Percent	If decrease is reported Decrement in percent	Change of percent
Crop name	Code		%	%	%

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Agricultural Sample Survey of Ethiopia
List of Fields Under Temporary Crops for selecting crop fields for crop cutting
Meher Season 2003/04 (1996 E.C)

Part I – Identification Particular

1	2	3	4	5	6	7	8	9	10	11	12	13
Region	Zone	Wereda	Farmers Association	E.A	Household ID	Holder ID	Holder's Name	Age	Sex M = 1 F = 2	Educational Level Highest grade Completed	Holder's Family Size	Farm Type Crop = 1 Livestock = 2 Both = 3

Part II – list of temporary crop fields for selecting crop fields for crop cutting

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
				Crop name																			
Parcel No.	Field No.	Crop name	code	Field No.	Selected Field No.	Field No.	Selected Field No.	Field No.	Selected Field No.	Field No.	Selected Field No.	Field No.	Selected Field No.	Field No.	Selected Field No.	Field No.	Selected Field No.	Field No.	Selected Field No.	Field No.	Selected Field No.	Field No.	Selected Field No.

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Agricultural Sample Survey of Ethiopia
List of Fields Under Temporary Crops for Crop Cutting
Meher Season 2003/04 (1996 E.C)

Part I – Identification Particular

1	2	3	4	5	6	7	8	9	10	11	12	13
Region	Zone	Wereda	Farmers Association	E.A	Household ID	Holder ID	Holder's Name	Age	Sex M = 1 F = 2	Educational Level Highest grade Completed	Holder's Family Size	Farm Type Crop = 1 Livestock = 2 Both = 3

Part II – Temporary Crop Cutting Results

1	2	3		4		5		6		7		8	9		10	11
Parcel No.	Field No	Crop name	code	Crop cutting date	month	Wet weight Of the harvest kilo	gram	Last date of Drying and Weighing date	month	Dry weight kilo	gram	Crop damage if any Yes = 1 No = 2	If yes, cause of damage	code	Percent of damage	Type of crop Field Single = 1 Mixed = 2