

**THE FEDERAL DEMOCRATIC REPUBLIC OF ETHIOPIA
CENTRAL STATISTICAL AGENCY**

***AGRICULTURAL SAMPLE SURVEY
2010 / 2011 (2003 E.C.)***

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VOLUME III

REPORT ON

FARM MANAGEMENT PRACTICES

(PRIVATE PEASANT HOLDINGS, MEHER SEASON)

**ADDIS ABABA
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PART I

INTRODUCTION AND OBJECTIVES OF THE SURVEY

1.1. INTRODUCTION

An increase in agricultural productivity is a prevailing motive for farmers and a driving force in Ethiopia's agricultural policy. Considerable resources are being utilized by the government to realize agricultural productivity and alter the state of agriculture in the country. Human and material resources are rallied towards this end. Development agents, extension packages, and agricultural inputs are some of the resources that are made available to farmers to change their style of farming and augment productivity.

One of the missions of the Central Statistical Agency (CSA) is to survey developments in agriculture and produce information about the changes taking place in it to data users to indicate whether the much desired increase in agricultural productivity has materialized. Thus, to shed a ray of statistical information on agricultural productivity, the agency has been providing statistics on the extent of inputs applied area and volume of fertilizers and improved seeds used. As part of the 2010/11 (2003 E.C) Agricultural Sample Survey, data on fertilizer, improved seed, irrigation and pesticide applied area and volume of fertilizers and improved seeds used within the private peasant holdings was collected, processed and summarized.

The survey results are presented in this bulletin and other electronic media for data users. 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 summary of the results. Estimation procedures and formulation of estimates of totals and variance are presented in Appendix I. Estimates of the standard errors with the corresponding coefficients of variations for quantity of inputs used and inputs applied area are presented in Appendix II.

1.2. 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 of which Farm Management Practice is a part, Livestock Survey and Belg Season Survey.

The specific objectives of Meher Season Survey (Farm Management Practice) are to estimate the total volume of inputs used, inputs applied area and number of holders using inputs. Companion reports are published separately with estimates of area and production of crops and land use area. This report on Farm Management Practice is based on the private peasant holdings in sedentary rural areas of the country. The data is disaggregated at regional and zonal levels.

PART II

SURVEY METHODOLOGY, DATA COLLECTION AND PROCESSING

2.1. SCOPE AND COVERAGE OF THE SURVEY

The range of data items that the 2010/11 (2003 E.C.) Annual Agricultural Sample Survey (Meher Season) dealt with includes all cereals, pulses and oilseeds and the most commonly grown vegetables, root crops and permanent (perennial) crops. Holders growing at least one or more of these and / or other crops are enumerated and data on crop area and yield condition recorded, hence data on production of these crops acquired. The 2010/11 (2003 E.C.) Annual Agricultural Sample Survey (Meher season) covered the entire rural parts of the country except the non-sedentary population of three zones of Afar & six zones of Somali regions.

To be covered by the survey, a total of 2,280 Enumeration Areas (EAs) were selected. However, due to various reasons that are beyond control, in 25 EAs the survey could not be successful and hence interrupted. Thus, all in all the survey succeeded to cover 2,236 EAs (98.5%) throughout the regions. The Annual Agricultural Sample survey (Meher season) was conducted on the basis of 20 agricultural households selected from each EA. Regarding the ultimate sampling units, it was intended to cover a total of 45,600 agricultural households, however, 44,871 (98.3%) were actually covered by the survey.

2.4 SAMPLING FRAME

The list containing EAs of all regions and their respective households obtained from the 1999 E.C Population and Housing census frame was used as the sampling frame in order to select the primary sampling units (EAs). Consequently, all sample EAs were selected from this frame based on the design proposed for the survey. The second stage sampling units, households, were selected from a fresh list of households that were prepared for each EA at the beginning of the survey.

2.3 SAMPLE DESIGN

In order to select the sample a stratified two-stage cluster sample design was implemented. Enumeration areas (EAs) were taken to be the primary sampling units (PSUs) and the secondary sampling units (SSUs) were agricultural households. Each EA was further classified in to three agro-ecology (*“kolla”, “Dega” and “Weyna Dega”*) for Tigray, Amahara, Oromiya and SNNPs regions. The sample size for the 2010/11 agricultural sample survey was determined by taking into account of both the required level of precision for the most important estimates within each domain and the amount of resources allocated to the survey. In order to reduce non-sampling errors, manageability of the survey in terms of quality and operational control was also considered. All regions were taken to be the domain of estimation for which major findings of the survey are reported.

2.4 SELECTION SCHEME

Enumeration areas from each stratum were selected systematically using probability proportional to size sampling technique; size being number of agricultural households. The sizes for EAs were obtained from the 2007 E.C Population and Housing census frame. From the fresh list of households prepared at the beginning of the survey 20 agricultural households within each sample EA were selected systematically.

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

2.5. ORGANIZATION OF FIELD WORK

The conduct of a survey cannot be executed without the arrangement of fieldwork. In recognition of this, the organization of fieldwork has been entrusted to the Desks that liaises between the Head Office and the 24 Branch Statistical Offices spread across the regions. All Branch Offices took part in the survey execution especially in recruiting the enumerators, organizing the 2nd stage training, assigning the field staff to their sites of enumeration, supervising the data collection and retrieving completed questionnaires and submitting them to the Head Office for data processing. The Branch Offices were also responsible for administering the financial and logistic aspects of the survey within their areas of operation. A total of 2,394 enumerators, 529 field supervisors and 66 statisticians were involved in the data collection where on the average one supervisor was assigned to five enumeration areas for supervision of data collection. All the enumerators were supplied with the necessary survey equipment after the completion of the training to ensure the smooth operation of the survey. To facilitate the data collection activities, a total of 194 four-wheel drive vehicles were used.

2.6. TRAINING OF FIELD STAFF

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

In light of this point, the training was given to the field staff in two stages. The first stage training, which took place at the Ambo University and lasted 7 days targeted staff from the Head Office, statisticians and senior field supervisors from Branch Statistical Offices. The staff that took part in the first stage training was then assigned to conduct similar training for the enumerators and other supervisors for 15 days in all

the twenty- five Branch Statistical Offices distributed across the country. In the training the field staffs was given detailed classroom instruction on how to collect data, method of area measurement, interviewing procedures, etc. The training also included field practice to reinforce the understanding of concepts, definitions and theories discussed in the classroom with regard to field measurement, crop cutting, GPS reading and interviewing methods.

2.7. METHOD OF DATA COLLECTION

The agricultural data for the year 2010/11 (2003 E.C.) was collected from sedentary rural peasant households by interviewing the selected agricultural holders and physically measuring their fields to obtain 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, GPS (Oromiya region only) and others were used during data collection for a timely and smooth acquisition of accurate data. The procedures for measuring area under crop and area of non-crop fields operated by the holders were performed for the 30 selected households from each sampled EA. using measuring tapes and compasses as well as GPS.

2.8. DATA PROCESSING

a) Editing, Coding and Verification

Statistical data editing plays an important role in ensuring the quality of the collected survey data. It minimizes the effects of errors introduced while collecting data in the field, hence the need for data editing, coding and verification. Although coding and editing are done by the enumerators and supervisors in the field, respectively, verification of this task is done at the Head Office. An editing, coding and verification instruction manual was prepared and reproduced for this purpose. Then 66 editors-coders and verifiers were trained for two days in editing, coding and verification using the aforementioned manual as a reference and teaching aid. The completed

questionnaires were edited, coded and later verified on a 100% basis before the questionnaires were passed over to the data entry unit. The editing, coding and verification exercise of all questionnaires took 18 days.

b) Data Entry, Cleaning and Tabulation

Before data entry, the Agriculture, Natural Resources and Environment Statistics Directorate of the CSA prepared edit specification for the survey for use on personal computers for data consistency checking purposes. The data on the edited and coded questionnaires were then entered into personal computers. The data were then checked and cleaned using the edit specifications prepared earlier for this purpose. The data entry operation involved about 70 data encoders, 10 data encoder supervisors, 12 data cleaning operators and 55 personal computers. The data entered into the computers using the entry module of the CSPRO (Census and Survey Processing System) software, which is a software package developed by the United States Bureau of the Census. Following the data entry operations, the data was further reviewed for data inconsistencies, missing data etc... by the regular professional staff from Agriculture, Natural Resources and Environment Statistics Directorate. The final stage of the data processing was to summarizing the cleaned data and produce statistical tables that present the results of the survey using the tabulation component of the PC based CSPRO software produced by professional staff from Agriculture, Natural Resources and Environment Statistics Directorate.

2.9. CONCEPTS AND DEFINITIONS

Data items of agriculture have to be distinctly defined and identified, so that the information about the items becomes useful. The correct way of stating data items and related terms is a prerequisite for making standards and definitions for the collection and compilation of agricultural data. The purpose of using standard concepts and definitions is not only to provide quality data but also to ensure that the right items are enumerated and measured accurately to reflect the agricultural situation.

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

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

Household: - a household may be either:

- a) A one person household, that is a person who makes provisions for his own living 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 without 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 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, 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 Megabit (March) and Pagume (August) is considered to be Belg Season Crop.

Fertilizer: – refers to anything that is added to the soil and intended to increase the amount of plant nutrients available for crop growth. In this survey data is elicited on two types of fertilizers (Natural and Chemical). The Natural fertilizer consists of the farm yard manure and wood ashes while the chemical type consists of DAP (Di- Ammonium phosphate) and UREA (Ammonium Nitrate).

Improved seed- is crop variety, which gives a significantly higher yield, and better quality compared to locally produced variety of seeds.

Pesticides – are chemicals that are useful for the control, mitigation or elimination of pests, which are detrimental to crops. Pesticides include insecticides and herbicides.

Irrigation: - refers to the practice where an area of land is purposely and actually provided with water, other than by rain to improve/increase production of crops. The uncontrolled flooding of land by the overflow of rivers or streams is not considered to be irrigation.

Note:-

1. If in some tables figures do not add up to total it is due to rounding
2. Those area and production designated by “*” in all tables could not be reported because of high coefficient of variation (i.e. they are less reliable). However, they are consolidated in the total estimates.
3. In all tables “-” indicates not reported.

PART III

SUMMARY OF SURVEY RESULTS

Farm Management Practice

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, use of inputs, farm practice and a shift in preference for the crops grown. The items on which data is collected are the ones that are practiced by the peasant holders. The items shown in the statistical tables are fertilizers, improved seeds, pesticides and irrigation. The quantity of fertilizers and improved seeds used and the area they are applied to including pesticides and irrigation are also indicated in the statistical tables.

3.1 Fertilizer Applied Area:

Fertilizer is one of the major agricultural inputs that increase productivity. The application of fertilizer to crop fields in Ethiopia is gathering momentum. The volume of fertilizer used and the extent of area it is applied to are shown in Table 1. The total volume of fertilizer applied to area under crops is estimated to be more than five million quintals and the extent of area to which fertilizer was applied is estimated to be 6.7 million hectares.

Of all the volume of fertilizers used 3.4 million quintals was that of a mixture of UREA and DAP and 1.5 million was that of DAP. Most of the fertilizer used was applied to *teff* (nearly 1.5 million quintals), maize (nearly 1.3 million quintals) and wheat (1.2 thousand quintals). The largest area to which fertilizer was applied was that of *teff* (more than 1.9 million hectares) followed by maize (nearly 1.3 million hectares) and wheat (1.2 thousand hectares).

3.2.Improved Seed Applied Area

Improved seeds are another input that contributes to an increase in agricultural productivity. Their application is also noticeable as more and more peasant holders aspire to have increased volume of crop production. Table 1 sheds some light on the use of improved seeds in the country.

The total volume of improved seeds used in 2010/11 (2003 E.C) was estimated to be more than 373 thousand quintals. The crop area it was applied to was estimated to be around 746 thousand hectares. The larger volumes of improved seeds used were that of wheat and maize which amounted to more than 183 thousand and about 140 thousand quintals, respectively. The largest area to which improved seeds were applied was under maize and wheat estimated to be more than 551 thousand and 96 thousand hectares, respectively.

3.3.Pesticide Applied Area

At times when rampant pests and weeds damage crops the use of pesticides is indispensable. In areas where crop damage caused by pests and weeds was reported the application of pesticides is more evident in the survey results. The total pesticide applied area was estimated to be more than 2.2 million hectares as indicated in Table 1. The number of holders who applied it was more than 3.5 million. Most of the crop area to which pesticide was applied was under teff (about 966 thousand hectares) and wheat (more than 700 thousand hectares).

3.4.Irrigated Area

Irrigation enables to increase the frequency of crop production and alleviates water shortage caused by poor rains /dry seasons. The use of extensive irrigation is an idea fanned by many agricultural experts in the wake of the recurrent drought and famine. The survey results show that the practice of irrigation in the country has a long way to go to bring about the desired change as shown in Table 1.

The total irrigated crop area in the country within the private peasant holdings was estimated to be more than 182 thousand hectares. The farmers who practice irrigation are estimated to number more than one million. Most of the area irrigated was under sorghum, maize and Teff estimated to be more than 31 thousand for sorghum, 28 thousand for maize and 12 thousand hectares for *teff*.

3.5 Extension package

The number of holders participating in various crop extension packages was estimated to be greater than 3.6 million. Most of the area under the extension program was reported to be under maize, *teff* and wheat estimated to be more than 616 thousand, about 556 thousand and more than 425 thousand hectares, respectively, as shown in Table 1. The extension package embraced about 1.9 million maize growers, more than 1.3 million *teff* growers and more than 1.1 wheat growers. Credit and advisory services users numbered about 3.4 million and more than 9 million holders, respectively, as shown in Table 4.

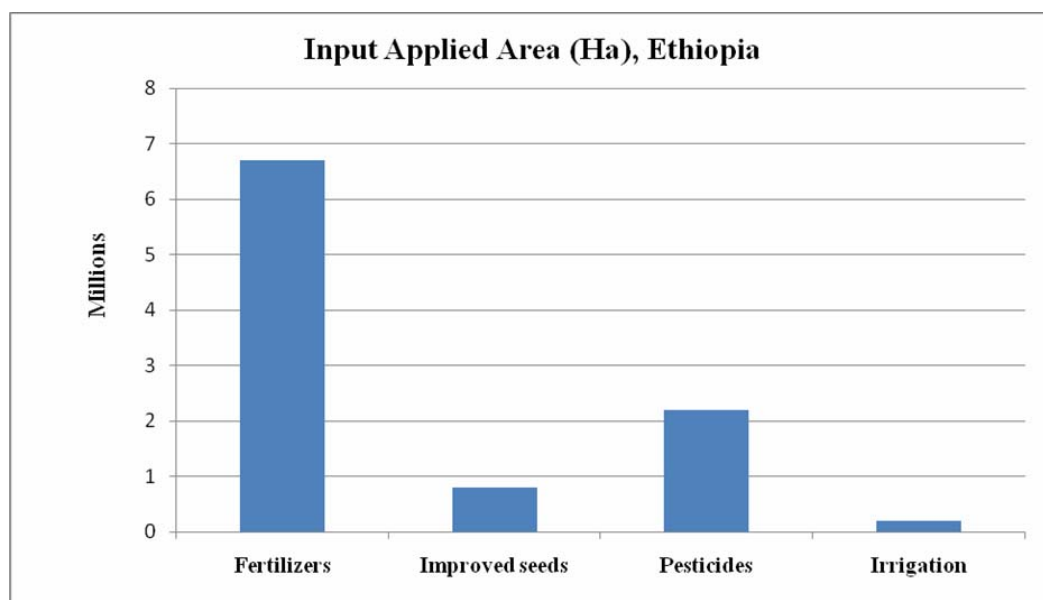


Figure 1: Input applied area in million hectares

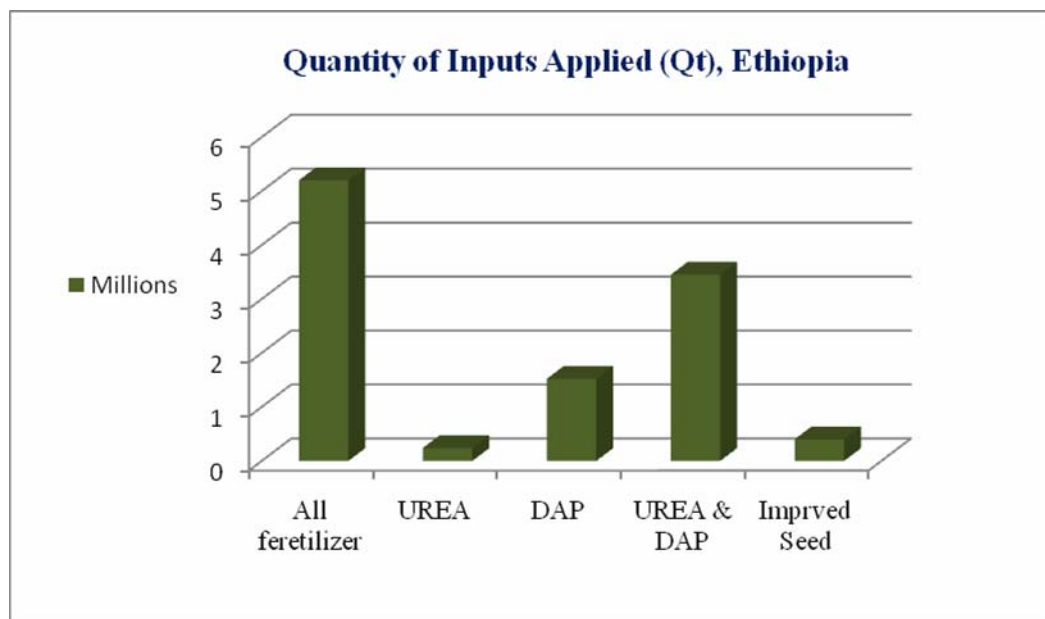


Figure 2: Quantity of inputs applied in million quintals

STATISTICAL TABLES

Table1. Number of Holders, Inputs Applied Area and Quantity of Inputs used

Ethiopia

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	13,359,438	6,744,017	5,200,009	9,095,273	1,908,244	3,763,716	2,108,720	1,516,198
Cereals	9,690,734	5,614,619	4,574,906	5,152,753	1,150,106	3,414,797	1,903,658	1,305,165
Teff	2,761,190	1,866,446	1,486,845	585,843	112,007	1,565,748	652,729	386,909
Barley	1,046,555	566,046	334,448	1,142,376	161,415	940,834	296,165	217,001
Wheat	1,553,240	1,182,095	1,238,204	777,135	107,221	1,157,330	496,304	389,066
Maize	1,963,180	1,269,419	1,266,221	3,532,613	419,655	973,171	247,855	186,750
Sorghum	1,897,734	476,450	106,917	1,281,633	317,518	216,575	56,978	26,721
Finger millet	408,110	233,039	131,504	174,456	26,294	393,741	143,456	93,814
Oats / 'Aja'	30,859	13,828	7,374	48,874	3,072	41,584	9,967	4,731
Rice	29,866	7,296	3,394	17,119	*	*	*	*
Pulses	1,357,523	349,018	171,094	2,063,477	178,134	864,743	128,966	98,275
Horse / Faba beans	459,184	155,549	71,483	1,074,483	90,266	422,240	53,301	45,587
Field Peas	203,991	60,837	30,762	255,134	23,123	187,034	28,265	20,127
Haricot beans	237,366	93,104	57,490	752,791	38,600	329,561	43,613	30,741
Chick peas	208,389	12,074	2,357	95,350	8,736	12,374	1,713	835
Lentils	77,334	12,166	4,856	71,374	5,818	24,456	1,253	567
Vetch / Grass peas	131,044	7,381	436	57,150	6,872	1,831	*	*
Soya beans	11,261	3,488	1,241	26,248	2,509	1,905	*	*
Fenugreek	14,670	3,894	1,689	140,818	2,084	7,924	517	119
Gibto	14,284	525	780	2,907	*	3,124	*	217
Oilseeds	774,530	73,562	81,205	465,535	38,219	111,895	14,717	13,733
Neug	247,611	11,592	2,615	48,360	6,427	12,760	3,963	1,244
Linseed	73,688	9,693	*	114,730	5,620	34,569	*	1,215
Groundnuts	49,603	11,277	*	50,356	5,365	6,087	378	436
Safflower	5,490	2,325	4,192	20,465	555	*	*	*
Sesame	384,683	28,368	8,681	71,794	16,461	15,384	5,167	2,144
Rapeseed	13,455	10,307	55,892	176,916	3,792	40,626	1,832	7,158
Vegetables	126,676	90,994	111,316	3,166,147	39,209	160,904	10,658	17,204
Lettuce	49	25	*	8,039	20	-	-	-
Head cabbage	2,138	1,510	1,421	161,466	1,033	7,354	*	*
Ethiopian cabbage	29,815	22,741	4,040	2,044,522	21,966	30,944	365	983
Tomatoes	5,338	2,366	3,486	53,802	721	3,838	97	*
Green peppers	5,789	2,952	545	459,249	2,435	14,771	194	185
Red peppers	83,416	61,317	101,760	796,946	12,953	108,462	9,785	15,138
Swiss chard	130	83	*	37,748	81	*	*	*
Root crops	214,346	127,986	79,943	2,861,813	81,712	385,894	29,371	34,733
Beetroot	1,430	1,011	*	178,800	810	8,617	100	287
Carrot	2,215	*	*	63,820	*	6,339	*	*
Onion	22,036	15,870	21,060	359,973	4,486	33,942	*	4,770
Potatoes	54,007	42,151	43,017	529,281	14,620	265,228	18,746	24,795
Garlic	10,690	7,513	4,440	869,477	6,303	20,704	*	636
Taro 'Godere'	42,271	20,459	737	779,684	20,149	6,997	182	191
Sweet potatoes	81,698	39,291	8,674	854,187	34,023	65,869	3,211	3,349
Other Temporary	77,927	33,423	18,236	1,546,202	27,556	50,112	2,551	3,803
Permanent crops	54,647	18,591		1,525,481	17,360			
Avocado	7,212	3,511		516,063	3,425			
Bananas	31,886	10,546		946,484	9,842			
Guava	1,835	292		71,953	259			
Lemons	496	157		41,533	154			
Mangoes	7,513	1,645		244,519	1,463			
Oranges	3,229	1,295		165,521	1,242			
Papayas	2,239	989		227,424	953			
Pineapples	238	*		5,365	22			
Stimulant	724,936	213,765		3,232,494	158,929			
Chat	204,649	113,842		1,220,513	69,811			
Coffee	498,618	90,003		2,017,949	80,387			
Hops / 'Gescho'	21,669	9,920		769,215	8,731			
Enset	301,979	209,476		3,296,563	208,047			
Sugar cane	23,342	9,685		480,346	6,788			
Other permanent	12,800	2,898		373,817	2,186			

(Table 1cont'd.)

Ethiopia

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	885,447	301,487	237,315	3,939,557	2,425,566	3,446,495	14,250,824	12,612,265	9,383,544
Cereals	714,355	250,460	161,211	3,826,879	2,310,395	3,108,531	12,462,982	8,985,219	7,632,025
Teff	326,399	120,391	63,686	1,910,587	981,319	1,036,249	6,184,759	2,721,196	1,448,966
Barley	57,842	9,545	6,862	505,183	98,921	110,585	4,132,844	1,032,519	1,839,616
Wheat	126,370	22,352	18,219	1,599,444	556,218	830,919	4,417,225	1,456,529	2,901,112
Maize	230,668	36,541	36,269	1,692,333	565,368	1,043,201	7,265,273	1,410,832	624,891
Sorghum	138,891	46,157	29,913	232,933	55,798	50,282	5,096,642	1,896,659	525,946
Finger millet	54,359	14,360	5,500	204,230	48,929	32,189	1,506,801	407,604	190,469
Oats / 'Aja'	*	*	*	10,390	701	*	244,864	30,849	45,928
Rice	5,564	*	*	13,435	3,141	2,519	90,145	29,031	*
Pulses	69,861	5,843	6,513	335,558	36,074	66,306	6,717,652	1,350,576	1,571,210
Horse / Faba beans	17,167	1,851	1,117	136,379	10,131	24,779	3,445,095	458,146	666,641
Field Peas	4,732	748	476	50,647	8,701	10,159	1,388,858	203,558	248,073
Haricot beans	30,723	1,884	3,983	116,516	9,007	22,766	2,233,914	235,402	180,705
Chick peas	2,809	300	*	8,826	1,325	1,185	874,555	207,085	219,459
Lentils	5,400	516	203	28,012	4,580	4,086	595,894	75,204	79,695
Vetch / Grass peas	*	*	*	4,408	327	394	673,019	131,002	148,590
Soya beans	-	-	-	5,241	914	1,196	76,475	11,225	8,415
Fenugreek	7,971	294	156	18,631	999	1,414	371,253	14,670	11,218
Gibto	*	*	*	*	*	*	79,458	14,284	8,414
Oilseeds	59,659	10,794	8,231	135,009	9,832	59,241	2,608,087	772,136	180,309
Neug	*	*	*	6,391	483	*	789,356	247,562	43,670
Linseed	6,347	187	*	19,806	*	*	775,740	73,184	43,699
Groundnuts	*	*	*	3,725	*	*	240,524	49,554	34,574
Safflower	6,629	618	870	8,416	508	1,785	86,598	5,490	2,256
Sesame	14,680	4,459	1,809	12,578	2,281	*	762,591	382,893	46,904
Rapeseed	10,550	217	696	85,823	4,465	48,038	364,119	13,454	9,207
Vegetables	116,956	6,583	11,487	282,005	34,545	82,625	4,956,890	123,408	-
Lettuce	-	-	-	*	*	*	15,920	49	-
Head cabbage	9,221	*	125	13,059	181	593	258,953	1,965	-
Ethiopian cabbage	7,855	85	*	14,830	326	2,511	2,731,149	29,759	-
Tomatoes	1,723	*	*	5,524	1,354	3,190	112,711	4,587	-
Green peppers	7,784	*	86	11,916	167	274	769,340	5,762	-
Red peppers	95,209	6,069	10,629	245,536	32,510	75,993	1,765,223	81,162	-
Swiss chard	-	-	-	*	*	*	53,141	126	-
Root crops	103,102	3,982	6,726	225,170	12,921	38,483	5,191,776	212,293	-
Beetroot	-	-	-	4,231	*	*	252,659	1,371	-
Carrot	2,438	19	18	*	*	*	105,472	1,946	-
Onion	22,043	*	*	49,394	3,804	14,273	669,430	21,095	-
Potatoes	28,138	1,290	2,044	102,708	7,495	16,178	1,122,700	53,759	-
Garlic	31,065	171	586	58,241	721	3,219	1,407,789	10,567	-
Taro 'Godere'	3,988	*	*	*	*	*	1,339,012	42,246	-
Sweet potatoes	21,674	1,360	1,793	29,174	697	3,533	1,752,197	81,309	-
Other Temporary	29,527	1,059	2,037	55,250	2,257	12,396	2,663,716	77,748	-
Permanent crops							2,851,132	53,882	
Avocado							863,305	6,858	
Bananas							1,864,524	31,772	
Guava							168,555	1,721	
Lemons							109,488	485	
Mangoes							645,128	7,448	
Oranges							333,995	3,210	
Papayas							472,009	2,151	
Pineapples							17,119	238	
stimulant							6,018,296	701,416	
Chat							2,389,489	204,536	
Coffee							3,741,438	475,339	
Hops / 'Geshe'							1,568,242	21,542	
Enset							4,371,164	299,713	
Sugar cane							1,013,280	23,329	
Other permanent							837,393	12,544	

(Table 1 Cont'd.)

Ethiopia

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	2,172,538	745,924	373,681	3,508,928	2,243,711	1,039,859	182,146	3,643,618	2,198,324
Cereals	1,867,076	704,599	365,082	3,289,238	2,150,919	389,041	85,097	3,469,706	2,017,463
Teff	106,728	39,972	16,414	1,912,761	966,213	61,441	12,155	1,357,985	555,889
Barley	25,637	*	*	688,252	231,813	48,772	7,207	613,056	165,025
Wheat	340,535	96,710	183,465	1,584,055	700,893	32,088	5,102	1,136,167	425,494
Maize	1,494,343	551,631	140,610	274,949	88,061	223,940	28,577	1,902,643	616,775
Sorghum	5,808	910	338	265,307	102,474	122,066	31,147	379,865	115,026
Finger millet	1,748	*	*	168,183	48,451	9,096	893	394,245	129,561
Oats / 'Aja'	*	*	*	60,051	11,515	*	*	24,554	6,316
Rice	*	*	*	6,240	1,498	*	*	*	*
Pulses	47,670	6,933	7,992	229,065	51,991	78,614	*	528,574	82,295
Horse / Faba beans	7,780	1,037	1,145	93,136	13,270	14,161	1,012	290,485	33,337
Field Peas	*	*	531	45,659	8,757	2,345	*	80,250	11,976
Haricot beans	27,249	1,952	2,406	27,446	4,036	33,342	2,175	131,874	14,374
Chick peas	5,006	1,304	2,188	32,236	13,851	13,081	2,206	37,951	9,162
Lentils	6,807	2,130	1,664	39,815	7,587	*	*	35,814	5,348
Vetch / Grass peas	*	*	*	*	*	*	*	27,748	4,932
Soya beans	*	*	*	-	-	*	*	*	*
Fenugreek	-	-	-	2,404	*	7,240	*	20,687	808
Gibto	-	-	-	*	*	-	-	8,317	*
Oilseeds	4,315	*	608	33,047	4,518	32,010	*	233,176	31,338
Neug	*	*	-	5,189	929	-	-	33,045	7,182
Linseed	*	*	*	19,251	2,329	6,322	158	37,389	3,268
Groundnuts	*	*	*	*	*	*	*	7,182	*
Safflower	-	-	-	*	*	*	*	13,290	939
Sesame	*	*	*	4,882	588	*	*	39,653	13,905
Rapeseed	*	*	-	1,864	*	2,850	*	111,983	5,226
Vegetables	46,645	*	-	71,659	4,179	183,448	5,112	260,420	15,942
Lettuce	*	*	-	-	-	3,418	*	2,903	*
Head cabbage	19,591	173	-	6,257	*	19,237	187	20,450	212
Ethiopian cabbage	*	*	-	20,894	329	36,456	389	41,414	749
Tomatoes	10,758	*	-	5,844	*	30,854	2,811	12,993	*
Green peppers	*	*	-	6,557	84	50,283	503	26,643	253
Red peppers	*	*	-	35,127	2,279	68,295	1,192	181,234	14,121
Swiss chard	4,738	4	-	-	-	7,470	16	4,151	6
Root crops	76,397	2,035	-	154,912	21,560	282,144	13,575	301,336	14,045
Beetroot	18,137	59	-	2,081	*	10,180	42	16,269	54
Carrot	13,096	*	-	*	*	14,368	*	11,433	*
Onion	18,739	941	-	33,025	*	101,966	6,006	57,287	3,228
Potatoes	11,584	248	-	96,730	13,471	56,552	2,451	130,587	8,194
Garlic	3,404	*	-	19,469	*	76,604	1,689	97,070	1,076
Taro 'Godere'	2,335	*	-	1,868	*	3,223	*	5,254	*
Sweet potatoes	*	*	-	7,329	157	74,521	2,905	30,823	1,003
Other Temporary	3,791	*	-	23,328	1,435	78,882	2,434	88,859	3,192
Permanent crops				14,887	142	286,003	11,603	83,968	1,126
Avocado				4,212	*	25,954	*	18,014	125
Bananas				2,397	*	184,670	8,508	30,583	271
Guava				*	*	38,343	370	17,047	151
Lemons				*	*	28,128	215	5,788	12
Mangoes				3,073	*	28,047	*	11,624	81
Oranges				3,827	*	46,072	729	17,162	*
Papayas				2,914	*	48,389	350	21,792	105
Pineapples				-	-	*	*	-	-
Stimulant	204,013	23,319	-	90,684	7,387	420,916	38,327	257,472	26,607
Chat				73,448	5,524	258,523	26,975	147,237	14,581
Coffee	201,895	23,263	-	22,727	1,863	258,662	11,352	136,688	12,026
Hops / 'Geshe'				12,527	101	172,173	2,720	106,397	1,800
Enset				16,325	1,230	59,745	2,493		
Sugar cane				1,327	*	131,143	6,767	12,221	*
Other permanent				4,187	*	55,541	866	36,668	1,045

Table1.1 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Tigray

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	849,289	543,121	249,937	598,142	183,200	176,122	96,531	42,138
Cereals	713,492	511,043	242,246	531,046	160,266	174,210	91,763	40,436
Teff	165,804	121,438	66,897	60,783	13,339	78,797	26,913	10,921
Barley	90,649	65,222	47,490	147,654	20,276	54,417	8,163	6,955
Wheat	100,176	74,968	66,127	93,302	11,978	45,707	8,788	7,750
Maize	62,857	55,288	14,496	342,243	35,276	31,842	3,760	1,555
Sorghum	216,879	137,823	28,848	186,617	67,057	58,514	28,030	8,347
Finger millet	76,065	55,480	17,771	74,861	12,339	48,858	16,109	4,908
Oats / 'Aja'	*	-	-	-	-	-	-	-
Rice	*	*	*	-	-	-	-	-
Pulses	36,701	10,969	2,318	115,955	8,366	8,305	778	484
Horse / Faba beans	12,746	5,772	1,320	83,700	4,279	6,316	459	383
Field Peas	3,334	673	*	10,548	550	*	*	*
Haricot beans	*	*	*	*	*	*	*	*
Chick peas	6,660	1,162	195	7,842	733	*	*	*
Lentils	4,739	1,063	*	5,902	*	*	-	*
Vetch / Grass peas	7,271	*	*	8,594	*	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	*	*	*	4,949	*	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	84,268	16,002	1,573	40,863	11,574	10,420	3,549	1,048
Neug	4,456	1,021	*	8,340	951	-	-	-
Linseed	6,210	*	*	9,418	*	*	*	*
Groundnuts	*	*	-	*	*	-	-	-
Safflower	160	82	*	*	*	-	-	-
Sesame	73,425	13,392	1,075	24,310	9,525	9,541	3,373	990
Rapeseed	7	*	-	*	*	-	-	-
Vegetables	2,809	1,645	577	133,766	1,287	4,272	*	*
Lettuce	*	*	*	*	*	-	-	-
Head cabbage	102	57	99	*	*	-	-	-
Ethiopian cabbage	*	*	-	*	*	-	-	-
Tomatoes	322	240	*	11,756	*	*	*	*
Green peppers	602	358	151	34,294	249	*	*	*
Red peppers	1,760	986	172	95,193	877	2,442	*	*
Swiss chard	13	*	*	1,938	*	-	-	-
Root crops	2,335	1,695	1,390	35,102	584	*	*	*
Beetroot	*	*	*	-	-	-	-	-
Carrot	*	*	*	*	*	*	*	*
Onion	528	307	*	9,580	*	-	-	-
Potatoes	*	*	*	11,436	*	*	*	*
Garlic	716	529	304	18,172	*	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	*	-	-	-	-	-	-	-
Other Temporary	671	290	*	20,468	207	*	*	*
Permanent crops	514	161		12,884	125			
Avocado	*	-		-	-			
Bananas	*	31		3,907	29			
Guava	210	71		6,232	*			
Lemons	24	*		*	*			
Mangoes	*	*		*	*			
Oranges	*	*		4,032	*			
Papayas	68	26		3,507	26			
Pineapples	-	-		-	-			
stimulant	2,310	1,066		40,179	543			
Chat	*	*		*	*			
Coffee	*	*		*	21			
Hops / 'Geshe'	1,805	956		39,530	491			
Enset	-	-		-	-			
Sugar cane	*	-		-	-			
Other permanent	6,164	250		11,365	247			

(Table 1.1 cont'd.)

Tigray

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	89,532	36,109	18,631	438,199	227,280	189,168	946,426	828,676	561,848
Cereals	85,752	35,217	17,977	436,013	223,796	183,834	929,549	695,353	506,966
Teff	35,117	10,173	5,336	248,505	71,012	50,640	518,584	163,645	74,142
Barley	20,456	4,234	3,329	185,097	32,548	37,206	435,093	90,596	163,119
Wheat	20,152	5,194	3,930	226,285	49,008	54,447	359,684	86,519	144,180
Maize	26,298	2,402	1,195	125,236	13,849	11,746	594,950	62,203	30,439
Sorghum	23,248	9,265	2,864	108,749	33,471	17,637	511,421	216,182	67,891
Finger millet	18,881	3,949	1,322	99,816	23,083	11,541	307,141	75,971	26,958
Oats / 'Aja'	-	-	-	-	-	-	*	*	*
Rice	-	-	-	*	*	*	*	*	*
Pulses	*	*	*	18,748	1,497	1,589	312,936	36,524	40,499
Horse / Faba beans	*	*	*	9,862	722	748	192,681	12,721	15,088
Field Peas	*	*	*	*	*	*	40,135	3,309	5,122
Haricot beans	-	-	-	*	*	*	19,752	*	512
Chick peas	-	-	-	*	*	*	39,013	6,660	5,220
Lentils	-	-	-	3,475	*	*	45,977	4,611	7,418
Vetch / Grass peas	-	-	-	*	*	*	42,320	7,271	6,969
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	*	*	*	19,872	*	170
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	2,081	*	*	4,414	555	431	209,649	82,796	14,383
Neug	-	-	-	*	*	*	32,204	4,456	1,440
Linseed	*	*	*	*	*	*	68,117	6,210	2,782
Groundnuts	-	-	-	-	-	-	*	*	*
Safflower	*	*	*	*	*	*	*	160	*
Sesame	1,091	*	*	*	*	*	117,448	71,952	10,112
Rapeseed	-	-	-	-	-	-	2,807	7	*
Vegetables	3,201	*	*	14,206	219	425	210,200	2,715	-
Lettuce	-	-	-	*	*	*	3,605	*	-
Head cabbage	*	*	*	3,387	*	*	7,258	95	-
Ethiopian cabbage	-	-	-	-	-	-	*	*	-
Tomatoes	*	*	*	1,379	*	*	19,349	235	-
Green peppers	*	*	*	6,171	62	124	65,206	602	-
Red peppers	*	*	*	5,220	47	91	136,251	1,760	-
Swiss chard	-	-	-	*	*	*	5,218	13	-
Root crops	3,539	*	*	22,091	662	1,116	76,050	1,761	-
Beetroot	-	-	-	*	*	*	*	*	-
Carrot	*	*	*	*	*	*	*	*	-
Onion	*	*	*	8,976	*	178	22,359	332	-
Potatoes	*	*	*	7,393	*	*	23,270	*	-
Garlic	*	*	*	11,574	*	295	44,409	612	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	*	*	-
Other Temporary	*	*	*	*	*	*	45,387	671	-
Permanent crops							34,212	422	
Avocado							*	*	
Bananas							9,032	*	
Guava							15,725	145	
Lemons							7,904	24	
Mangoes							1,838	*	
Oranges							6,782	*	
Papayas							8,409	59	
Pineapples							-	-	
Stimulant							106,108	2,281	
Chat							*	*	
Coffee							8,417	*	
Hops / 'Geshe'							103,937	1,791	
Enset							-	-	
Sugar cane							*	*	
Other permanent							117,141	6,129	

(Table 1.1 Cont'd.)

Tigray

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	102,114	20,613	28,829	143,630	64,247	120,261	23,202	565,004	332,629
Cereals	85,413	18,139	28,547	139,954	63,023	53,520	*	553,497	309,222
Teff	7,745	*	*	60,355	18,592	12,000	*	308,391	95,115
Barley	*	*	*	29,303	4,803	11,215	1,911	229,133	45,718
Wheat	69,027	13,657	25,881	22,885	4,902	16,047	2,519	257,036	59,610
Maize	5,578	654	392	33,557	3,554	24,235	2,058	185,389	20,650
Sorghum	3,527	697	273	58,145	23,858	*	*	174,989	58,824
Finger millet	*	*	*	28,029	6,810	1,861	*	129,542	28,457
Oats / 'Aja'	-	-	-	-	-	-	-	*	*
Rice	*	*	*	*	*	*	*	*	*
Pulses	*	*	*	8,710	1,070	11,813	862	93,387	10,944
Horse / Faba beans	*	*	*	6,070	*	*	*	54,049	3,602
Field Peas	*	*	*	*	*	*	*	12,366	735
Haricot beans	-	-	-	*	*	-	-	*	*
Chick peas	-	-	-	*	*	3,586	384	9,927	1,984
Lentils	*	*	*	*	*	*	*	12,382	1,237
Vetch / Grass peas	-	-	-	-	-	*	*	15,486	3,120
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	*	*	6,032	23
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	*	*	*	*	*	2,022	*	30,632	*
Neug	-	-	-	-	-	-	-	4,074	321
Linseed	-	-	-	*	*	*	*	11,732	964
Groundnuts	-	-	-	-	-	*	*	*	*
Safflower	-	-	-	-	-	*	*	*	*
Sesame	*	*	*	*	*	-	-	11,630	*
Rapeseed	-	-	-	-	-	*	*	-	-
Vegetables	*	*	*	*	*	31,715	611	26,567	505
Lettuce	-	-	-	-	-	*	*	*	*
Head cabbage	*	*	-	-	-	5,680	97	4,017	90
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	*	*	-	-	-	10,509	159	6,595	*
Green peppers	-	-	-	*	*	17,088	210	13,191	161
Red peppers	-	-	-	800	*	5,984	*	7,495	117
Swiss chard	-	-	-	-	-	3,638	12	*	*
Root crops	4,225	574	-	*	*	28,834	1,113	28,496	1,291
Beetroot	-	-	-	-	-	*	*	*	*
Carrot	*	*	-	-	-	*	*	*	*
Onion	*	*	-	-	-	11,847	448	11,200	336
Potatoes	*	*	-	-	-	7,383	*	10,191	*
Garlic	*	*	-	*	*	14,688	*	12,505	*
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other Temporary	-	-	-	*	*	9,204	*	*	*
Permanent crops				*	*	31,664	404	16,149	261
Avocado				-	-	*	*	*	*
Bananas				-	-	9,243	90	3,310	*
Guava				*	*	16,952	165	10,058	114
Lemons				-	-	*	17	1,497	3
Mangoes				-	-	1,552	*	1,310	*
Oranges				-	-	6,870	*	4,738	*
Papayas				-	-	6,691	45	4,123	32
Pineapples				-	-	-	-	-	-
Stimulant	3,230	*	-	-	-	10,830	*	*	*
Chat				-	-	*	*	-	-
Coffee	*	*	-	-	-	8,906	*	*	*
Hops / 'Geshe'				-	-	47,658	630	26,728	*
Enset				-	-	-	-	*	*
Sugar cane				-	-	*	*	*	*
Other permanent				-	-	7,724	26	11,782	352

Table1.1.1 Number of Holders, Inputs Applied Area and Quantity of Inputs used

North West Tigray

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	196,598	148,893	42,722	134,180	54,713	51,478	39,261	11,352
Cereals	168,288	140,244	41,488	122,729	50,048	51,213	35,844	10,443
Teff	33,830	29,402	16,329	5,270	1,199	23,035	8,225	3,008
Barley	256	150	*	*	*	*	*	*
Wheat	*	*	*	-	-	-	-	-
Maize	23,957	22,952	5,692	111,886	15,132	8,479	1,080	484
Sorghum	65,368	53,404	8,977	59,696	26,986	23,456	14,193	3,528
Finger millet	44,742	34,225	10,257	30,071	6,669	30,045	12,318	3,398
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	*	*	*	-	-	-	-	-
Pulses	4,313	723	72	6,881	291	1,364	*	*
Horse / Faba beans	1,922	289	*	*	*	*	*	*
Field Peas	*	-	-	-	-	-	-	-
Haricot beans	84	27	*	*	*	*	*	*
Chick peas	2,147	407	*	2,504	150	*	*	*
Lentils	-	-	-	-	-	-	-	-
Vetch / Grass peas	*	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	22,044	6,842	*	13,395	*	*	*	*
Neug	2,472	*	-	*	*	-	-	-
Linseed	462	*	-	*	*	-	-	-
Groundnuts	*	*	-	*	*	-	-	-
Safflower	*	*	*	-	-	-	-	-
Sesame	*	6,106	*	*	*	*	*	*
Rapeseed	-	-	-	-	-	-	-	-
Vegetables	1,110	932	146	83,349	809	*	*	*
Lettuce	*	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-
Tomatoes	*	*	*	*	*	*	*	*
Green peppers	244	175	*	13,523	*	*	*	*
Red peppers	786	692	101	71,417	621	*	*	*
Swiss chard	*	-	-	-	-	-	-	-
Root crops	14	*	-	*	*	-	-	-
Beetroot	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	*	*	-	*	*	-	-	-
Potatoes	-	-	-	-	-	-	-	-
Garlic	*	*	-	*	*	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-
Other Temporary	*	*	*	4,051	*	*	*	*
Permanent crops	*	*	-	*	*	-	-	-
Avocado	*	-	-	-	-	-	-	-
Bananas	*	*	-	*	*	-	-	-
Guava	*	*	-	*	*	-	-	-
Lemons	*	-	-	-	-	-	-	-
Mangoes	*	*	-	-	-	-	-	-
Oranges	*	*	-	*	*	-	-	-
Papayas	*	*	-	*	*	-	-	-
Pineapples	-	-	-	-	-	-	-	-
Stimulant	*	*	-	*	*	-	-	-
Chat	-	-	-	-	-	-	-	-
Coffee	*	-	-	-	-	-	-	-
Hops / 'Geshe'	*	*	-	*	*	-	-	-
Enset	-	-	-	-	-	-	-	-
Sugar cane	*	-	-	-	-	-	-	-
Other permanent	*	*	-	-	-	-	-	-

(Table 1.1.1cont'd.)

North West Tigray

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	10,490	4,960	1,709	78,775	49,959	29,660	172,341	195,150	68,967
Cereals	10,170	4,730	1,605	78,775	49,622	29,440	171,476	166,873	62,416
Teff	3,300	719	499	55,525	19,258	12,823	103,759	33,561	15,534
Barley	-	-	-	1,076	*	*	6,209	256	284
Wheat	-	-	-	*	*	*	*	*	*
Maize	1,952	*	*	30,864	6,491	5,113	157,140	23,460	10,497
Sorghum	*	*	*	21,182	9,843	4,913	120,325	64,827	21,436
Finger millet	4,260	*	476	44,535	13,861	6,383	128,411	44,648	14,574
Oats / ‘Aja’	-	-	-	-	-	-	-	-	-
Rice	-	-	-	*	*	*	-	-	-
Pulses	-	-	-	*	*	*	39,270	4,313	2,902
Horse / Faba beans	-	-	-	*	*	*	23,259	1,922	1,348
Field Peas	-	-	-	-	-	-	*	*	*
Haricot beans	-	-	-	-	-	-	3,563	84	52
Chick peas	-	-	-	*	*	*	14,599	2,147	1,417
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	*	*	*
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	*	*	*	*	*	*	58,649	22,044	3,649
Neug	-	-	-	-	-	-	14,204	2,472	*
Linseed	-	-	-	-	-	-	6,601	462	197
Groundnuts	-	-	-	-	-	-	*	*	*
Safflower	-	-	-	*	*	*	*	*	*
Sesame	*	*	*	-	-	-	41,175	*	2,546
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	*	*	*	4,707	40	*	105,242	1,110	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	*	*	*	23,482	244	-
Red peppers	*	*	*	3,257	*	*	85,131	786	-
Swiss chard	-	-	-	-	-	-	*	*	-
Root crops	-	-	-	-	-	-	*	14	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	*	*	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	*	*	-
Taro ‘Godere’	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other Temporary	-	-	-	*	*	*	7,348	*	-
Permanent crops							4,574	*	
Avocado							*	*	
Bananas							*	*	
Guava							*	*	
Lemons							*	*	
Mangoes							*	*	
Oranges							*	*	
Papayas							*	*	
Pineapples							-	-	
Stimulant							16,471	*	
Chat							-	-	
Coffee							*	*	
Hops / ‘Gesho’							16,471	*	
Enset							-	-	
Sugar cane							*	*	
Other permanent							*	*	

(Table 1.1.1 Cont'd.)

North West Tigray

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	7,467	1,448	669	44,248	19,964	14,610	623	86,051	60,152
Cereals	6,501	1,414	669	42,613	19,675	2,279	*	84,905	57,249
Teff	*	*	*	7,965	2,031	*	*	51,551	19,798
Barley	-	-	-	-	-	-	-	1,076	*
Wheat	-	-	-	-	-	-	-	*	*
Maize	3,249	*	209	10,658	1,074	*	*	28,819	5,946
Sorghum	2,436	541	191	27,544	12,613	*	*	34,644	16,780
Finger millet	*	*	*	12,914	3,957	*	*	45,795	14,556
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	*	*	*	-	-	*	*	*	*
Pulses	-	-	-	*	*	*	*	2,228	465
Horse / Faba beans	-	-	-	*	*	-	-	1,145	*
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	-	-	-	-
Chick peas	-	-	-	*	*	*	*	1,084	*
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	*	*	-	-	9,099	*
Neug	-	-	-	-	-	-	-	*	*
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	*	*
Sesame	-	-	-	*	*	-	-	*	*
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	-	-	-	*	*	*	*	5,534	40
Lettuce	-	-	-	-	-	*	*	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	*	*	*	*	*	*
Red peppers	-	-	-	*	*	*	*	*	*
Swiss chard	-	-	-	-	-	*	*	-	-
Root crops	-	-	-	-	-	1,078	*	*	*
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	*	*	*	*
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	*	*	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other Temporary	-	-	-	-	-	*	*	-	-
Permanent crops	-	-	-	*	*	*	*	*	*
Avocado	-	-	-	-	-	*	*	-	-
Bananas	-	-	-	-	-	*	*	*	*
Guava	-	-	-	*	*	*	*	*	*
Lemons	-	-	-	-	-	*	*	*	*
Mangoes	-	-	-	-	-	*	*	*	*
Oranges	-	-	-	-	-	*	*	*	*
Papayas	-	-	-	-	-	*	*	*	*
Pineapples	-	-	-	-	-	-	-	-	-
Stimulant	-	-	-	-	-	*	*	-	-
Chat	-	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	*	*	-	-
Hops / 'Gescho'	-	-	-	-	-	9,777	*	*	*
Enset	-	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	*	*	*	*
Other permanent	-	-	-	-	-	*	*	*	*

Table1.1.2 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Central Tigray

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	218,351	177,623	97,081	185,438	49,283	46,472	29,616	13,532
Cereals	201,238	170,512	93,964	161,520	44,087	46,472	29,145	13,435
Teff	64,888	59,375	39,094	17,962	*	35,271	12,711	6,038
Barley	18,385	14,535	13,542	40,479	3,460	11,724	*	*
Wheat	25,849	20,466	18,660	25,224	2,877	*	*	*
Maize	21,673	20,455	5,477	110,194	12,289	13,631	1,896	539
Sorghum	55,154	43,643	11,834	73,549	19,383	24,810	9,081	3,334
Finger millet	15,289	12,038	5,358	20,091	1,714	15,595	*	1,236
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
Pulses	11,048	3,310	741	53,263	2,716	*	*	*
Horse / Faba beans	5,345	2,250	551	42,669	1,863	*	*	*
Field Peas	191	*	-	*	*	-	-	-
Haricot beans	*	*	*	*	*	-	-	-
Chick peas	1,365	*	*	*	*	*	*	*
Lentils	1,242	*	*	*	*	-	-	-
Vetch / Grass peas	*	*	-	*	*	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	*	*	*	*	*	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	*	*	185	*	*	*	*	*
Neug	*	*	*	*	*	-	-	-
Linseed	2,208	*	*	*	*	*	*	*
Groundnuts	-	-	-	-	-	-	-	-
Safflower	*	*	*	-	-	-	-	-
Sesame	*	*	-	*	*	-	-	-
Rapeseed	-	-	-	-	-	-	-	-
Vegetables	296	193	*	22,466	116	*	*	*
Lettuce	*	*	*	-	-	-	-	-
Head cabbage	*	*	59	-	-	-	-	-
Ethiopian cabbage	*	-	-	-	-	-	-	-
Tomatoes	*	*	*	*	*	-	-	-
Green peppers	85	70	*	10,362	51	*	*	*
Red peppers	139	59	18	*	*	*	*	*
Swiss chard	*	*	*	*	*	-	-	-
Root crops	575	523	*	6,596	36	*	*	*
Beetroot	*	*	*	-	-	-	-	-
Carrot	*	*	*	-	-	*	*	*
Onion	*	*	*	*	*	-	-	-
Potatoes	*	*	*	*	*	-	-	-
Garlic	*	*	244	4,449	24	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-
Other Temporary	42	*	*	3,991	*	-	-	-
Permanent crops	151	*		2,209	*			
Avocado	*	-		-	-			
Bananas	*	*		*	*			
Guava	*	*		*	*			
Lemons	*	*		*	*			
Mangoes	*	*		*	*			
Oranges	36	*		1,462	*			
Papayas	*	*		*	*			
Pineapples	-	-		-	-			
Stimulant	*	*		12,057	*			
Chat	*	*		*	*			
Coffee	*	*		*	*			
Hops / 'Geshe'	*	*		11,700	*			
Enset	-	-		-	-			
Sugar cane	-	-		-	-			
Other permanent	*	*		*	*			

(Table 1.1.2cont'd.)

Central Tigray

[illegible]

(Table 1.1.2 Cont'd.)

Central Tigray

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	20,635	2,473	3,904	56,941	27,402	28,261	1,783	198,509	110,763
Cereals	15,582	2,126	3,904	55,775	26,832	6,677	*	195,093	105,223
Teff	*	*	*	42,127	14,664	1,493	*	149,266	44,252
Barley	-	-	-	19,494	3,223	*	*	64,281	8,048
Wheat	12,596	1,624	3,319	12,148	2,107	*	*	70,980	13,580
Maize	*	*	*	17,561	2,199	4,469	*	94,525	9,753
Sorghum	*	*	*	16,758	3,241	*	*	83,850	21,985
Finger millet	-	-	-	10,154	1,398	*	-	51,470	7,607
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	*	*	*	*	42,887	*
Horse / Faba beans	-	-	-	*	*	*	*	29,655	1,767
Field Peas	-	-	-	-	-	-	-	*	*
Haricot beans	-	-	-	*	*	-	-	*	*
Chick peas	-	-	-	*	*	*	*	*	*
Lentils	-	-	-	*	*	-	-	4,755	257
Vetch / Grass peas	-	-	-	-	-	-	-	*	*
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	*	*	*	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	*	*	-	-	6,421	*
Neug	-	-	-	-	-	-	-	*	*
Linseed	-	-	-	*	*	-	-	3,047	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	*	*
Sesame	-	-	-	-	-	-	-	*	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	*	*	-	-	-	12,215	93	10,547	102
Lettuce	-	-	-	-	-	-	-	*	*
Head cabbage	-	-	-	-	-	3,221	*	*	*
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	*	*	-	-	-	2,581	*	2,969	*
Green peppers	-	-	-	-	-	8,186	33	6,025	31
Red peppers	-	-	-	-	-	*	*	1,597	*
Swiss chard	-	-	-	-	-	1,431	*	*	*
Root crops	*	*	-	*	*	10,841	*	11,608	*
Beetroot	-	-	-	-	-	*	*	*	*
Carrot	*	*	-	-	-	*	*	*	*
Onion	-	-	-	-	-	*	*	*	*
Potatoes	-	-	-	-	-	*	*	*	*
Garlic	*	*	-	*	*	9,052	*	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other Temporary	-	-	-	-	-	*	*	*	*
Permanent crops	-	-	-	-	-	9,716	101	*	67
Avocado	-	-	-	-	-	*	*	*	*
Bananas	-	-	-	-	-	*	*	*	*
Guava	-	-	-	-	-	*	*	*	*
Lemons	-	-	-	-	-	*	*	*	*
Mangoes	-	-	-	-	-	*	*	*	*
Oranges	-	-	-	-	-	2,894	*	*	*
Papayas	-	-	-	-	-	1,865	*	*	*
Pineapples	-	-	-	-	-	-	-	-	-
Stimulant	*	*	-	-	-	*	*	*	*
Chat	-	-	-	-	-	*	*	-	-
Coffee	*	*	-	-	-	*	*	*	*
Hops / 'Gesho'	-	-	-	-	-	14,273	*	*	*
Enset	-	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	-	-	-	-
Other permanent	-	-	-	-	-	*	*	*	*

Table1.1.3 Number of Holders, Inputs Applied Area and Quantity of Inputs used

East Tigray

Crop type	All	All Fertilizers		Natural		DAP		
	Crop Area	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	102,142	69,189	45,153	113,102	24,297	46,472	10,234	8,307
Cereals	85,169	65,001	44,028	97,309	20,842	45,544	9,925	7,988
Teff	10,883	7,204	2,650	14,907	1,247	10,052	1,672	692
Barley	32,285	26,105	16,998	68,171	10,698	30,496	4,355	3,637
Wheat	27,105	21,995	21,806	46,490	4,590	27,427	3,149	3,209
Maize	3,783	2,558	655	30,380	1,593	5,389	*	*
Sorghum	4,190	2,166	409	11,242	1,539	*	*	*
Finger millet	6,837	4,973	1,510	12,161	1,174	1,241	*	*
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	*	-	-	-	-	-	-	-
Pulses	9,233	3,171	*	32,439	2,819	4,766	*	*
Horse / Faba beans	1,730	933	*	19,657	649	*	*	*
Field Peas	1,038	336	*	6,865	292	*	*	*
Haricot beans	*	-	-	-	-	-	-	-
Chick peas	*	*	-	*	*	-	-	-
Lentils	*	*	*	*	*	*	-	*
Vetch / Grass peas	3,232	*	*	*	*	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	*	*	-	*	*	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	1,267	*	*	3,727	*	-	-	-
Neug	*	-	-	-	-	-	-	-
Linseed	1,225	*	*	3,108	*	-	-	-
Groundnuts	*	-	-	-	-	-	-	-
Safflower	*	*	*	*	*	-	-	-
Sesame	-	-	-	-	-	-	-	-
Rapeseed	*	*	-	*	*	-	-	-
Vegetables	183	*	*	6,538	17	*	*	*
Lettuce	*	*	-	*	*	-	-	-
Head cabbage	*	*	*	*	*	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-
Tomatoes	*	*	*	2,822	*	*	*	*
Green peppers	30	18	*	3,750	*	-	-	-
Red peppers	*	*	-	*	*	-	-	-
Swiss chard	*	*	-	*	*	-	-	-
Root crops	296	234	*	8,654	32	*	*	*
Beetroot	*	*	*	-	-	-	-	-
Carrot	*	*	*	*	*	-	-	-
Onion	*	*	*	3,949	11	-	-	-
Potatoes	242	*	*	2,785	*	*	*	*
Garlic	9	9	*	*	*	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-
Other Temporary	*	*	*	2,206	*	-	-	-
Permanent crops	116	*	*	4,096	*	*	*	*
Avocado	-	-	-	-	-	-	-	-
Bananas	*	*	*	*	*	-	-	-
Guava	111	*	*	3,787	*	-	-	-
Lemons	-	-	-	-	-	-	-	-
Mangoes	-	-	-	-	-	-	-	-
Oranges	*	*	*	*	*	-	-	-
Papayas	*	*	*	*	*	-	-	-
Pineapples	-	-	-	-	-	-	-	-
Stimulant	*	*	*	12,970	*	*	*	*
Chat	-	-	-	-	-	-	-	-
Coffee	*	*	*	*	*	-	-	-
Hops / 'Geshe'	*	*	*	12,970	*	-	-	-
Enset	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	-	-	-
Other permanent	5,579	*	*	5,618	*	-	-	-

(Table 1.1.3 cont'd.)

East Tigray

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	20,145	3,985	1,798	82,445	30,674	35,048	181,518	96,558	137,852
Cereals	20,145	3,912	1,745	82,445	30,323	34,295	174,732	79,718	125,256
Teff	6,650	*	*	19,161	3,346	1,555	63,700	10,878	6,364
Barley	4,376	453	258	64,412	10,599	13,102	157,105	32,232	69,905
Wheat	5,380	637	452	75,651	13,619	18,145	123,609	21,784	41,774
Maize	*	*	*	9,468	492	318	62,980	3,723	2,865
Sorghum	*	*	*	*	*	*	35,834	4,177	1,421
Finger millet	*	*	*	11,522	*	865	43,314	6,837	2,912
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	*	*	*
Pulses	*	*	*	*	*	*	80,997	9,233	11,886
Horse / Faba beans	*	*	*	1,275	*	*	47,004	1,730	3,290
Field Peas	-	-	-	*	*	*	17,814	1,038	1,841
Haricot beans	-	-	-	-	-	-	*	*	*
Chick peas	-	-	-	-	-	-	9,282	*	*
Lentils	-	-	-	-	-	-	9,291	*	1,304
Vetch / Grass peas	-	-	-	*	*	*	19,436	3,232	3,381
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	4,212	*	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	*	*	*	*	*	*	18,622	1,267	709
Neug	-	-	-	-	-	-	*	*	*
Linseed	-	-	-	*	*	*	16,270	1,225	697
Groundnuts	-	-	-	-	-	-	*	*	*
Safflower	*	*	*	*	*	*	*	*	*
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	*	*	*
Vegetables	*	*	*	*	*	*	13,297	169	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	*	*	*	*	*	*	1,584	*	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	*	*	*	*	*	*	6,140	*	-
Green peppers	*	*	*	*	*	*	7,500	30	-
Red peppers	-	-	-	-	-	-	*	*	-
Swiss chard	-	-	-	-	-	-	2,166	*	-
Root crops	*	*	*	*	*	*	17,466	251	-
Beetroot	-	-	-	*	*	*	*	*	-
Carrot	*	*	*	-	-	-	*	*	-
Onion	-	-	-	*	*	*	8,627	*	-
Potatoes	*	*	*	*	*	*	7,265	200	-
Garlic	-	-	-	*	*	*	5,361	9	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other Temporary	-	-	-	*	*	*	*	*	-
Permanent crops							6,415	*	
Avocado							-	-	
Bananas							*	*	
Guava							5,796	*	
Lemons							-	-	
Mangoes							-	-	
Oranges							*	*	
Papayas							*	*	
Pineapples							-	-	
Stimulant							23,332	*	
Chat							-	-	
Coffee							*	*	
Hops / 'Geshe'							23,332	*	
Enset							-	-	
Sugar cane							-	-	
Other permanent							88,393	5,546	

(Table 1.1.3 Cont'd.)

East Tigray

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	39,826	5,584	10,178	15,282	2,497	27,457	2,049	117,673	51,029
Cereals	35,730	5,451	10,178	15,282	2,428	12,915	1,575	116,397	46,976
Teff	*	*	*	6,269	*	1,238	*	36,169	6,788
Barley	*	*	*	6,530	768	*	*	89,143	15,972
Wheat	34,180	5,320	9,959	5,583	*	6,130	615	97,508	17,406
Maize	*	*	*	1,238	*	5,548	*	26,588	1,497
Sorghum	*	*	*	-	-	*	*	14,607	988
Finger millet	-	-	-	*	*	*	*	25,701	4,325
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	*	*	*	*	25,402	2,933
Horse / Faba beans	-	-	-	*	*	*	*	15,274	648
Field Peas	-	-	-	*	*	*	*	*	*
Haricot beans	-	-	-	-	-	-	-	-	-
Chick peas	-	-	-	-	-	*	*	*	*
Lentils	-	-	-	-	-	-	-	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	*	*
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	*	*	*	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	*	*	4,487	*
Neug	-	-	-	-	-	-	-	*	*
Linseed	-	-	-	-	-	*	*	4,177	*
Groundnuts	-	-	-	-	-	*	*	*	*
Safflower	-	-	-	-	-	*	*	*	*
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	*	*	-	-	-	7,228	106	2,785	*
Lettuce	-	-	-	-	-	*	*	*	*
Head cabbage	*	*	-	-	-	1,584	*	*	*
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	*	*	-	-	-	4,097	*	*	*
Green peppers	-	-	-	-	-	4,406	*	1,856	*
Red peppers	-	-	-	-	-	*	*	-	-
Swiss chard	-	-	-	-	-	*	*	*	*
Root crops	*	*	-	-	-	6,609	*	7,490	203
Beetroot	-	-	-	-	-	*	*	-	-
Carrot	-	-	-	-	-	*	*	-	-
Onion	*	*	-	-	-	*	*	*	*
Potatoes	*	*	-	-	-	2,587	*	*	*
Garlic	-	-	-	-	-	2,203	6	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other Temporary	-	-	-	-	-	*	*	-	-
Permanent crops	-	-	-	-	-	6,686	97	*	*
Avocado	-	-	-	-	-	-	-	-	-
Bananas	-	-	-	-	-	*	*	*	*
Guava	-	-	-	-	-	6,067	92	*	*
Lemons	-	-	-	-	-	-	-	-	-
Mangoes	-	-	-	-	-	-	-	-	-
Oranges	-	-	-	-	-	*	*	*	*
Papayas	-	-	-	-	-	*	*	*	*
Pineapples	-	-	-	-	-	-	-	-	-
Stimulant	*	*	-	-	-	*	*	*	*
Chat	-	-	-	-	-	-	-	-	-
Coffee	*	*	-	-	-	*	*	*	*
Hops / 'Gesho'	-	-	-	-	-	10,446	*	*	*
Enset	-	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	-	-	-	-
Other permanent	-	-	-	-	-	*	*	6,010	*

Table1.1.4 Number of Holders, Inputs Applied Area and Quantity of Inputs used

South Tigray

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	214,111	112,555	58,147	106,017	32,112	26,613	13,638	7,787
Cereals	198,863	108,375	56,453	94,470	29,484	26,322	13,359	7,602
Teff	51,599	21,242	6,785	16,543	5,280	8,152	3,286	882
Barley	38,519	23,512	16,836	32,672	5,204	11,109	2,163	1,943
Wheat	46,359	31,859	25,270	19,867	4,142	12,688	*	3,604
Maize	8,601	6,325	2,410	46,087	3,606	3,546	*	*
Sorghum	53,138	25,248	5,143	21,243	*	6,190	*	913
Finger millet	521	*	*	*	*	*	*	*
Oats / 'Aja'	*	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
Pulses	10,065	2,651	*	14,218	1,842	*	*	*
Horse / Faba beans	2,857	*	*	8,938	*	*	*	*
Field Peas	1,929	*	*	*	*	-	-	-
Haricot beans	*	*	*	-	-	-	-	-
Chick peas	685	*	*	2,378	*	-	-	-
Lentils	1,787	*	*	*	*	-	-	-
Vetch / Grass peas	2,046	*	*	*	*	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	17	*	-	*	*	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	2,297	*	*	*	*	-	-	-
Neug	*	-	-	-	-	-	-	-
Linseed	1,998	*	*	*	*	-	-	-
Groundnuts	-	-	-	-	-	-	-	-
Safflower	*	*	*	*	*	-	-	-
Sesame	*	-	-	-	-	-	-	-
Rapeseed	*	-	-	-	-	-	-	-
Vegetables	365	172	*	6,986	*	*	*	*
Lettuce	*	*	*	*	*	-	-	-
Head cabbage	*	*	*	*	*	-	-	-
Ethiopian cabbage	*	*	-	*	*	-	-	-
Tomatoes	*	*	-	2,386	*	-	-	-
Green peppers	170	54	*	*	*	*	*	*
Red peppers	*	*	*	*	*	-	-	-
Swiss chard	*	*	*	*	*	-	-	-
Root crops	1,105	*	*	13,793	*	*	*	*
Beetroot	-	-	-	-	-	-	-	-
Carrot	*	*	*	*	*	-	-	-
Onion	433	*	*	*	*	-	-	-
Potatoes	*	*	*	*	*	*	*	*
Garlic	131	*	*	*	*	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	*	-	-	-	-	-	-	-
Other Temporary	136	*	-	9,691	*	-	-	-
Permanent crops	62	*	*	5,374	*	*	*	*
Avocado	*	-	-	-	-	-	-	-
Bananas	*	*	*	*	*	-	-	-
Guava	*	*	*	*	*	-	-	-
Lemons	*	*	*	*	*	-	-	-
Mangoes	*	*	*	*	*	-	-	-
Oranges	*	*	*	*	*	-	-	-
Papayas	18	*	*	1,201	*	-	-	-
Pineapples	-	-	-	-	-	-	-	-
Stimulant	785	265	*	13,066	202	*	*	*
Chat	*	*	*	*	*	-	-	-
Coffee	*	*	*	*	*	-	-	-
Hops / 'Geshe'	307	165	*	12,775	158	-	-	-
Enset	-	-	-	-	-	-	-	-
Sugar cane	*	-	-	-	-	-	-	-
Other permanent	416	71	*	5,389	71	-	-	-

(Table 1.1.4 cont'd.)

South Tigray									
Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	26,968	14,241	7,365	89,316	52,563	42,994	218,179	205,457	184,471
Cereals	25,456	13,741	6,931	88,733	51,791	41,919	215,428	190,570	170,461
Teff	8,369	2,591	948	34,072	10,085	4,955	124,210	50,022	17,737
Barley	8,447	*	*	50,127	13,499	13,230	136,655	38,519	67,330
Wheat	9,712	3,508	2,405	64,883	19,549	19,261	119,016	39,688	67,817
Maize	8,657	805	511	16,093	1,483	1,647	96,287	8,556	4,563
Sorghum	9,136	4,192	1,404	15,253	7,175	2,826	104,806	53,138	12,415
Finger millet	-	-	-	-	-	-	4,023	521	378
Oats / 'Aja'	-	-	-	-	-	-	*	*	*
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	*	3,322	*	*	59,854	10,016	12,951
Horse / Faba beans	*	*	*	*	*	*	22,811	2,833	4,730
Field Peas	*	*	*	*	*	*	16,010	1,905	3,038
Haricot beans	-	-	-	*	*	*	*	*	*
Chick peas	-	-	-	*	*	*	6,622	685	721
Lentils	-	-	-	*	*	*	16,979	1,787	1,876
Vetch / Grass peas	-	-	-	*	*	*	13,064	2,046	2,384
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	2,709	17	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	*	*	*	*	*	*	26,085	2,297	1,059
Neug	-	-	-	-	-	-	*	*	*
Linseed	*	*	*	*	*	*	20,689	1,998	1,006
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	*	*	*	*	*	*
Sesame	-	-	-	-	-	-	*	*	*
Rapeseed	-	-	-	-	-	-	*	*	*
Vegetables	-	-	-	1,615	*	*	18,266	290	-
Lettuce	-	-	-	*	*	*	*	*	-
Head cabbage	-	-	-	*	*	*	*	*	-
Ethiopian cabbage	-	-	-	-	-	-	*	*	-
Tomatoes	-	-	-	-	-	-	2,606	*	-
Green peppers	-	-	-	*	*	*	9,837	170	-
Red peppers	-	-	-	*	*	*	4,363	*	-
Swiss chard	-	-	-	*	*	*	*	*	-
Root crops	*	*	*	*	*	*	25,281	*	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	*	*	*	*	*	*	*	*	-
Onion	*	*	*	*	*	*	6,101	*	-
Potatoes	*	*	*	*	*	*	9,921	*	-
Garlic	*	*	*	*	*	*	10,847	131	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	*	*	-
Other Temporary	-	-	-	-	-	-	20,202	136	-
Permanent crops							10,314	52	
Avocado							*	*	
Bananas							*	*	
Guava							3,530	*	
Lemons							*	*	
Mangoes							*	*	
Oranges							*	*	
Papayas							*	*	
Pineapples							-	-	
Stimulant							25,930	768	
Chat							*	*	
Coffee							*	*	
Hops / 'Gesho'							23,759	296	
Enset							-	-	
Sugar cane							*	*	
Other permanent							18,682	416	

(Table 1.1.4 Cont'd.)

South Tigray

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	31,583	8,654	13,323	*	*	47,420	*	139,791	93,590
Cereals	25,491	8,293	13,139	*	*	31,479	*	136,473	89,249
Teff	*	*	*	*	*	8,997	*	63,274	21,571
Barley	-	-	-	*	*	8,952	1,755	73,660	21,538
Wheat	21,764	6,671	12,587	*	*	8,486	1,704	86,907	28,477
Maize	*	*	*	*	*	12,873	*	30,326	2,900
Sorghum	-	-	-	*	*	*	*	33,933	14,531
Finger millet	-	-	-	-	-	-	-	*	*
Oats / 'Aja'	-	-	-	-	-	-	-	*	*
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	*	*	*	*	*	20,867	3,027
Horse / Faba beans	*	*	*	-	-	*	*	*	*
Field Peas	*	*	*	-	-	*	*	*	*
Haricot beans	-	-	-	*	*	-	-	*	*
Chick peas	-	-	-	-	-	*	*	*	*
Lentils	-	-	-	-	-	*	*	5,122	*
Vetch / Grass peas	-	-	-	-	-	*	*	*	*
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	*	*	*	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	*	*	7,181	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	*	*	4,264	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	*	*
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	*	*	-	-
Vegetables	*	*	-	-	-	8,845	288	5,209	*
Lettuce	-	-	-	-	-	*	*	*	*
Head cabbage	-	-	-	-	-	*	*	*	*
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	*	*	-	-	-	*	*	*	*
Green peppers	-	-	-	-	-	3,906	*	*	*
Red peppers	-	-	-	-	-	*	*	*	*
Swiss chard	-	-	-	-	-	*	*	*	*
Root crops	*	*	-	-	-	10,306	519	8,884	*
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	*	*	*	*
Onion	*	*	-	-	-	5,273	400	*	*
Potatoes	*	*	-	-	-	1,218	*	*	*
Garlic	-	-	-	-	-	2,625	*	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other Temporary	-	-	-	-	-	*	*	*	*
Permanent crops	-	-	-	-	-	9,512	51	3,001	*
Avocado	-	-	-	-	-	*	*	*	*
Bananas	-	-	-	-	-	*	*	*	*
Guava	-	-	-	-	-	3,878	*	*	*
Lemons	-	-	-	-	-	*	*	*	*
Mangoes	-	-	-	-	-	*	*	-	-
Oranges	-	-	-	-	-	*	*	*	*
Papayas	-	-	-	-	-	*	*	*	*
Pineapples	-	-	-	-	-	-	-	-	-
Stimulant	*	*	-	-	-	6,849	*	*	*
Chat	-	-	-	-	-	*	*	-	-
Coffee	*	*	-	-	-	5,285	*	*	*
Hops / 'Gescho'	-	-	-	-	-	12,645	178	4,530	24
Enset	-	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	*	*	-	-
Other permanent	-	-	-	-	-	2,385	*	2,708	*

Table1.1.5 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Western Tigray

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	118,087	34,861	6,835	59,404	22,796	5,085	*	*
Cereals	59,933	26,910	6,313	55,018	15,806	*	*	*
Teff	4,603	4,215	2,039	6,100	1,247	*	*	*
Barley	1,205	*	*	4,694	*	-	-	-
Wheat	740	*	*	*	*	-	-	-
Maize	4,843	2,998	*	43,696	2,657	798	*	38
Sorghum	39,028	13,362	2,486	20,886	8,054	2,147	*	501
Finger millet	8,676	4,055	637	10,977	2,626	*	*	*
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	*	*	*	-	-	-	-	-
Pulses	2,042	1,114	*	9,153	698	*	*	*
Horse / Faba beans	891	665	-	8,614	665	-	-	-
Field Peas	*	*	-	*	*	-	-	-
Haricot beans	*	-	-	-	-	-	-	-
Chick peas	*	*	*	-	-	*	*	*
Lentils	*	*	*	*	*	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	*	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	54,597	6,256	*	14,479	5,724	*	*	*
Neug	1,605	*	-	3,204	*	-	-	-
Linseed	316	*	-	*	*	-	-	-
Groundnuts	*	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	52,672	5,876	*	10,171	5,345	*	*	*
Rapeseed	*	*	-	*	*	-	-	-
Vegetables	*	245	*	14,428	231	*	*	*
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	*	*	-	4,584	*	-	-	-
Red peppers	*	193	*	9,849	179	*	*	*
Swiss chard	-	-	-	-	-	-	-	-
Root crops	*	*	-	*	*	-	-	-
Beetroot	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-
Garlic	*	*	-	*	*	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-
Other Temporary	*	*	-	*	*	-	-	-
Permanent crops	*	*	-	*	*	-	-	-
Avocado	*	-	-	-	-	-	-	-
Bananas	*	*	-	*	*	-	-	-
Guava	*	-	-	-	-	-	-	-
Lemons	*	*	-	*	*	-	-	-
Mangoes	-	-	-	-	-	-	-	-
Oranges	*	*	-	*	*	-	-	-
Papayas	*	*	-	*	*	-	-	-
Pineapples	-	-	-	-	-	-	-	-
Stimulant	*	*	-	*	*	-	-	-
Chat	-	-	-	-	-	-	-	-
Coffee	*	*	-	*	*	-	-	-
Hops / 'Geshe'	*	*	-	*	*	-	-	-
Enset	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	-	-	-
Other permanent	*	-	-	-	-	-	-	-

(Table 1.1.5 cont'd.)

Western Tigray

[illegible]

Table1.2 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Afar Region

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	10,072	*	*	*	*	*	*	*
Cereals	7,673	*	*	*	*	*	*	*
Teff	*	*	*	*	*	*	*	*
Barley	*	*	-	*	*	-	-	-
Wheat	*	-	-	-	-	-	-	-
Maize	*	*	-	*	*	-	-	-
Sorghum	2,701	*	*	*	*	-	-	-
Finger millet	-	-	-	-	-	-	-	-
Oats / 'Aja'	*	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
Pulses	*	*	-	*	*	-	-	-
Horse / Faba beans	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-
Haricot beans	*	*	-	*	*	-	-	-
Chick peas	*	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	*	*	*	*	*	*	*	*
Neug	-	-	-	-	-	-	-	-
Linseed	*	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-
Safflower	*	*	*	*	*	-	-	-
Sesame	*	*	*	*	*	*	*	*
Rapeseed	*	*	-	*	*	-	-	-
Vegetables	44	*	-	*	*	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	*	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-
Tomatoes	*	-	-	-	-	-	-	-
Green peppers	*	*	-	*	*	-	-	-
Red peppers	*	*	-	*	*	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
Root crops	*	*	*	-	-	-	-	-
Beetroot	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	*	*	*	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	*	-	-	-	-	-	-	-
Other Temporary	*	*	-	*	*	-	-	-
Permanent crops	*	*	-	*	*	-	-	-
Avocado	*	-	-	-	-	-	-	-
Bananas	*	-	-	-	-	-	-	-
Guava	*	-	-	-	-	-	-	-
Lemons	*	-	-	-	-	-	-	-
Mangoes	*	-	-	-	-	-	-	-
Oranges	*	-	-	-	-	-	-	-
Papayas	*	*	-	*	*	-	-	-
Pineapples	-	-	-	-	-	-	-	-
Stimulant	*	*	-	*	*	-	-	-
Chat	*	-	-	-	-	-	-	-
Coffee	*	*	-	*	*	-	-	-
Hops / 'Geshe'	*	*	-	*	*	-	-	-
Enset	-	-	-	-	-	-	-	-
Sugar cane	*	-	-	-	-	-	-	-
Other permanent	374	-	-	-	-	-	-	-

(Table 1.2 cont'd.)

Afar Region

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	*	*	*	*	*	*	28,030	10,048	1,898
Cereals	*	*	*	*	*	*	9,715	7,673	1,741
Teff	*	*	*	*	*	*	*	*	*
Barley	-	-	-	-	-	-	*	*	*
Wheat	-	-	-	-	-	-	*	*	*
Maize	-	-	-	-	-	-	7,152	*	797
Sorghum	*	*	*	-	-	-	4,949	2,701	342
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	*	*	*
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	-	-	-	*	*	*
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	-	*	*	*
Chick peas	-	-	-	-	-	-	*	*	*
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	*	*	*	*	*	*	*	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	*	*	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	*	*	*	*	*	*	*	*	*
Sesame	*	*	*	-	-	-	*	*	*
Rapeseed	-	-	-	-	-	-	*	*	*
Vegetables	-	-	-	-	-	-	2,312	41	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	*	*	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	*	*	-
Red peppers	-	-	-	-	-	-	*	*	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	*	-	-	-	*	*	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	*	*	*	-	-	-	*	*	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	*	*	-
Other Temporary	-	-	-	-	-	-	*	*	-
Permanent crops							3,061	*	
Avocado							*	*	
Bananas							*	*	
Guava							*	*	
Lemons							*	*	
Mangoes							*	*	
Oranges							*	*	
Papayas							1,630	*	
Pineapples							-	-	
Stimulant							*	*	
Chat							*	*	
Coffee							*	*	
Hops / 'Geshe'							*	*	
Enset							-	-	
Sugar cane							*	*	
Other permanent							18,924	374	

(Table 1.2 Cont'd.)

Afar Region

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	*	*	-	*	*	23,822	2,819	*	*
Cereals	-	-	-	*	*	*	*	*	*
Teff	-	-	-	*	*	-	-	-	-
Barley	-	-	-	-	-	-	-	-	-
Wheat	-	-	-	*	*	-	-	-	-
Maize	-	-	-	*	*	*	*	*	*
Sorghum	-	-	-	*	*	*	*	*	*
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	*	*	*	*	-	-
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	*	*	-	-	-	-
Chick peas	-	-	-	-	-	*	*	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	*	*	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	*	*	-	-	-	-
Sesame	-	-	-	*	*	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	*	*	-	*	*	*	*	-	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	*	*	-	-	-	*	*	-	-
Green peppers	-	-	-	-	-	-	-	-	-
Red peppers	-	-	-	*	*	*	*	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	-	*	*	*	*	-	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	*	*	-	*	*	*	*	-	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other Temporary	-	-	-	-	-	-	-	-	-
Permanent crops	-	-	-	-	-	2,847	*	*	*
Avocado	-	-	-	-	-	*	*	-	-
Bananas	-	-	-	-	-	*	*	-	-
Guava	-	-	-	-	-	*	*	-	-
Lemons	-	-	-	-	-	*	*	-	-
Mangoes	-	-	-	-	-	*	*	*	*
Oranges	-	-	-	-	-	*	*	-	-
Papayas	-	-	-	-	-	1,286	*	-	-
Pineapples	-	-	-	-	-	-	-	-	-
Stimulant	-	-	-	-	-	*	*	-	-
Chat	-	-	-	-	-	*	*	-	-
Coffee	-	-	-	-	-	*	*	-	-
Hops / 'Gesho'	-	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	*	*	-	-
Other permanent	-	-	-	*	*	18,577	366	-	-

Table1.2.1 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Zone 1

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	*	-	-	-	-	-	-	-
Cereals	*	-	-	-	-	-	-	-
Teff	-	-	-	-	-	-	-	-
Barley	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-
Maize	*	-	-	-	-	-	-	-
Sorghum	*	-	-	-	-	-	-	-
Finger millet	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
Pulses	-	-	-	-	-	-	-	-
Horse / Faba beans	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	-	-	-
Chick peas	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-
Vegetables	*	-	-	-	-	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-
Tomatoes	*	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	-	-	-
Red peppers	*	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
Root crops	*	-	-	-	-	-	-	-
Beetroot	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	*	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-
Other Temporary	-	-	-	-	-	-	-	-
Permanent crops	22	-	-	-	-	-	-	-
Avocado	-	-	-	-	-	-	-	-
Bananas	*	-	-	-	-	-	-	-
Guava	*	-	-	-	-	-	-	-
Lemons	*	-	-	-	-	-	-	-
Mangoes	*	-	-	-	-	-	-	-
Oranges	-	-	-	-	-	-	-	-
Papayas	*	-	-	-	-	-	-	-
Pineapples	-	-	-	-	-	-	-	-
Stimulant	-	-	-	-	-	-	-	-
Chat	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-
Hops / 'Geshe'	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	-	-	-
Other permanent	374	-	-	-	-	-	-	-

(Table 1.2.1cont'd.)

Zone 1

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	-	-	-	-	-	-	19,391	*	*
Cereals	-	-	-	-	-	-	*	*	*
Teff	-	-	-	-	-	-	-	-	-
Barley	-	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-	-
Maize	-	-	-	-	-	-	*	*	*
Sorghum	-	-	-	-	-	-	*	*	*
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	-	-	-	-	-	-
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	-	-	-	-
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	-	-	-	-	-	-	*	*	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	-	-	-
Red peppers	-	-	-	-	-	-	*	*	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	-	-	-	-	-	-	*	*	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	*	*	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other Temporary	-	-	-	-	-	-	-	-	-
Permanent crops							1,365	21	
Avocado							-	-	
Bananas							*	*	
Guava							*	*	
Lemons							*	*	
Mangoes							*	*	
Oranges							-	-	
Papayas							*	*	
Pineapples							-	-	
Stimulant							-	-	
Chat							-	-	
Coffee							-	-	
Hops / 'Gesho'							-	-	
Enset							-	-	
Sugar cane							-	-	
Other permanent							18,815	374	

Table 1.2.1 Cont'd.)

Zone 1

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	*	*	-	*	*	19,173	*	*	*
Cereals	-	-	-	-	-	*	*	*	*
Teff	-	-	-	-	-	-	-	-	-
Barley	-	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-	-
Maize	-	-	-	-	-	*	*	-	-
Sorghum	-	-	-	-	-	*	*	*	*
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	-	-	-	-	-	-
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	-	-	-	-
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	*	*	-	-	-	*	*	-	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	*	*	-	-	-	*	*	-	-
Green peppers	-	-	-	-	-	-	-	-	-
Red peppers	-	-	-	-	-	*	*	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	-	-	-	-	-	*	*	-	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	*	*	-	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other Temporary	-	-	-	-	-	-	-	-	-
Permanent crops	-	-	-	-	-	1,753	22	*	*
Avocado	-	-	-	-	-	-	-	-	-
Bananas	-	-	-	-	-	*	*	-	-
Guava	-	-	-	-	-	*	*	-	-
Lemons	-	-	-	-	-	*	*	-	-
Mangoes	-	-	-	-	-	*	*	*	*
Oranges	-	-	-	-	-	-	-	-	-
Papayas	-	-	-	-	-	1,177	*	-	-
Pineapples	-	-	-	-	-	-	-	-	-
Stimulant	-	-	-	-	-	-	-	-	-
Chat	-	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-	-
Hops / 'Gesho'	-	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	-	-	-	-
Other permanent	-	-	-	*	*	18,467	366	-	-

Table1.2.2 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Zone 3

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	9,038	*	*	*	*	*	*	*
Cereals	7,055	*	*	*	*	*	*	*
Teff	*	*	*	*	*	*	*	*
Barley	*	*	-	*	*	-	-	-
Wheat	*	-	-	-	-	-	-	-
Maize	*	*	-	*	*	-	-	-
Sorghum	*	*	*	*	*	-	-	-
Finger millet	-	-	-	-	-	-	-	-
Oats / 'Aja'	*	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
Pulses	*	*	-	*	*	-	-	-
Horse / Faba beans	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-
Haricot beans	*	*	-	*	*	-	-	-
Chick peas	*	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	*	*	*	*	*	*	*	*
Neug	-	-	-	-	-	-	-	-
Linseed	*	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-
Safflower	*	*	*	*	*	-	-	-
Sesame	*	*	*	*	*	*	*	*
Rapeseed	*	*	-	*	*	-	-	-
Vegetables	*	*	-	*	*	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	*	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-
Tomatoes	-	-	-	-	-	-	-	-
Green peppers	*	*	-	*	*	-	-	-
Red peppers	*	*	-	*	*	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
Root crops	*	*	*	-	-	-	-	-
Beetroot	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	*	*	*	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	*	-	-	-	-	-	-	-
Other Temporary	*	*	-	*	*	-	-	-
Permanent crops	*	*	-	*	*	-	-	-
Avocado	*	-	-	-	-	-	-	-
Bananas	*	-	-	-	-	-	-	-
Guava	-	-	-	-	-	-	-	-
Lemons	-	-	-	-	-	-	-	-
Mangoes	*	-	-	-	-	-	-	-
Oranges	*	-	-	-	-	-	-	-
Papayas	*	*	-	*	*	-	-	-
Pineapples	-	-	-	-	-	-	-	-
Stimulant	*	*	-	*	*	-	-	-
Chat	*	-	-	-	-	-	-	-
Coffee	*	*	-	*	*	-	-	-
Hops / 'Geshe'	*	*	-	*	*	-	-	-
Enset	-	-	-	-	-	-	-	-
Sugar cane	*	-	-	-	-	-	-	-
Other permanent	*	-	-	-	-	-	-	-

(Table 1.2.2 cont'd.)

Zone 3

[illegible]

(Table 1.2.2 Cont'd.)

Zone 3

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	*	*	-	*	*	*	*	*	*
Cereals	-	-	-	*	*	*	*	*	*
Teff	-	-	-	*	*	-	-	-	-
Barley	-	-	-	-	-	-	-	-	-
Wheat	-	-	-	*	*	-	-	-	-
Maize	-	-	-	*	*	*	*	*	*
Sorghum	-	-	-	*	*	-	-	-	-
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	*	*	*	*	-	-
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	*	*	-	-	-	-
Chick peas	-	-	-	-	-	*	*	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	*	*	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	*	*	-	-	-	-
Sesame	-	-	-	*	*	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	-	-	-	*	*	-	-	-	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	-	-	-	-
Red peppers	-	-	-	*	*	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	-	*	*	*	*	-	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	*	*	-	*	*	*	*	-	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other Temporary	-	-	-	-	-	-	-	-	-
Permanent crops	-	-	-	-	-	*	*	-	-
Avocado	-	-	-	-	-	*	*	-	-
Bananas	-	-	-	-	-	*	*	-	-
Guava	-	-	-	-	-	-	-	-	-
Lemons	-	-	-	-	-	-	-	-	-
Mangoes	-	-	-	-	-	*	*	-	-
Oranges	-	-	-	-	-	*	*	-	-
Papayas	-	-	-	-	-	*	*	-	-
Pineapples	-	-	-	-	-	-	-	-	-
Stimulant	-	-	-	-	-	*	*	-	-
Chat	-	-	-	-	-	*	*	-	-
Coffee	-	-	-	-	-	*	*	-	-
Hops / 'Geshe'	-	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	*	*	-	-
Other permanent	-	-	-	-	-	*	*	-	-

Table1.3 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Amhara Region

Crop type	All	All Fertilizers		Natural		DAP		
	Crop Area	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	4,273,365	1,977,877	1,943,921	2,471,129	512,154	705,728	396,553	323,474
Cereals	3,271,030	1,788,190	1,752,607	1,931,061	391,441	669,470	370,771	290,268
Teff	1,014,268	667,476	598,373	282,643	47,897	392,292	166,047	114,055
Barley	328,269	121,337	49,911	475,923	70,922	82,659	27,853	23,640
Wheat	498,749	339,847	440,776	374,203	52,276	142,412	35,096	41,201
Maize	472,260	405,007	556,814	1,254,489	113,979	186,414	38,329	38,540
Sorghum	710,732	107,598	12,473	338,438	92,074	7,386	2,078	1,218
Finger millet	216,960	140,425	92,637	69,016	10,082	251,480	101,199	71,507
Oats / 'Aja'	5,769	1,840	116	23,867	1,660	*	*	*
Rice	*	*	*	*	*	*	*	*
Pulses	553,381	95,151	41,608	567,602	68,496	113,887	16,801	14,803
Horse / Faba beans	175,948	54,678	26,964	389,878	40,559	86,992	10,268	9,750
Field Peas	77,205	17,665	7,561	110,394	10,616	38,046	5,594	4,239
Haricot beans	38,052	3,995	1,461	69,996	3,512	*	*	*
Chick peas	108,811	5,541	1,037	41,089	4,142	*	*	*
Lentils	45,392	5,903	*	47,053	4,470	3,774	*	*
Vetch / Grass peas	82,531	3,762	*	27,813	3,618	-	-	-
Soya beans	*	*	1,046	*	*	-	-	-
Fenugreek	8,836	1,438	1,250	36,553	600	*	*	*
Gibto	13,992	487	780	*	*	3,124	*	217
Oilseeds	325,197	21,247	62,539	212,500	9,602	45,906	3,684	9,158
Neug	76,320	2,978	1,529	21,699	1,638	6,635	1,171	639
Linseed	25,335	2,887	*	47,291	2,669	*	*	*
Groundnuts	*	296	*	5,773	294	*	*	*
Safflower	4,141	1,921	3,596	15,768	478	*	*	*
Sesame	207,103	5,177	*	22,178	2,207	3,266	593	*
Rapeseed	9,560	7,989	51,417	108,113	2,317	31,767	1,397	6,345
Vegetables	32,502	25,597	45,701	650,653	7,285	27,599	1,404	2,678
Lettuce	11	4	-	3,653	4	-	-	-
Head cabbage	292	210	*	38,873	158	*	*	*
Ethiopian cabbage	687	417	*	111,133	325	*	*	*
Tomatoes	256	108	*	12,212	*	*	*	*
Green peppers	1,343	755	151	88,112	538	*	*	*
Red peppers	29,882	24,089	44,881	436,024	6,169	22,837	1,281	2,312
Swiss chard	30	12	*	10,475	12	-	-	-
Root crops	34,889	21,041	22,881	731,996	11,966	67,681	3,695	5,097
Beetroot	127	89	*	28,791	63	*	*	*
Carrot	267	36	*	9,001	32	*	*	*
Onion	7,111	4,995	*	106,326	1,681	7,370	*	*
Potatoes	20,547	12,482	8,511	235,546	7,388	51,082	2,973	3,805
Garlic	5,203	3,285	3,531	486,119	2,658	9,535	58	*
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	*	153	*	18,025	144	-	-	-
Other Temporary	14,219	5,444	10,545	315,842	3,561	9,608	117	*
Permanent crops	3,271	1,418		144,815	1,407			
Avocado	68	60		11,615	60			
Bananas	915	350		49,374	350			
Guava	319	110		29,639	110			
Lemons	232	105		24,871	105			
Mangoes	281	91		19,085	91			
Oranges	1,199	628		52,161	617			
Papayas	257	74		29,718	74			
Pineapples	*	*		*	*			
Stimulant	34,341	18,167		572,483	17,111			
Chat	8,081	5,693		119,161	5,376			
Coffee	12,006	6,220		166,514	6,086			
Hops / 'Geshe'	14,254	6,254		438,444	5,648			
Enset	*	*		*	*			
Sugar cane	3,200	*		35,855	*			
Other permanent	1,330	526		75,982	195			

(Table 1.3 cont'd.)

Amhara Region

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	386,478	108,387	73,209	1,580,415	960,783	1,547,239	3,888,506	4,009,693	3,074,856
Cereals	323,697	101,104	63,741	1,555,235	924,874	1,398,597	3,763,254	3,012,621	2,345,261
Teff	197,273	66,546	37,966	821,598	386,986	446,352	2,326,090	1,002,537	513,904
Barley	18,629	2,644	1,828	109,580	19,918	24,443	1,389,304	327,589	539,911
Wheat	60,520	9,737	7,761	663,289	242,738	391,813	1,563,061	467,173	847,347
Maize	81,113	11,504	11,325	770,274	241,196	506,949	2,165,524	258,068	97,374
Sorghum	20,440	5,525	2,760	33,250	7,922	8,495	1,488,969	710,730	173,964
Finger millet	23,887	4,815	1,935	92,800	24,328	19,195	716,694	216,731	117,104
Oats / 'Aja'	-	-	-	5,118	*	105	73,960	5,769	7,198
Rice	*	*	*	*	*	*	56,635	*	*
Pulses	20,645	1,695	1,289	99,702	8,159	25,516	2,205,118	551,764	668,729
Horse / Faba beans	8,733	648	522	57,691	3,203	16,692	1,267,711	175,798	278,233
Field Peas	*	*	*	10,659	1,082	3,132	582,473	77,030	101,900
Haricot beans	*	*	*	5,369	214	1,147	286,650	38,052	31,689
Chick peas	*	*	*	4,631	891	619	526,929	108,274	106,857
Lentils	*	*	*	8,185	*	*	350,689	44,637	42,463
Vetch / Grass peas	-	-	-	2,748	*	*	429,836	82,531	90,273
Soya beans	-	-	-	3,366	789	1,046	*	*	*
Fenugreek	*	*	*	11,312	803	1,241	153,485	8,836	6,508
Gibto	*	*	*	*	*	*	75,799	13,992	8,245
Oilseeds	23,615	2,578	2,724	97,753	5,383	50,658	1,134,857	325,146	60,865
Neug	*	*	*	3,803	*	*	332,645	76,271	13,994
Linseed	*	*	*	2,947	*	*	353,089	25,335	10,906
Groundnuts	-	-	-	-	-	-	22,318	*	*
Safflower	5,064	542	807	5,788	417	1,310	60,419	4,141	*
Sesame	6,686	*	*	9,475	678	*	323,764	207,103	23,051
Rapeseed	10,255	212	638	77,133	4,062	44,434	233,719	9,558	8,317
Vegetables	73,516	1,646	1,881	147,659	15,262	41,143	1,242,245	30,322	-
Lettuce	-	-	-	-	-	-	5,960	11	-
Head cabbage	*	*	*	*	*	*	67,929	274	-
Ethiopian cabbage	*	*	*	*	*	*	178,729	687	-
Tomatoes	*	*	*	*	*	*	26,216	251	-
Green peppers	5,012	*	61	4,666	*	64	171,369	1,343	-
Red peppers	63,029	1,472	1,739	139,668	15,168	40,830	873,915	27,728	-
Swiss chard	-	-	-	*	*	*	20,489	29	-
Root crops	49,139	*	*	101,786	4,268	15,307	1,325,879	34,752	-
Beetroot	-	-	-	*	*	*	42,588	116	-
Carrot	*	*	*	*	*	*	22,069	*	-
Onion	15,829	*	*	30,425	1,869	*	238,481	7,057	-
Potatoes	6,402	*	*	35,828	1,939	4,451	471,404	20,508	-
Garlic	28,043	138	470	42,408	431	2,748	850,856	5,194	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	*	*	*	*	30,614	*	-
Other Temporary	11,131	*	*	31,317	1,611	9,213	560,968	14,161	-
Permanent crops							270,433	3,184	
Avocado							11,674	61	
Bananas							98,446	892	
Guava							45,481	308	
Lemons							50,183	229	
Mangoes							32,756	265	
Oranges							93,395	1,195	
Papayas							62,093	235	
Pineapples							*	*	
Stimulant							1,089,760	33,253	
Chat							175,565	8,079	
Coffee							263,605	11,028	
Hops / 'Geshe'							906,709	14,147	
Enset							*	*	
Sugar cane							79,228	3,199	
Other permanent							130,891	1,285	

(Table 1.3 Cont'd.)

Amhara Region

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	794,602	263,671	114,046	582,156	258,983	411,465	46,094	1,497,921	1,001,995
Cereals	764,785	258,409	112,274	506,688	241,194	110,435	19,483	1,460,924	925,934
Teff	26,811	11,730	5,636	248,135	102,723	27,766	4,783	716,445	328,054
Barley	4,389	680	974	36,231	5,787	21,156	2,669	170,665	41,284
Wheat	119,367	31,576	54,257	201,045	59,019	9,251	1,375	508,926	147,461
Maize	665,781	214,192	51,382	56,534	6,726	48,807	2,526	886,551	278,173
Sorghum	*	*	*	95,180	41,879	27,196	*	80,328	30,573
Finger millet	*	*	*	75,308	24,978	7,069	705	253,169	97,837
Oats / 'Aja'	-	-	-	*	*	*	*	*	*
Rice	-	-	-	*	*	-	-	*	*
Pulses	6,390	1,617	1,686	62,581	13,371	31,582	*	235,782	36,556
Horse / Faba beans	*	*	*	10,179	1,009	5,200	536	159,279	20,306
Field Peas	*	*	*	4,910	492	*	*	50,266	6,447
Haricot beans	-	-	-	9,597	*	*	*	20,416	*
Chick peas	3,415	537	*	13,308	3,216	8,222	*	15,554	3,156
Lentils	*	*	*	14,383	*	*	*	9,569	1,034
Vetch / Grass peas	-	-	-	*	*	*	*	9,893	*
Soya beans	-	-	-	-	-	-	-	*	*
Fenugreek	-	-	-	*	*	*	*	5,764	*
Gibto	-	-	-	*	*	-	-	8,317	*
Oilseeds	2,102	*	*	9,318	1,213	*	*	158,723	15,092
Neug	*	*	-	2,422	*	-	-	25,658	6,004
Linseed	-	-	-	*	*	*	*	5,860	425
Groundnuts	-	-	-	-	-	-	-	*	*
Safflower	-	-	-	*	*	*	*	8,514	823
Sesame	*	-	*	3,236	264	*	*	22,401	3,000
Rapeseed	*	*	-	*	*	*	*	102,593	4,823
Vegetables	*	*	-	17,547	295	96,266	1,143	183,690	13,459
Lettuce	-	-	-	-	-	*	*	*	*
Head cabbage	*	*	-	*	*	10,866	62	8,828	29
Ethiopian cabbage	*	*	-	*	*	14,143	49	8,234	35
Tomatoes	*	*	-	*	*	6,400	40	*	*
Green peppers	-	-	-	*	*	19,315	150	8,265	29
Red peppers	*	*	-	*	206	54,385	837	165,106	13,363
Swiss chard	*	*	-	-	-	3,542	*	*	*
Root crops	22,105	136	-	21,239	*	136,773	5,204	162,134	5,813
Beetroot	*	*	-	-	-	4,324	10	6,748	11
Carrot	5,631	18	-	-	-	6,607	*	*	*
Onion	*	*	-	9,745	*	67,100	*	26,836	*
Potatoes	*	39	-	*	*	34,193	1,546	72,815	3,250
Garlic	*	*	-	*	*	53,628	611	75,031	*
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	-	*	*	3,890	*	*	*
Other Temporary	*	*	-	*	*	29,251	*	56,505	1,629
Permanent crops	*	*	-	3,584	*	110,856	1,288	29,034	*
Avocado	*	*	-	*	*	7,736	41	3,498	*
Bananas	*	*	-	*	*	59,640	543	9,915	*
Guava	*	*	-	*	*	17,552	*	6,580	*
Lemons	*	*	-	*	*	15,560	*	4,204	*
Mangoes	*	*	-	*	*	9,597	35	4,655	*
Oranges	*	*	-	*	*	29,423	*	8,702	*
Papayas	*	*	-	*	*	20,069	77	7,738	20
Pineapples	*	*	-	-	-	-	-	-	-
Stimulant	20,664	*	-	24,030	1,144	116,822	4,583	41,634	*
Chat	*	*	-	23,564	1,038	47,681	1,662	16,580	*
Coffee	20,364	*	-	*	*	89,735	2,921	32,210	*
Hops / 'Gesho'	*	*	-	7,012	*	108,468	1,913	71,609	955
Enset	*	*	-	-	-	*	*	*	*
Sugar cane	*	*	-	-	-	41,132	*	6,819	*
Other permanent	*	*	-	2,559	*	16,591	75	13,885	362

Table1.3.1 Number of Holders, Inputs Applied Area and Quantity of Inputs used

North Gondar

Crop type	All	All Fertilizers		Natural		DAP		
	Crop Area	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	807,339	180,514	92,463	305,083	63,248	35,258	11,693	*
Cereals	530,323	166,274	85,660	255,778	53,268	33,436	11,018	*
Teff	114,166	60,350	28,552	17,648	2,515	12,112	3,589	*
Barley	44,673	13,291	1,882	53,026	9,525	*	*	*
Wheat	58,006	22,317	8,990	60,449	12,398	*	*	*
Maize	59,778	43,380	34,759	163,432	18,572	*	1,844	1,145
Sorghum	201,936	*	*	26,212	*	*	*	*
Finger millet	50,519	15,717	8,083	9,699	2,469	*	*	*
Oats / 'Aja'	*	*	-	*	*	-	-	-
Rice	*	*	-	*	*	-	-	-
Pulses	83,949	5,458	*	35,698	4,800	*	*	*
Horse / Faba beans	21,818	3,448	*	26,447	2,789	*	*	*
Field Peas	10,713	*	-	12,343	*	-	-	-
Haricot beans	*	*	-	*	*	-	-	-
Chick peas	36,807	*	-	*	*	-	-	-
Lentils	4,430	*	-	*	*	-	-	-
Vetch / Grass peas	5,192	*	-	*	*	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	*	*	-	*	*	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	172,766	950	*	16,482	883	-	-	-
Neug	14,925	*	-	*	*	-	-	-
Linseed	4,451	*	-	*	*	-	-	-
Groundnuts	*	*	-	*	*	-	-	-
Safflower	217	*	*	-	-	-	-	-
Sesame	*	-	-	-	-	-	-	-
Rapeseed	204	174	*	*	*	-	-	-
Vegetables	5,641	3,237	*	87,468	1,225	*	*	*
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	*	*	-	-	-
Ethiopian cabbage	*	*	-	16,695	*	-	-	-
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	*	*	*	*	*	*	*	*
Red peppers	5,411	3,079	*	62,012	1,126	*	*	*
Swiss chard	*	*	-	*	*	-	-	-
Root crops	4,214	2,072	2,380	71,250	1,051	*	*	*
Beetroot	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	*	*	*	*	*	*	*	*
Potatoes	2,621	1,265	*	41,854	853	*	*	*
Garlic	620	478	*	44,170	187	*	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-
Other Temporary	*	*	*	31,825	*	*	*	*
Permanent crops	*	*	*	*	*	*	*	*
Avocado	-	-	-	-	-	-	-	-
Bananas	*	-	-	-	-	-	-	-
Guava	*	-	-	-	-	-	-	-
Lemons	*	*	*	*	*	*	*	*
Mangoes	*	*	*	*	*	*	*	*
Oranges	-	-	-	-	-	-	-	-
Papayas	*	*	*	*	*	*	*	*
Pineapples	-	-	-	-	-	-	-	-
Stimulant	*	*	*	14,637	*	*	*	*
Chat	*	*	*	*	*	*	*	*
Coffee	*	*	*	*	*	*	*	*
Hops / 'Geshe'	*	*	*	13,501	*	*	*	*
Enset	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	-	-	-
Other permanent	*	*	*	*	*	*	*	*

(Table 1.3.1 cont'd.)

North Gondar

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	40,570	11,407	5,482	176,907	94,166	81,300	605,503	793,032	406,331
Cereals	33,290	10,993	5,056	173,194	90,995	75,559	579,957	516,283	303,929
Teff	18,955	7,666	2,548	106,181	46,580	24,352	268,756	113,550	60,496
Barley	*	*	*	7,447	2,602	1,582	202,951	44,421	72,787
Wheat	*	*	*	33,755	9,452	8,772	155,531	55,427	78,334
Maize	15,606	*	*	98,779	20,464	31,270	376,780	49,185	16,396
Sorghum	*	*	*	*	*	*	366,645	201,936	57,012
Finger millet	*	*	*	33,973	8,561	6,275	189,438	50,519	17,420
Oats / 'Aja'	-	-	-	-	-	-	8,033	*	*
Rice	-	-	-	-	-	-	*	*	*
Pulses	-	-	-	*	*	*	271,871	83,765	80,745
Horse / Faba beans	-	-	-	*	*	*	151,145	21,818	26,813
Field Peas	-	-	-	-	-	-	70,906	10,713	15,205
Haricot beans	-	-	-	-	-	-	*	*	*
Chick peas	-	-	-	-	-	-	118,132	36,623	28,848
Lentils	-	-	-	-	-	-	32,613	4,430	4,128
Vetch / Grass peas	-	-	-	-	-	-	32,457	5,192	2,817
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	21,593	*	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	*	*	*	*	*	*	243,994	172,766	21,657
Neug	-	-	-	-	-	-	54,010	14,925	2,563
Linseed	-	-	-	-	-	-	57,613	4,451	1,822
Groundnuts	-	-	-	-	-	-	*	*	*
Safflower	-	-	-	*	*	*	*	217	*
Sesame	-	-	-	-	-	-	141,299	*	17,145
Rapeseed	*	*	*	*	*	*	15,821	204	*
Vegetables	11,100	*	162	23,559	*	*	209,331	5,641	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	*	*	-
Ethiopian cabbage	-	-	-	-	-	-	17,317	*	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	*	*	*	*	*	*	*	*	-
Red peppers	8,750	*	143	21,738	*	*	170,091	5,411	-
Swiss chard	-	-	-	-	-	-	*	*	-
Root crops	*	*	*	26,181	875	2,202	149,783	4,174	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	*	*	*	*	*	*	25,543	*	-
Potatoes	*	*	*	*	*	*	77,137	2,621	-
Garlic	*	*	*	10,996	*	*	86,834	620	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other Temporary	*	*	*	*	*	*	60,604	*	-
Permanent crops							17,146	*	
Avocado							-	-	
Bananas							*	*	
Guava							*	*	
Lemons							*	*	
Mangoes							*	*	
Oranges							-	-	
Papayas							*	*	
Pineapples							-	-	
Stimulant							57,740	*	
Chat							*	*	
Coffee							*	*	
Hops / 'Gesho'							54,689	*	
Enset							-	-	
Sugar cane							-	-	
Other permanent							2,387	*	

(Table 1.3.1 Cont'd.)

North Gondar

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	66,296	14,307	6,548	81,218	45,368	35,849	*	181,693	91,381
Cereals	61,511	14,040	6,316	80,611	45,133	11,587	*	175,715	88,882
Teff	*	*	*	30,566	12,528	*	*	74,309	30,490
Barley	*	*	*	3,048	*	*	*	*	*
Wheat	12,195	2,579	3,714	7,923	1,436	*	*	40,027	9,456
Maize	51,091	10,593	1,913	30,168	4,119	*	*	105,294	21,828
Sorghum	-	-	-	21,476	17,433	*	*	*	*
Finger millet	-	-	-	24,389	9,070	-	-	28,306	8,193
Oats / 'Aja'	-	-	-	-	-	-	-	*	*
Rice	-	-	-	*	*	-	-	-	-
Pulses	*	*	*	*	*	*	*	*	*
Horse / Faba beans	-	-	-	*	*	-	-	*	*
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	*	*	-	-
Chick peas	*	*	*	-	-	-	-	*	*
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	*	*	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	*	-	*	*	*	*	*	4,787	*
Neug	-	-	-	*	*	-	-	*	*
Linseed	-	-	-	*	*	*	*	*	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	*	-	*	-	-	-	-	*	*
Rapeseed	-	-	-	-	-	-	-	*	*
Vegetables	-	-	-	*	*	*	*	15,083	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	*	*	*	*
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	*	*	*	*
Red peppers	-	-	-	*	*	*	*	*	*
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	-	-	-	*	*	15,179	*
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	*	*	-	-	-	*	*	*	*
Potatoes	-	-	-	-	-	*	*	*	*
Garlic	-	-	-	-	-	*	*	9,708	*
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other Temporary	-	-	-	-	-	*	*	*	*
Permanent crops				*	*	*	*	-	-
Avocado	-	-	-	-	-	-	-	-	-
Bananas	-	-	-	-	-	*	*	-	-
Guava	-	-	-	-	-	-	-	-	-
Lemons	-	-	-	-	-	-	-	-	-
Mangoes	-	-	-	*	*	-	-	-	-
Oranges	-	-	-	-	-	-	-	-	-
Papayas	-	-	-	-	-	*	*	-	-
Pineapples	-	-	-	-	-	-	-	-	-
Stimulant	-	-	-	-	-	*	*	-	-
Chat	-	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	*	*	-	-
Hops / 'Gesho'	-	-	-	-	-	*	*	*	*
Enset	-	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	-	-	-	-
Other permanent	-	-	-	-	-	*	*	-	-

Table1.3.2 Number of Holders, Inputs Applied Area and Quantity of Inputs used

South Gondar

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	509,204	191,246	125,108	317,632	51,466	48,464	27,054	*
Cereals	388,628	179,898	118,658	286,560	43,074	46,371	26,426	*
Teff	129,447	76,109	58,119	16,992	2,642	29,116	*	*
Barley	35,861	8,509	3,378	43,896	4,949	*	*	*
Wheat	78,880	38,904	33,795	48,470	7,085	11,301	2,383	2,176
Maize	44,520	29,943	*	216,655	22,267	4,073	*	*
Sorghum	37,857	2,698	*	11,544	2,412	*	*	*
Finger millet	39,153	19,399	10,094	7,768	1,254	*	*	*
Oats / 'Aja'	*	*	-	*	*	-	-	-
Rice	*	*	*	*	*	*	*	*
Pulses	86,920	4,575	1,385	45,925	4,079	*	*	*
Horse / Faba beans	12,449	1,795	*	28,210	1,634	*	*	*
Field Peas	8,560	980	*	*	896	*	*	*
Haricot beans	*	*	*	*	*	-	-	-
Chick peas	17,539	*	-	*	*	-	-	-
Lentils	2,606	*	*	*	*	*	*	*
Vetch / Grass peas	35,087	927	-	7,857	927	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	*	*	-	*	*	-	-	-
Gibto	*	*	*	*	*	*	*	*
Oilseeds	22,051	1,404	*	27,475	904	*	*	*
Neug	14,748	*	*	-	-	*	*	*
Linseed	5,925	*	*	*	*	-	-	-
Groundnuts	-	-	-	-	-	-	-	-
Safflower	*	*	*	*	*	-	-	-
Sesame	*	*	*	-	-	-	-	-
Rapeseed	1,064	777	*	18,656	368	*	*	*
Vegetables	2,331	*	*	31,142	391	*	*	*
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-
Ethiopian cabbage	*	*	-	*	*	-	-	-
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	*	*	*	3,276	*	-	-	-
Red peppers	*	*	*	24,511	333	*	*	*
Swiss chard	*	*	-	*	*	-	-	-
Root crops	7,796	3,111	543	106,836	2,605	*	*	*
Beetroot	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	*	*	*	*	*	-	-	-
Potatoes	6,546	2,732	*	44,164	2,293	*	*	*
Garlic	807	341	94	73,112	307	*	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	*	*	*	-	-	-
Other Temporary	282	98	*	16,095	88	-	-	-
Permanent crops	*	*	*	*	*	*	*	*
Avocado	-	-	-	-	-	-	-	-
Bananas	*	*	*	*	*	-	-	-
Guava	*	*	*	*	*	-	-	-
Lemons	*	*	*	*	*	-	-	-
Mangoes	-	-	-	-	-	-	-	-
Oranges	-	-	-	-	-	-	-	-
Papayas	*	*	*	*	*	-	-	-
Pineapples	-	-	-	-	-	-	-	-
Stimulant	1,100	339	*	33,244	319	*	*	*
Chat	*	*	*	*	*	-	-	-
Coffee	*	*	*	*	*	-	-	-
Hops / 'Geshe'	1,058	304	*	30,784	284	-	-	-
Enset	-	-	-	-	-	-	-	-
Sugar cane	*	-	-	-	-	-	-	-
Other permanent	*	-	-	-	-	-	-	-

(Table 1.3.2 cont'd.)

South Gondar

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	59,905	15,846	8,577	172,869	96,879	97,430	495,167	503,470	491,099
Cereals	53,608	14,940	7,122	171,293	95,458	94,623	490,735	382,899	381,612
Teff	36,954	9,486	4,377	123,549	52,002	46,403	343,969	127,661	91,001
Barley	*	*	*	14,042	2,945	2,861	182,748	35,762	61,356
Wheat	9,371	1,688	950	75,301	27,748	30,669	253,565	77,509	123,435
Maize	8,988	959	*	34,134	6,390	*	344,126	42,048	20,466
Sorghum	-	-	-	*	*	*	145,569	37,857	17,474
Finger millet	10,772	2,372	*	17,415	*	*	155,735	39,153	20,164
Oats / 'Aja'	-	-	-	-	-	-	9,001	*	*
Rice	*	*	*	*	*	*	45,082	*	*
Pulses	*	*	*	5,394	241	935	343,673	86,920	102,844
Horse / Faba beans	-	-	-	*	*	*	141,843	12,449	22,555
Field Peas	-	-	-	*	*	*	68,005	8,560	12,429
Haricot beans	-	-	-	*	*	*	29,744	*	*
Chick peas	-	-	-	-	-	-	103,945	17,539	17,870
Lentils	-	-	-	-	-	-	27,344	2,606	3,656
Vetch / Grass peas	-	-	-	-	-	-	137,562	35,087	36,749
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	3,319	*	*
Gibto	*	*	*	*	*	*	25,779	*	*
Oilseeds	*	*	*	3,722	57	275	143,031	22,051	6,643
Neug	*	*	*	*	-	*	63,754	14,748	3,602
Linseed	-	-	-	*	*	*	70,721	5,925	2,798
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	*	*	*	-	-	-	*	*	*
Sesame	-	-	-	*	*	*	*	*	*
Rapeseed	*	*	*	*	*	*	36,607	1,064	110
Vegetables	16,117	619	*	*	*	*	103,505	2,331	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	*	*	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	*	*	*	*	*	*	30,820	*	-
Red peppers	14,973	507	*	*	*	*	65,667	*	-
Swiss chard	-	-	-	-	-	-	*	*	-
Root crops	5,760	*	*	9,938	*	*	219,186	7,796	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	*	*	*	*	-	*	*	*	-
Potatoes	*	*	*	*	*	*	102,164	6,546	-
Garlic	*	*	*	5,559	*	*	140,970	807	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	*	*	-	-	*	*	-
Other Temporary	*	*	*	-	-	-	45,874	282	-
Permanent crops							*	*	
Avocado							-	-	
Bananas							*	*	
Guava							*	*	
Lemons							*	*	
Mangoes							-	-	
Oranges							-	-	
Papayas							*	*	
Pineapples							-	-	
Stimulant							106,370	1,098	
Chat							*	*	
Coffee							*	*	
Hops / 'Gesho'							103,913	1,056	
Enset							-	-	
Sugar cane							*	*	
Other permanent							*	*	

(Table 1.3.2 Cont'd.)

South Gondar

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	27,424	5,734	5,066	78,211	40,780	43,430	*	195,194	86,800
Cereals	25,756	5,728	5,066	65,183	36,909	*	*	190,322	84,518
Teff	*	*	*	36,030	12,488	*	*	101,239	35,163
Barley	*	*	*	6,648	*	*	*	22,685	3,415
Wheat	8,133	1,372	2,613	38,810	*	*	*	75,463	22,181
Maize	*	*	*	*	*	*	*	53,299	9,077
Sorghum	-	-	-	*	*	*	*	*	*
Finger millet	-	-	-	9,235	2,025	*	*	*	*
Oats / 'Aja'	-	-	-	-	-	-	-	*	*
Rice	-	-	-	*	*	-	-	*	*
Pulses	-	-	-	*	*	*	*	15,733	1,186
Horse / Faba beans	-	-	-	*	*	-	-	6,441	337
Field Peas	-	-	-	-	-	-	-	*	*
Haricot beans	-	-	-	-	-	-	-	-	-
Chick peas	-	-	-	*	*	*	*	*	*
Lentils	-	-	-	-	-	*	*	*	*
Vetch / Grass peas	-	-	-	*	*	*	*	*	*
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	*	*
Gibto	-	-	-	*	*	-	-	*	*
Oilseeds	-	-	-	*	*	-	-	12,953	483
Neug	-	-	-	*	*	-	-	*	*
Linseed	-	-	-	-	-	-	-	*	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	*	*
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	*	*
Vegetables	*	*	-	-	-	5,861	*	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	*	*
Tomatoes	-	-	-	-	-	*	*	-	-
Green peppers	-	-	-	-	-	-	-	*	*
Red peppers	-	-	-	-	-	*	*	*	*
Swiss chard	*	*	-	-	-	-	-	*	*
Root crops	-	-	-	*	*	*	*	21,744	486
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	*	*	*	-
Potatoes	-	-	-	-	-	*	*	14,665	458
Garlic	-	-	-	*	*	5,462	*	13,006	*
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	*	*	-	-
Other Temporary	-	-	-	-	-	*	*	*	*
Permanent crops				*	*	*	*	*	*
Avocado				-	-	-	-	-	-
Bananas				-	-	*	*	-	-
Guava				*	*	-	-	*	*
Lemons				-	-	*	*	-	-
Mangoes				-	-	-	-	-	-
Oranges				-	-	-	-	-	-
Papayas				-	-	-	-	*	*
Pineapples				-	-	-	-	-	-
Stimulant	-	-	-	*	*	*	*	-	-
Chat				*	*	*	*	-	-
Coffee	-	-	-	-	-	*	*	-	-
Hops / 'Gesho'				-	-	*	*	3,851	*
Enset				-	-	-	-	-	-
Sugar cane				-	-	*	*	*	*
Other permanent				-	-	-	-	-	-

Table1.3.3 Number of Holders, Inputs Applied Area and Quantity of Inputs used

North Wolo

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	277,374	58,607	13,261	180,427	37,126	2,724	*	*
Cereals	225,881	49,875	12,719	142,189	28,903	*	*	*
Teff	64,081	16,211	3,628	31,190	4,295	*	*	*
Barley	41,986	9,046	*	63,684	8,437	-	-	-
Wheat	26,007	7,826	*	37,970	3,448	-	-	-
Maize	7,387	3,033	*	71,144	2,765	*	*	*
Sorghum	82,172	11,450	1,207	39,616	8,313	-	-	-
Finger millet	2,697	1,883	*	10,976	1,342	-	-	-
Oats / 'Aja'	1,311	*	-	2,899	*	-	-	-
Rice	*	*	*	-	-	-	-	-
Pulses	38,559	5,200	*	49,092	5,042	-	-	-
Horse / Faba beans	12,742	2,407	*	30,366	2,304	-	-	-
Field Peas	9,120	1,227	*	13,724	1,215	-	-	-
Haricot beans	*	*	-	*	*	-	-	-
Chick peas	4,169	*	*	*	*	-	-	-
Lentils	5,300	*	-	9,262	*	-	-	-
Vetch / Grass peas	1,066	*	-	*	*	-	-	-
Soya beans	*	*	-	*	*	-	-	-
Fenugreek	*	*	-	8,062	*	-	-	-
Gibto	*	-	-	-	-	-	-	-
Oilseeds	6,297	1,062	*	13,150	*	-	-	-
Neug	505	*	*	*	*	-	-	-
Linseed	5,205	*	*	9,205	*	-	-	-
Groundnuts	*	*	-	*	*	-	-	-
Safflower	*	*	*	*	*	-	-	-
Sesame	*	-	-	-	-	-	-	-
Rapeseed	*	*	-	*	*	-	-	-
Vegetables	766	387	*	51,402	380	*	*	*
Lettuce	*	*	-	*	*	-	-	-
Head cabbage	*	*	-	*	*	-	-	-
Ethiopian cabbage	166	96	-	21,651	96	-	-	-
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	43	19	-	*	19	-	-	-
Red peppers	535	269	*	25,455	262	*	*	*
Swiss chard	*	*	*	*	*	-	-	-
Root crops	*	924	*	52,239	659	-	-	-
Beetroot	*	*	-	*	*	-	-	-
Carrot	*	*	-	*	*	-	-	-
Onion	534	*	*	*	*	-	-	-
Potatoes	352	186	*	13,312	133	-	-	-
Garlic	643	474	*	42,506	422	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	-	*	*	-	-	-
Other Temporary	*	*	-	25,619	*	-	-	-
Permanent crops	219	61		11,391	61			
Avocado	*	*		*	*			
Bananas	54	28		7,429	28			
Guava	*	*		*	*			
Lemons	*	*		*	*			
Mangoes	*	*		*	*			
Oranges	*	*		2,990	*			
Papayas	7	*		*	*			
Pineapples	-	-		-	-			
Stimulant	1,710	574		34,136	562			
Chat	*	*		2,608	*			
Coffee	818	267		17,161	267			
Hops / 'Geshe'	854	289		23,492	277			
Enset	-	-		-	-			
Sugar cane	*	*		1,318	*			
Other permanent	*	*		*	*			

(Table 1.3.3 cont'd.)

North Wolo

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	27,416	6,964	2,480	44,879	14,038	10,646	317,311	276,520	165,016
Cereals	26,050	6,650	2,151	44,879	13,846	10,437	312,337	225,027	118,882
Teff	17,829	*	951	25,340	7,438	2,571	185,235	64,081	21,041
Barley	*	*	*	*	*	*	168,025	41,986	50,044
Wheat	5,560	477	265	19,315	*	*	121,611	25,319	28,457
Maize	*	*	*	5,056	163	192	126,981	7,222	3,180
Sorghum	*	*	*	7,867	1,548	*	187,871	82,172	13,983
Finger millet	*	*	*	*	*	*	24,309	2,697	786
Oats / 'Aja'	-	-	-	-	-	-	11,910	1,311	1,252
Rice	*	*	*	-	-	-	*	*	*
Pulses	*	*	*	*	*	*	173,316	38,559	43,145
Horse / Faba beans	*	*	*	-	-	-	102,466	12,742	16,962
Field Peas	-	-	-	*	*	*	74,037	9,120	12,008
Haricot beans	-	-	-	-	-	-	20,792	*	*
Chick peas	*	*	*	-	-	-	28,453	4,169	3,164
Lentils	-	-	-	-	-	-	47,788	5,300	5,146
Vetch / Grass peas	-	-	-	-	-	-	10,274	1,066	1,188
Soya beans	-	-	-	-	-	-	*	*	*
Fenugreek	-	-	-	-	-	-	19,359	*	*
Gibto	-	-	-	-	-	-	*	*	*
Oilseeds	*	*	*	*	*	*	79,708	6,297	2,990
Neug	-	-	-	*	*	*	9,656	505	*
Linseed	-	-	-	*	*	*	67,665	5,205	2,741
Groundnuts	-	-	-	-	-	-	*	*	*
Safflower	*	*	*	-	-	-	*	*	*
Sesame	-	-	-	-	-	-	*	*	*
Rapeseed	-	-	-	-	-	-	*	*	*
Vegetables	*	*	*	*	*	*	84,379	766	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	-	-	-	-	-	-	1,315	*	-
Ethiopian cabbage	-	-	-	-	-	-	32,555	166	-
Tomatoes	-	-	-	-	-	-	1,355	*	-
Green peppers	-	-	-	-	-	-	8,917	43	-
Red peppers	*	*	*	*	*	*	46,003	535	-
Swiss chard	-	-	-	*	*	*	*	*	-
Root crops	*	*	*	*	*	*	96,906	*	-
Beetroot	-	-	-	-	-	-	*	*	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	*	*	*	*	*	*	19,819	534	-
Potatoes	-	-	-	*	*	*	22,947	352	-
Garlic	*	*	*	*	*	*	73,759	643	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	*	*	-
Other Temporary	-	-	-	-	-	-	42,554	*	-
Permanent crops							22,172	219	
Avocado							*	*	
Bananas							10,035	54	
Guava							*	*	
Lemons							*	*	
Mangoes							*	*	
Oranges							9,048	*	
Papayas							3,144	7	
Pineapples							-	-	
Stimulant							70,859	1,709	
Chat							4,941	*	
Coffee							32,291	817	
Hops / 'Gesho'							53,891	854	
Enset							-	-	
Sugar cane							3,659	*	
Other permanent							3,934	*	

(Table 1.3.3 Cont'd.)

North Wolo

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	5,308	*	1,052	21,797	*	43,994	4,083	17,752	*
Cereals	5,308	*	1,052	19,445	*	19,327	2,368	16,384	*
Teff	*	-	*	*	*	6,826	511	*	*
Barley	-	-	-	*	*	*	*	*	*
Wheat	3,857	*	1,019	3,965	*	2,251	105	*	1,320
Maize	*	*	*	*	*	9,835	*	*	*
Sorghum	-	-	-	*	*	4,674	*	*	*
Finger millet	-	-	-	*	*	*	*	*	*
Oats / 'Aja'	-	-	-	-	-	*	*	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	1,950	*	2,249	*	*	*
Horse / Faba beans	-	-	-	*	*	*	*	*	*
Field Peas	-	-	-	*	*	*	*	-	-
Haricot beans	-	-	-	-	-	*	*	-	-
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	*	*	*	*	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	*	*	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	*	*	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	-	-	-	*	*	8,881	143	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	*	*	-	-
Ethiopian cabbage	-	-	-	-	-	*	*	*	*
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	*	*	-	-	-	-
Red peppers	-	-	-	-	-	7,244	138	*	*
Swiss chard	-	-	-	-	-	*	*	*	*
Root crops	-	-	-	*	*	12,787	395	*	*
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	*	*	-	-
Onion	-	-	-	*	*	*	*	*	*
Potatoes	-	-	-	-	-	*	*	-	-
Garlic	-	-	-	*	*	8,123	*	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	*	*	*	*
Other Temporary	-	-	-	-	-	*	*	-	-
Permanent crops	-	-	-	-	-	12,010	*	-	-
Avocado	-	-	-	-	-	*	*	-	-
Bananas	-	-	-	-	-	5,839	*	-	-
Guava	-	-	-	-	-	*	*	-	-
Lemons	-	-	-	-	-	*	*	-	-
Mangoes	-	-	-	-	-	*	*	-	-
Oranges	-	-	-	-	-	4,135	*	-	-
Papayas	-	-	-	-	-	*	*	-	-
Pineapples	-	-	-	-	-	-	-	-	-
Stimulant	*	*	-	-	-	16,759	*	-	-
Chat	-	-	-	-	-	*	*	-	-
Coffee	*	*	-	-	-	15,455	*	-	-
Hops / 'Geshe'	-	-	-	-	-	8,997	*	-	-
Enset	-	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	3,336	*	*	*
Other permanent	-	-	-	-	-	*	*	-	-

Table1.3.4 Number of Holders, Inputs Applied Area and Quantity of Inputs used

South Wolo

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	457,758	226,667	128,216	424,028	108,436	13,235	3,884	*
Cereals	341,682	195,381	124,177	366,586	79,501	12,576	*	*
Teff	103,808	69,757	48,672	90,501	13,288	7,853	*	*
Barley	41,353	12,139	1,587	112,169	10,113	*	*	*
Wheat	81,228	64,445	72,075	104,378	9,055	*	*	*
Maize	14,880	11,087	*	186,304	10,913	*	*	*
Sorghum	92,223	35,162	*	138,450	33,648	*	*	*
Finger millet	*	1,391	*	24,862	1,295	-	-	-
Oats / 'Aja'	2,514	1,263	*	16,016	*	*	*	*
Rice	*	*	*	*	*	-	-	-
Pulses	94,434	18,414	3,024	151,654	16,363	*	*	*
Horse / Faba beans	26,736	6,412	1,241	91,383	6,094	-	-	-
Field Peas	15,435	3,444	*	30,281	3,079	*	*	*
Haricot beans	7,934	1,809	-	35,879	1,809	-	-	-
Chick peas	16,472	1,978	*	19,127	1,600	-	-	-
Lentils	11,896	*	*	25,059	*	-	-	-
Vetch / Grass peas	12,711	*	*	*	*	-	-	-
Soya beans	*	*	*	*	*	-	-	-
Fenugreek	2,984	787	*	5,296	101	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	6,265	2,199	*	35,432	1,961	-	-	-
Neug	2,075	545	*	10,347	531	-	-	-
Linseed	2,416	*	*	*	*	-	-	-
Groundnuts	*	-	-	-	-	-	-	-
Safflower	*	*	*	*	*	-	-	-
Sesame	*	*	-	*	*	-	-	-
Rapeseed	*	*	*	*	*	-	-	-
Vegetables	1,732	1,299	*	98,481	1,274	-	-	-
Lettuce	*	*	-	*	*	-	-	-
Head cabbage	*	*	-	*	*	-	-	-
Ethiopian cabbage	169	74	*	23,126	66	-	-	-
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	*	*	-	11,813	*	-	-	-
Red peppers	1,400	1,076	*	62,703	1,059	-	-	-
Swiss chard	*	*	-	*	*	-	-	-
Root crops	1,646	756	*	99,007	719	-	-	-
Beetroot	*	-	-	-	-	-	-	-
Carrot	*	*	*	*	*	-	-	-
Onion	*	*	*	8,681	*	-	-	-
Potatoes	*	*	-	24,986	*	-	-	-
Garlic	570	224	*	71,293	212	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	-	*	*	-	-	-
Other Temporary	614	223	*	50,015	222	-	-	-
Permanent crops	1,196	*	*	41,941	*	-	-	-
Avocado	*	*	*	2,761	*	-	-	-
Bananas	*	*	*	6,083	*	-	-	-
Guava	*	*	*	12,419	*	-	-	-
Lemons	*	*	*	4,376	*	-	-	-
Mangoes	*	*	*	*	*	-	-	-
Oranges	782	*	*	25,466	*	-	-	-
Papayas	*	*	*	*	*	-	-	-
Pineapples	-	-	-	-	-	-	-	-
Stimulant	9,517	7,545	*	112,055	7,545	-	-	-
Chat	4,574	3,590	*	64,908	3,590	-	-	-
Coffee	*	*	*	56,660	*	-	-	-
Hops / 'Geshe'	495	306	*	47,480	306	-	-	-
Enset	*	*	*	*	*	-	-	-
Sugar cane	*	*	*	*	*	-	-	-
Other permanent	*	*	*	9,240	*	-	-	-

(Table 1.3.4 cont'd.)

South Wolo

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	39,517	6,388	3,397	195,748	107,960	122,568	615,320	452,004	362,512
Cereals	37,175	6,283	3,252	193,143	105,919	118,853	601,264	335,947	238,166
Teff	22,469	3,963	1,370	129,435	49,953	45,814	337,108	103,808	30,136
Barley	*	*	*	15,388	1,658	1,445	255,135	41,353	57,960
Wheat	18,639	1,951	*	142,248	53,287	70,366	291,623	75,493	119,346
Maize	*	*	*	*	*	*	230,165	14,880	7,237
Sorghum	*	*	*	*	*	*	287,571	92,223	19,533
Finger millet	-	-	-	*	*	*	41,197	*	838
Oats / 'Aja'	-	-	-	*	*	*	37,762	2,514	2,913
Rice	-	-	-	*	*	*	*	*	*
Pulses	*	*	*	22,413	1,794	2,796	418,236	94,434	122,540
Horse / Faba beans	*	*	*	8,836	272	1,193	237,858	26,736	42,077
Field Peas	-	-	-	*	*	*	128,366	15,435	20,680
Haricot beans	-	-	-	-	-	-	87,787	7,934	6,143
Chick peas	-	-	-	*	*	*	112,213	16,472	19,715
Lentils	-	-	-	*	*	*	116,447	11,896	11,644
Vetch / Grass peas	-	-	-	*	*	*	95,305	12,711	19,189
Soya beans	-	-	-	*	*	*	*	*	*
Fenugreek	*	*	*	8,484	*	*	46,517	2,984	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	*	*	*	5,493	*	*	117,451	6,265	1,806
Neug	-	-	-	*	*	*	34,220	2,075	598
Linseed	-	-	-	*	*	*	63,915	2,416	1,003
Groundnuts	-	-	-	-	-	-	*	*	*
Safflower	-	-	-	*	*	*	7,800	*	43
Sesame	-	-	-	-	-	-	*	*	*
Rapeseed	*	*	*	*	*	*	4,550	*	*
Vegetables	*	*	*	*	*	*	142,393	1,718	-
Lettuce	-	-	-	-	-	-	3,235	*	-
Head cabbage	-	-	-	-	-	-	*	*	-
Ethiopian cabbage	*	*	*	-	-	-	44,486	169	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	13,753	*	-
Red peppers	-	-	-	*	*	*	79,423	1,386	-
Swiss chard	-	-	-	-	-	-	*	*	-
Root crops	*	*	*	*	*	*	155,630	1,640	-
Beetroot	-	-	-	-	-	-	*	*	-
Carrot	*	*	*	*	*	*	6,662	*	-
Onion	*	*	*	-	-	-	13,570	*	-
Potatoes	-	-	-	-	-	-	32,637	*	-
Garlic	-	-	-	*	*	*	123,292	570	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	*	*	-
Other Temporary	-	-	-	*	*	*	77,647	614	-
Permanent crops							63,162	1,196	
Avocado							2,761	*	
Bananas							9,758	*	
Guava							21,281	*	
Lemons							7,069	*	
Mangoes							*	*	
Oranges							39,565	782	
Papayas							11,442	*	
Pineapples							-	-	
Stimulant							148,909	9,517	
Chat							76,006	4,574	
Coffee							77,343	*	
Hops / 'Geshe'							70,307	495	
Enset							*	*	
Sugar cane							*	*	
Other permanent							15,566	*	

(Table 1.3.4 Cont'd.)

South Wolo

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	20,324	5,755	7,446	58,004	11,317	65,666	4,119	56,854	18,816
Cereals	19,037	5,735	7,446	47,448	9,590	15,853	694	54,351	14,683
Teff	-	-	-	5,444	*	*	*	13,089	2,626
Barley	-	-	-	3,371	*	2,612	*	6,180	*
Wheat	18,281	5,735	7,376	9,757	*	-	-	23,053	*
Maize	*	-	*	*	*	*	*	*	*
Sorghum	-	-	-	*	*	2,656	*	*	*
Finger millet	-	-	-	*	*	*	*	*	*
Oats / 'Aja'	-	-	-	*	*	-	-	*	*
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	11,373	*	4,855	*	19,814	2,813
Horse / Faba beans	-	-	-	*	*	*	*	*	*
Field Peas	-	-	-	*	*	*	*	*	*
Haricot beans	-	-	-	*	*	*	*	*	*
Chick peas	-	-	-	*	*	2,865	*	*	*
Lentils	-	-	-	*	*	*	*	*	*
Vetch / Grass peas	-	-	-	*	*	*	*	-	-
Soya beans	-	-	-	-	-	-	-	*	*
Fenugreek	-	-	-	-	-	-	-	*	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	*	*	*	*	*	*
Neug	-	-	-	-	-	-	-	*	*
Linseed	-	-	-	-	-	*	*	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	*	*	*	*
Sesame	-	-	-	*	*	*	*	*	*
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	*	*	-	*	*	19,009	274	*	*
Lettuce	-	-	-	-	-	*	*	-	-
Head cabbage	-	-	-	-	-	*	*	-	-
Ethiopian cabbage	-	-	-	*	*	*	*	*	*
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	*	*	-	-
Red peppers	*	*	-	*	*	15,189	*	*	*
Swiss chard	*	*	-	-	-	*	*	-	-
Root crops	*	*	-	*	*	12,813	*	*	*
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	*	*	-	-	-	*	*	-	-
Onion	-	-	-	-	-	*	*	*	*
Potatoes	*	*	-	-	-	*	*	*	*
Garlic	-	-	-	*	*	8,680	*	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other Temporary	-	-	-	*	*	*	*	*	*
Permanent crops	-	-	-	*	*	22,059	*	*	*
Avocado	-	-	-	-	-	*	*	*	*
Bananas	-	-	-	*	*	*	*	*	*
Guava	-	-	-	-	-	9,671	*	*	*
Lemons	-	-	-	-	-	*	*	-	-
Mangoes	-	-	-	-	-	*	-	-	-
Oranges	-	-	-	-	-	12,590	*	*	*
Papayas	-	-	-	-	-	*	*	*	*
Pineapples	-	-	-	-	-	-	-	-	-
Stimulant	-	-	-	*	*	34,714	*	*	*
Chat	-	-	-	*	*	*	*	*	*
Coffee	-	-	-	*	*	25,278	730	*	*
Hops / 'Gesho'	-	-	-	*	*	*	*	*	*
Enset	-	-	-	-	-	*	*	-	-
Sugar cane	-	-	-	-	-	*	*	-	-
Other permanent	-	-	-	*	*	*	*	*	*

Table1.3.5 Number of Holders, Inputs Applied Area and Quantity of Inputs used

North Shewa

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	552,714	215,667	166,548	274,251	75,454	64,567	40,769	31,899
Cereals	440,539	182,381	140,646	200,840	52,992	58,964	37,146	27,128
Teff	131,216	67,123	47,402	39,262	6,808	39,660	22,128	13,894
Barley	63,004	31,984	16,289	80,745	15,338	*	*	*
Wheat	73,362	53,594	70,076	45,032	7,345	14,421	*	*
Maize	11,283	8,058	*	86,352	7,251	*	*	*
Sorghum	161,303	21,411	*	48,174	16,189	*	*	*
Finger millet	*	*	*	*	*	-	-	-
Oats / 'Aja'	*	*	*	*	*	-	-	-
Rice	*	-	-	-	-	-	-	-
Pulses	88,407	23,356	3,513	109,382	19,027	*	*	*
Horse / Faba beans	38,433	15,620	*	84,449	14,694	*	*	*
Field Peas	11,806	3,491	*	18,710	2,206	*	*	*
Haricot beans	4,840	460	*	14,528	*	-	-	-
Chick peas	11,233	1,227	*	4,833	583	*	*	*
Lentils	17,528	2,315	*	6,735	997	2,714	*	*
Vetch / Grass peas	2,934	*	*	*	*	-	-	-
Soya beans	*	-	-	-	-	-	-	-
Fenugreek	1,634	165	*	7,498	110	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	11,857	3,029	*	16,594	752	7,323	*	*
Neug	946	*	*	1,849	*	*	*	*
Linseed	4,345	*	*	3,791	*	-	-	-
Groundnuts	-	-	-	-	-	-	-	-
Safflower	*	1,110	*	4,946	*	*	*	*
Sesame	4,086	1,544	*	4,554	*	*	*	*
Rapeseed	*	*	-	*	*	-	-	-
Vegetables	1,332	634	485	91,079	466	*	*	*
Lettuce	*	*	-	*	*	-	-	-
Head cabbage	*	*	*	*	*	-	-	-
Ethiopian cabbage	150	82	*	41,941	74	*	*	*
Tomatoes	*	*	*	*	*	*	*	*
Green peppers	207	134	50	14,487	97	*	*	*
Red peppers	831	366	*	38,045	273	*	*	*
Swiss chard	14	*	-	6,405	*	-	-	-
Root crops	4,758	4,091	*	105,360	1,218	8,992	*	*
Beetroot	*	*	*	1,962	*	-	-	-
Carrot	18	*	-	*	*	-	-	-
Onion	*	*	*	46,427	256	6,762	*	*
Potatoes	388	301	*	27,738	284	*	*	*
Garlic	*	*	*	63,325	*	*	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	95	*	-	5,231	*	-	-	-
Other Temporary	*	*	*	14,688	37	-	-	-
Permanent crops	*	65	*	12,254	58	*	*	*
Avocado	*	*	*	*	*	*	*	*
Bananas	*	*	*	6,574	*	*	*	*
Guava	*	*	*	*	*	*	*	*
Lemons	*	*	*	*	*	*	*	*
Mangoes	13	*	*	*	*	*	*	*
Oranges	44	*	*	*	*	*	*	*
Papayas	*	*	*	*	*	*	*	*
Pineapples	-	-	-	-	-	-	-	-
Stimulant	3,468	1,047	*	53,569	848	*	*	*
Chat	*	*	*	4,420	*	*	*	*
Coffee	702	354	*	18,564	223	*	*	*
Hops / 'Gescho'	2,445	506	*	42,515	451	*	*	*
Enset	*	-	-	-	-	-	-	-
Sugar cane	213	40	*	5,734	40	*	*	*
Other permanent	*	*	*	10,759	15	*	*	*

(Table 1.3.5 cont'd.)

North Shewa

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	56,409	17,613	13,145	143,600	81,831	121,504	439,493	542,943	421,322
Cereals	49,094	15,880	9,676	135,221	76,362	103,843	422,585	431,304	283,264
Teff	32,886	9,119	3,980	73,693	29,069	29,528	272,644	130,545	43,701
Barley	8,371	1,110	*	21,102	4,293	5,633	187,177	62,982	97,961
Wheat	12,823	3,054	*	92,071	40,374	64,367	186,224	64,819	107,470
Maize	5,557	*	*	*	*	*	164,749	11,283	3,752
Sorghum	7,733	2,187	1,355	*	*	*	224,032	161,303	29,803
Finger millet	-	-	-	*	*	*	*	*	*
Oats / 'Aja'	-	-	-	*	*	*	3,349	*	*
Rice	-	-	-	-	-	-	*	*	*
Pulses	5,272	424	*	11,761	1,920	*	281,077	87,972	135,288
Horse / Faba beans	*	*	*	*	*	*	180,685	38,433	77,795
Field Peas	-	-	-	*	*	*	82,552	11,806	18,179
Haricot beans	*	*	*	*	*	*	53,929	4,840	2,324
Chick peas	*	*	*	*	*	*	58,815	11,140	15,544
Lentils	*	*	*	*	*	*	98,983	17,185	15,261
Vetch / Grass peas	-	-	-	*	*	*	29,011	2,934	5,120
Soya beans	-	-	-	-	-	-	*	*	-
Fenugreek	-	-	-	*	*	*	33,615	1,634	1,066
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	6,543	606	*	10,620	777	*	116,425	11,855	2,770
Neug	-	-	-	*	*	*	19,558	944	122
Linseed	*	*	*	*	*	*	40,006	4,345	1,342
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	3,098	*	*	*	*	*	25,464	*	*
Sesame	*	*	*	*	516	*	56,330	4,086	250
Rapeseed	-	-	-	-	-	-	3,197	*	*
Vegetables	4,449	48	63	6,173	75	285	158,375	1,329	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	-	-	-	*	*	*	4,933	*	-
Ethiopian cabbage	*	*	*	*	*	*	71,087	150	-
Tomatoes	*	*	*	*	*	*	6,557	*	-
Green peppers	*	*	*	*	*	*	27,034	207	-
Red peppers	2,687	34	*	*	*	*	69,239	831	-
Swiss chard	-	-	-	-	-	-	9,534	13	-
Root crops	12,006	*	*	16,333	*	*	207,126	4,724	-
Beetroot	-	-	-	*	*	*	7,233	*	-
Carrot	-	-	-	-	-	-	4,093	*	-
Onion	9,773	*	*	14,552	*	*	106,945	*	-
Potatoes	*	*	*	*	*	*	40,115	366	-
Garlic	*	*	*	3,077	*	*	124,617	*	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	9,182	95	-
Other Temporary	*	*	*	*	*	*	46,090	*	-
Permanent crops							42,437	*	
Avocado							*	*	
Bananas							20,468	*	
Guava							*	*	
Lemons							*	*	
Mangoes							*	13	
Oranges							13,652	44	
Papayas							10,884	*	
Pineapples							-	-	
Stimulant							141,928	3,450	
Chat							20,398	*	
Coffee							44,181	702	
Hops / 'Geshe'							120,412	2,427	
Enset							*	*	
Sugar cane							16,809	212	
Other permanent							27,355	105	

(Table 1.3.5 Cont'd.)

North Shewa									
Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	38,916	9,771	14,030	120,603	53,437	81,969	*	184,893	94,739
Cereals	31,722	9,235	13,568	92,496	44,436	*	*	174,075	82,809
Teff	*	*	*	55,454	22,681	*	*	72,526	30,874
Barley	*	*	*	14,601	2,064	*	*	52,233	15,631
Wheat	29,994	8,543	13,214	47,476	12,688	*	*	81,686	27,652
Maize	-	-	-	5,776	*	*	*	21,056	1,235
Sorghum	-	-	-	17,480	6,832	*	*	20,552	7,394
Finger millet	-	-	-	-	-	*	*	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	*	*
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	*	25,588	6,511	*	*	35,702	7,119
Horse / Faba beans	-	-	-	*	*	*	*	28,019	5,024
Field Peas	-	-	-	*	*	-	-	8,854	*
Haricot beans	-	-	-	6,287	*	*	*	*	*
Chick peas	*	*	*	6,640	*	-	-	*	*
Lentils	*	*	*	*	*	-	-	5,479	*
Vetch / Grass peas	-	-	-	*	*	*	*	*	*
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	*	*	*	*	*	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	*	*	-	4,844	*	*	*	19,857	1,775
Neug	*	*	-	-	-	-	-	*	*
Linseed	-	-	-	*	*	-	-	*	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	*	*	-	-	6,551	*
Sesame	-	-	-	2,400	*	*	*	12,834	882
Rapeseed	-	-	-	*	*	-	-	*	*
Vegetables	*	*	-	6,065	*	26,230	196	10,102	62
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	*	*	*	*	*	*
Ethiopian cabbage	-	-	-	*	*	10,012	*	5,326	10
Tomatoes	*	*	-	*	*	2,652	*	*	*
Green peppers	-	-	-	*	*	6,111	*	*	*
Red peppers	*	-	-	2,995	15	*	*	4,314	*
Swiss chard	*	*	-	-	-	*	*	*	*
Root crops	*	*	-	9,295	*	37,599	*	28,940	*
Beetroot	-	-	-	-	-	*	*	-	-
Carrot	*	*	-	-	-	*	*	*	*
Onion	-	-	-	7,551	*	25,708	*	*	*
Potatoes	*	*	-	*	*	3,438	*	*	*
Garlic	*	*	-	*	*	14,291	54	10,781	*
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	*	*	*	*	*	*
Other Temporary	-	-	-	*	*	*	*	*	*
Permanent crops	-	-	-	-	-	22,379	194	*	*
Avocado	-	-	-	-	-	*	*	-	-
Bananas	-	-	-	-	-	9,931	*	*	*
Guava	-	-	-	-	-	-	-	-	-
Lemons	-	-	-	-	-	*	*	*	*
Mangoes	-	-	-	-	-	*	*	-	-
Oranges	-	-	-	-	-	5,380	17	*	*
Papayas	-	-	-	-	-	6,593	*	*	*
Pineapples	-	-	-	-	-	-	-	-	-
Stimulant	-	-	-	*	*	18,082	525	*	*
Chat	-	-	-	*	*	8,023	*	*	*
Coffee	-	-	-	*	*	12,667	*	*	*
Hops / 'Gesho'	-	-	-	*	*	19,472	*	*	*
Enset	-	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	9,245	*	*	*
Other permanent	-	-	-	*	*	5,843	*	*	*

Table1.3.6 Number of Holders, Inputs Applied Area and Quantity of Inputs used

East Gojjam

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	608,308	402,657	515,667	341,986	51,618	120,886	80,023	71,266
Cereals	491,524	376,439	499,444	235,497	34,140	117,503	76,117	66,744
Teff	227,539	203,259	246,707	22,125	3,854	87,439	45,456	36,850
Barley	49,483	19,791	11,575	44,115	6,388	18,445	*	3,382
Wheat	114,452	94,291	167,122	43,240	7,043	47,194	14,515	18,744
Maize	64,470	56,975	72,955	167,656	15,177	42,793	8,889	7,767
Sorghum	35,034	*	*	*	*	-	-	-
Finger millet	*	*	*	*	*	-	-	-
Oats / 'Aja'	-	-	*	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
Pulses	81,389	15,742	7,224	93,029	10,277	16,931	2,983	2,361
Horse / Faba beans	31,194	9,498	2,581	73,871	7,215	11,955	*	1,332
Field Peas	9,094	2,336	3,269	3,952	133	*	*	794
Haricot beans	*	812	*	*	*	*	*	*
Chick peas	14,041	574	*	4,438	446	*	*	*
Lentils	*	*	*	*	*	-	-	-
Vetch / Grass peas	15,335	*	-	*	*	-	-	-
Soya beans	*	*	*	*	*	-	-	-
Fenugreek	589	*	*	*	*	-	-	-
Gibto	*	*	*	*	*	*	*	*
Oilseeds	21,838	2,629	5,092	26,710	870	6,666	*	*
Neug	12,077	*	*	3,902	*	*	*	*
Linseed	939	*	*	*	*	-	-	-
Groundnuts	*	*	-	*	*	-	-	-
Safflower	*	*	*	-	-	-	-	-
Sesame	*	*	*	*	*	-	-	-
Rapeseed	1,782	*	*	20,638	445	6,123	*	*
Vegetables	1,543	1,001	567	66,451	669	*	*	*
Lettuce	*	*	-	*	*	-	-	-
Head cabbage	152	102	*	18,031	101	-	-	-
Ethiopian cabbage	*	*	*	-	-	*	*	*
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	290	172	*	29,887	166	-	-	-
Red peppers	1,014	660	331	25,360	396	*	*	*
Swiss chard	*	-	-	-	-	-	-	-
Root crops	6,098	4,000	*	131,247	3,427	5,597	123	400
Beetroot	55	42	-	16,909	42	-	-	-
Carrot	*	*	-	2,876	*	-	-	-
Onion	*	*	*	19,679	*	-	-	-
Potatoes	3,940	2,661	*	44,192	2,114	5,006	118	386
Garlic	821	410	*	74,951	390	*	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-
Other Temporary	853	385	*	52,708	363	*	*	*
Permanent crops	280	*	*	6,509	*	*	*	*
Avocado	*	*	*	*	*	-	-	-
Bananas	*	*	*	*	*	-	-	-
Guava	*	-	-	-	-	-	-	-
Lemons	*	*	*	*	*	-	-	-
Mangoes	*	*	*	*	*	-	-	-
Oranges	*	*	*	4,339	*	-	-	-
Papayas	*	*	*	*	*	-	-	-
Pineapples	-	-	-	-	-	-	-	-
Stimulant	4,414	2,100	*	118,050	1,697	*	*	*
Chat	*	*	*	*	*	-	-	-
Coffee	219	*	*	*	*	-	-	-
Hops / 'Geshe'	3,859	1,750	*	116,965	1,615	-	-	-
Enset	-	-	-	-	-	-	-	-
Sugar cane	*	*	*	*	*	-	-	-
Other permanent	*	*	*	3,327	*	-	-	-

(Table 1.3.6 cont'd.)

East Gojjam

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	70,559	30,464	25,514	284,709	240,552	418,887	505,062	559,849	572,394
Cereals	64,319	29,442	24,799	284,118	236,740	407,902	489,093	443,940	468,163
Teff	52,195	26,295	21,962	195,380	127,654	187,895	359,023	220,973	110,682
Barley	2,196	*	*	30,257	5,873	7,991	174,011	49,303	91,046
Wheat	9,702	*	*	172,930	70,849	146,563	301,771	105,143	243,822
Maize	7,461	948	775	122,423	31,962	64,413	291,840	33,170	12,483
Sorghum	*	*	*	*	*	*	99,357	35,034	9,782
Finger millet	-	-	-	*	*	*	*	*	*
Oats / 'Aja'	-	-	-	*	-	*	*	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	3,522	*	*	24,016	2,136	4,659	327,668	80,717	98,309
Horse / Faba beans	*	*	*	12,467	*	*	217,006	31,194	47,171
Field Peas	*	*	*	*	*	*	60,913	9,094	8,899
Haricot beans	*	*	*	*	*	*	34,659	*	*
Chick peas	-	-	-	*	*	*	66,667	13,781	14,355
Lentils	-	-	-	*	*	*	10,287	1,077	761
Vetch / Grass peas	-	-	-	-	-	-	80,615	15,335	16,399
Soya beans	-	-	-	*	*	*	*	*	*
Fenugreek	*	*	*	*	*	*	13,208	589	215
Gibto	-	-	-	-	-	-	7,324	*	*
Oilseeds	*	*	*	10,784	594	*	121,425	21,789	5,922
Neug	*	*	*	*	*	*	52,410	12,029	1,347
Linseed	-	-	-	*	*	*	14,135	939	375
Groundnuts	-	-	-	-	-	-	*	*	*
Safflower	*	*	*	-	-	-	*	*	*
Sesame	*	*	*	-	-	-	27,379	*	*
Rapeseed	*	*	*	9,632	*	*	39,227	1,780	*
Vegetables	7,213	131	*	*	*	*	128,246	1,534	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	-	-	-	*	*	*	31,832	148	-
Ethiopian cabbage	-	-	-	*	*	*	*	*	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	*	*	*	*	*	*	47,228	290	-
Red peppers	6,590	130	*	*	*	*	63,194	1,014	-
Swiss chard	-	-	-	-	-	-	*	*	-
Root crops	*	*	*	*	*	*	207,938	6,068	-
Beetroot	-	-	-	-	-	-	22,095	50	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	-	-	-	*	*	*	31,746	*	-
Potatoes	*	*	*	*	*	*	78,969	3,940	-
Garlic	*	*	*	*	*	*	123,157	813	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other Temporary	-	-	-	*	*	*	87,736	853	-
Permanent crops							21,673	279	
Avocado							*	*	
Bananas							11,600	*	
Guava							-	-	
Lemons							*	*	
Mangoes							*	*	
Oranges							8,932	*	
Papayas							*	*	
Pineapples							-	-	
Stimulant							229,587	4,301	
Chat							7,016	*	
Coffee							15,784	127	
Hops / 'Gesho'							227,361	3,837	
Enset							-	-	
Sugar cane							7,456	*	
Other permanent							8,768	*	

(Table 1.3.6 Cont'd.)

East Gojjam

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	142,346	48,458	30,008	75,469	33,046	61,775	5,249	259,544	206,454
Cereals	137,197	47,584	29,214	72,461	32,642	15,757	2,789	256,166	197,145
Teff	11,796	6,565	2,678	44,292	22,670	*	*	168,611	104,242
Barley	*	*	*	*	*	*	*	32,414	10,350
Wheat	34,171	9,309	18,390	43,366	8,958	*	*	146,377	46,179
Maize	120,164	31,300	7,906	*	*	4,450	539	144,762	35,160
Sorghum	-	-	-	*	*	-	-	*	*
Finger millet	*	*	*	-	-	*	*	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	*	3,512	*	*	*	44,671	7,209
Horse / Faba beans	-	-	-	2,378	*	*	*	27,809	3,450
Field Peas	-	-	-	*	*	-	-	*	*
Haricot beans	-	-	-	*	*	-	-	*	*
Chick peas	*	*	*	-	-	*	*	4,514	*
Lentils	*	*	*	-	-	-	-	*	*
Vetch / Grass peas	-	-	-	-	-	*	*	*	*
Soya beans	-	-	-	-	-	-	-	*	*
Fenugreek	-	-	-	-	-	-	-	*	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	*	*	-	-	-	*	*	12,446	541
Neug	*	*	-	-	-	-	-	*	*
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	*	*
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	*	*	-	-	-	*	*	10,258	355
Vegetables	*	*	-	-	-	14,247	120	7,304	*
Lettuce	-	-	-	-	-	*	*	*	*
Head cabbage	*	*	-	-	-	5,083	*	*	*
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	*	*	-	-	-	*	*	-	-
Green peppers	-	-	-	-	-	4,566	16	*	*
Red peppers	-	-	-	-	-	*	*	*	*
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	-	*	*	21,676	762	*	*
Beetroot	*	*	-	-	-	*	*	*	*
Carrot	*	*	-	-	-	*	*	-	-
Onion	*	*	-	*	*	9,895	219	2,833	*
Potatoes	-	-	-	-	-	*	*	*	*
Garlic	*	*	-	-	-	*	*	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other Temporary	-	-	-	-	-	*	*	6,674	22
Permanent crops	-	-	-	-	-	13,412	*	*	*
Avocado	-	-	-	-	-	*	*	*	*
Bananas	-	-	-	-	-	*	*	-	-
Guava	-	-	-	-	-	-	-	-	-
Lemons	-	-	-	-	-	-	-	-	-
Mangoes	-	-	-	-	-	*	*	*	*
Oranges	-	-	-	-	-	*	*	-	-
Papayas	-	-	-	-	-	*	*	-	-
Pineapples	-	-	-	-	-	-	-	-	-
Stimulant	7,788	*	-	-	-	*	*	3,351	*
Chat	-	-	-	-	-	*	*	-	-
Coffee	7,788	*	-	-	-	*	*	3,351	*
Hops / 'Geshe'	-	-	-	*	*	18,720	221	*	*
Enset	-	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	*	*	-	-
Other permanent	-	-	-	-	-	*	*	*	*

Table1.3.7 Number of Holders, Inputs Applied Area and Quantity of Inputs used

West Gojjam

Crop type	All	All Fertilizers		Natural		DAP		
	Crop Area	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	601,878	465,938	716,379	350,315	48,529	314,638	161,091	145,374
Cereals	486,769	424,642	611,539	221,500	35,188	296,580	148,073	129,030
Teff	140,290	115,773	134,189	12,064	2,726	149,252	50,391	34,940
Barley	24,649	14,593	10,911	23,445	*	33,664	5,956	*
Wheat	38,275	35,216	53,410	*	*	57,969	12,994	14,747
Maize	202,664	195,330	360,755	197,172	22,401	96,253	22,824	25,679
Sorghum	*	*	*	*	*	-	-	-
Finger millet	75,055	63,684	52,184	*	*	152,329	55,908	45,507
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	*	*	-	*	*	-	-	-
Pulses	50,022	14,364	21,197	35,167	3,834	67,603	9,044	7,787
Horse / Faba beans	23,666	11,510	18,687	31,174	3,567	55,087	6,540	6,142
Field Peas	6,211	2,517	1,580	*	*	19,798	2,297	1,537
Haricot beans	708	*	*	*	*	-	-	-
Chick peas	5,756	*	*	-	-	*	*	*
Lentils	*	-	-	-	-	-	-	-
Vetch / Grass peas	10,150	*	*	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	*	*	*	*	*	*	*	*
Gibto	3,410	*	-	*	*	-	-	-
Oilseeds	37,503	5,310	37,620	35,700	1,107	16,563	1,067	3,139
Neug	14,750	957	*	*	*	2,784	*	*
Linseed	940	*	*	*	*	*	*	*
Groundnuts	*	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	*	*	*	-	-	-	-	-
Rapeseed	4,924	4,059	36,386	34,042	807	13,229	349	2,902
Vegetables	13,129	12,537	30,243	168,464	2,244	15,077	993	1,935
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	96	*	*	9,372	*	*	*	*
Ethiopian cabbage	*	*	-	*	*	-	-	-
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	4	*	-	*	*	-	-	-
Red peppers	13,024	12,452	30,100	160,121	2,209	13,975	978	1,913
Swiss chard	*	-	-	-	-	-	-	-
Root crops	3,959	3,000	5,658	89,605	747	37,113	1,818	2,717
Beetroot	20	*	*	7,797	11	*	*	*
Carrot	6	*	*	*	*	*	*	*
Onion	*	*	*	*	*	-	-	-
Potatoes	3,066	2,352	3,458	7,934	265	32,624	1,799	2,491
Garlic	572	486	2,129	67,910	*	3,931	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	-	*	*	-	-	-
Other Temporary	1,380	*	5,400	76,161	*	*	*	*
Permanent crops	486	294	*	39,289	290	*	*	*
Avocado	*	*	*	5,531	*	*	*	*
Bananas	*	*	*	19,659	*	*	*	*
Guava	24	15	*	8,442	15	*	*	*
Lemons	36	31	*	10,001	31	*	*	*
Mangoes	*	*	*	8,315	*	*	*	*
Oranges	*	*	*	4,410	*	*	*	*
Papayas	40	20	*	7,416	20	*	*	*
Pineapples	-	-	*	-	-	*	*	*
Stimulant	6,229	3,733	*	143,759	3,453	*	*	*
Chat	820	*	*	25,220	*	*	*	*
Coffee	*	*	*	32,338	*	*	*	*
Hops / 'Geshe'	2,736	2,123	*	126,271	1,881	*	*	*
Enset	-	-	*	-	-	*	*	*
Sugar cane	*	*	*	14,376	*	*	*	*
Other permanent	154	*	*	30,549	*	*	*	*

(Table 1.3.7 cont'd.)

West Gojjam

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	77,204	12,768	11,299	427,413	243,549	559,707	509,721	464,774	377,287
Cereals	49,521	11,682	8,871	421,844	229,699	473,639	486,194	352,835	316,084
Teff	*	*	*	129,295	58,225	97,164	325,065	139,546	92,314
Barley	-	-	-	11,225	1,251	2,754	102,347	24,523	57,485
Wheat	*	*	*	75,111	19,705	38,595	152,150	37,488	90,292
Maize	38,021	5,869	6,205	399,763	144,235	328,870	362,950	70,385	23,266
Sorghum	-	-	-	*	*	*	*	*	*
Finger millet	*	*	511	25,190	6,251	6,166	207,888	75,055	49,692
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	*	*	-
Pulses	3,390	*	301	28,804	1,192	13,109	240,257	50,004	52,527
Horse / Faba beans	*	*	*	27,102	1,147	12,288	169,749	23,648	29,739
Field Peas	*	*	*	-	-	-	48,657	6,211	6,062
Haricot beans	-	-	-	*	*	*	13,597	708	488
Chick peas	-	-	-	-	-	-	25,490	5,756	5,229
Lentils	-	-	-	-	-	-	*	*	*
Vetch / Grass peas	-	-	-	*	*	*	44,279	10,150	8,759
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	6,417	*	31
Gibto	-	-	-	-	-	-	20,576	3,410	2,158
Oilseeds	*	80	*	50,736	3,057	34,190	153,104	37,503	8,676
Neug	-	-	-	*	*	*	59,228	14,750	2,429
Linseed	*	*	*	-	-	-	12,711	940	383
Groundnuts	-	-	-	-	-	-	*	*	*
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	*	*	*	*	*	*
Rapeseed	*	*	*	49,028	2,841	33,201	90,940	4,924	*
Vegetables	31,145	502	735	76,175	8,799	27,573	311,764	10,976	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	*	*	*	*	*	*	21,376	*	-
Ethiopian cabbage	-	-	-	-	-	-	*	*	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	3,383	4	-
Red peppers	27,122	482	*	75,072	8,784	27,506	302,685	10,884	-
Swiss chard	-	-	-	-	-	-	*	*	-
Root crops	15,785	44	312	28,214	391	2,630	181,884	3,943	-
Beetroot	-	-	-	-	-	-	9,065	14	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	-	-	-	*	*	*	18,190	*	-
Potatoes	*	*	*	8,544	*	*	59,746	3,061	-
Garlic	15,069	39	242	18,586	105	*	121,140	572	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	*	*	-
Other Temporary	8,067	*	*	14,795	178	4,251	127,437	1,380	-
Permanent crops							44,934	424	
Avocado							3,865	*	
Bananas							24,465	*	
Guava							8,490	15	
Lemons							11,158	33	
Mangoes							9,006	*	
Oranges							6,662	*	
Papayas							8,459	*	
Pineapples							-	-	
Stimulant							230,174	5,309	
Chat							37,769	819	
Coffee							37,353	*	
Hops / 'Geshe'							211,070	2,703	
Enset							-	-	
Sugar cane							26,664	*	
Other permanent							43,351	153	

(Table 1.3.7 Cont'd.)

West Gojjam

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	382,917	137,104	33,703	107,439	48,254	55,297	*	447,370	368,946
Cereals	376,020	133,935	33,703	95,231	46,693	*	*	442,400	335,292
Teff	*	*	*	61,412	24,274	-	-	207,591	87,113
Barley	*	*	*	*	*	*	*	22,630	2,568
Wheat	*	*	*	37,749	12,305	-	-	84,647	20,416
Maize	375,469	132,279	31,089	3,307	1,121	*	*	426,340	167,395
Sorghum	-	-	-	-	-	-	-	*	*
Finger millet	-	-	-	28,683	8,939	-	-	150,072	55,543
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	-	*	*	*	*	97,198	15,014
Horse / Faba beans	*	*	-	*	*	*	*	78,086	9,262
Field Peas	-	-	-	-	-	-	-	21,846	3,104
Haricot beans	-	-	-	-	-	-	-	5,716	*
Chick peas	-	-	-	-	-	-	-	*	*
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	*	*	*	*	*	*
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	*	*
Gibto	-	-	-	-	-	-	-	*	*
Oilseeds	-	-	-	*	*	*	*	73,172	6,450
Neug	-	-	-	*	*	-	-	11,236	3,076
Linseed	-	-	-	-	-	-	-	*	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	*	*
Rapeseed	-	-	-	*	*	*	*	61,976	3,191
Vegetables	*	*	-	*	*	*	*	114,781	8,541
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	-	-	*	*	*	*
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	-	-	-	-	-	-	-	*	*
Green peppers	-	-	-	-	-	-	-	*	*
Red peppers	*	*	-	*	*	*	*	113,507	8,521
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	-	*	*	13,275	681	62,715	1,477
Beetroot	*	*	-	-	-	-	-	*	*
Carrot	*	*	-	-	-	*	*	*	*
Onion	-	-	-	*	*	*	*	*	*
Potatoes	*	*	-	-	-	*	642	27,632	1,315
Garlic	-	-	-	*	*	*	*	32,872	152
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	*	*	-	-
Other Temporary	-	-	-	*	*	*	*	32,053	404
Permanent crops				*	*	18,517	*	16,867	*
Avocado				*	*	*	*	*	*
Bananas				-	-	*	*	*	*
Guava				-	-	2,843	*	*	*
Lemons				-	-	3,335	*	*	*
Mangoes				*	*	*	*	*	*
Oranges				*	*	*	*	2,205	*
Papayas				-	-	*	*	5,050	*
Pineapples				-	-	-	-	-	-
Stimulant	*	*	-	*	*	24,502	*	22,566	*
Chat				*	*	11,150	*	6,311	*
Coffee	*	*	-	*	*	*	*	*	*
Hops / 'Gesho'				2,205	*	23,010	154	35,633	299
Enset				-	-	-	-	-	-
Sugar cane				-	-	*	*	*	*
Other permanent				-	-	*	*	*	*

Table1.3.8 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Waghamera

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	111,352	28,480	*	70,687	26,229	*	*	*
Cereals	89,535	24,961	*	66,852	22,709	*	*	*
Teff	24,407	6,353	*	24,672	5,897	-	-	-
Barley	15,900	3,766	-	20,225	3,766	-	-	-
Wheat	5,619	1,388	*	6,852	1,338	-	-	-
Maize	3,379	2,101	-	47,170	2,101	-	-	-
Sorghum	39,997	11,351	*	31,563	9,606	*	*	*
Finger millet	125	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	*	-	-	-	-	-	-	-
Pulses	13,887	2,659	-	21,418	2,659	-	-	-
Horse / Faba beans	5,240	1,496	-	14,093	1,496	-	-	-
Field Peas	3,800	549	-	6,008	549	-	-	-
Haricot beans	1,989	*	-	2,646	*	-	-	-
Chick peas	872	287	-	1,650	287	-	-	-
Lentils	1,919	73	-	1,408	73	-	-	-
Vetch / Grass peas	*	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	11	7	-	2,224	7	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	7,593	696	-	10,472	696	-	-	-
Neug	356	51	-	1,276	51	-	-	-
Linseed	806	222	-	4,652	222	-	-	-
Groundnuts	-	-	-	-	-	-	-	-
Safflower	344	*	-	*	*	-	-	-
Sesame	*	*	-	*	*	-	-	-
Rapeseed	*	*	-	*	*	-	-	-
Vegetables	*	15	-	6,900	15	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	2	2	-	1,310	2	-	-	-
Ethiopian cabbage	*	*	-	*	*	-	-	-
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	*	6	-	4,579	6	-	-	-
Red peppers	*	*	-	*	*	-	-	-
Swiss chard	*	*	-	*	*	-	-	-
Root crops	162	84	-	14,328	84	-	-	-
Beetroot	*	*	-	*	*	-	-	-
Carrot	*	-	-	-	-	-	-	-
Onion	*	*	-	*	*	-	-	-
Potatoes	69	46	-	7,215	46	-	-	-
Garlic	48	36	-	10,757	36	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	*	-	-	-	-	-	-	-
Other Temporary	50	38	-	13,857	38	-	-	-
Permanent crops	*	*		*	*			
Avocado	*	*		*	*			
Bananas	*	*		*	*			
Guava	*	*		*	*			
Lemons	*	*		*	*			
Mangoes	-	-		-	-			
Oranges	*	*		*	*			
Papayas	*	*		*	*			
Pineapples	-	-		-	-			
Stimulant	*	*		1,319	*			
Chat	*	*		*	*			
Coffee	*	*		730	*			
Hops / 'Geshe'	*	*		*	*			
Enset	-	-		-	-			
Sugar cane	*	*		*	*			
Other permanent	*	*		*	*			

(Table 1.3.8 cont'd.)

Waghamera

[illegible]

(Table 1.3.8 Cont'd.)

Waghamera

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	1,241	259	*	*	*	4,276	*	1,325	335
Cereals	1,241	252	*	*	*	*	*	1,092	328
Teff	*	*	*	-	-	*	*	*	*
Barley	-	-	-	-	-	-	-	*	*
Wheat	*	*	*	-	-	*	*	*	*
Maize	-	-	-	*	*	*	*	*	*
Sorghum	-	-	-	*	-	*	*	*	*
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	-	-	*	*	-	-
Horse / Faba beans	-	-	-	-	-	*	*	-	-
Field Peas	-	-	-	-	-	*	-	-	-
Haricot beans	-	-	-	-	-	*	*	-	-
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	*	*	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	*	*	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	*	*	-	*	*	1,371	*	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	*	*	*	*	-	-
Ethiopian cabbage	*	*	-	-	-	*	*	*	*
Tomatoes	*	*	-	-	-	*	*	*	*
Green peppers	-	-	-	-	-	*	*	-	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	-	-	-	*	*	*	*
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	*	*	-	-	-	*	*	*	*
Potatoes	*	*	-	-	-	*	*	*	*
Garlic	-	-	-	-	-	*	*	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	*	*	-	-
Other Temporary	-	-	-	-	-	*	*	-	-
Permanent crops	-	-	-	-	-	1,629	*	*	*
Avocado	-	-	-	-	-	*	*	-	-
Bananas	-	-	-	-	-	*	*	*	*
Guava	-	-	-	-	-	*	*	-	-
Lemons	-	-	-	-	-	*	*	-	-
Mangoes	-	-	-	-	-	-	-	-	-
Oranges	-	-	-	-	-	*	*	-	-
Papayas	-	-	-	-	-	*	*	-	-
Pineapples	-	-	-	-	-	-	-	-	-
Stimulant	-	-	-	-	-	*	*	-	-
Chat	-	-	-	-	-	*	*	-	-
Coffee	-	-	-	-	-	*	*	-	-
Hops / 'Gesho'	-	-	-	-	-	*	-	-	-
Enset	-	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	*	*	-	-
Other permanent	-	-	-	-	-	*	*	-	-

Table1.3.9 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Awi

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	281,805	187,583	185,200	146,068	29,827	105,622	71,416	47,702
Cereals	220,234	171,353	158,738	105,599	24,973	101,653	67,693	43,139
Teff	69,034	51,041	30,828	19,999	4,464	65,051	29,464	17,756
Barley	10,650	7,851	3,238	31,009	4,652	*	*	*
Wheat	22,661	21,787	29,093	14,240	2,075	9,075	1,791	2,166
Maize	57,527	52,886	73,982	87,423	10,521	28,580	4,315	3,644
Sorghum	*	-	-	-	-	-	-	-
Finger millet	43,229	37,690	21,530	11,219	*	62,978	30,028	17,671
Oats / 'Aja'	*	-	-	-	-	-	-	-
Rice	*	*	*	*	*	-	-	-
Pulses	13,337	4,741	*	18,652	1,774	12,936	*	*
Horse / Faba beans	3,564	2,419	*	8,777	692	*	*	*
Field Peas	2,151	1,346	*	6,120	581	*	*	*
Haricot beans	*	*	-	*	*	-	-	-
Chick peas	*	*	-	*	*	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	*	*	*	-	-	-	-	-
Fenugreek	*	*	-	*	*	-	-	-
Gibto	5,329	*	*	-	-	*	*	*
Oilseeds	35,987	3,020	*	18,335	489	7,751	702	1,045
Neug	15,935	*	*	-	-	1,262	*	*
Linseed	193	*	-	*	*	-	-	-
Groundnuts	*	*	*	-	-	*	*	*
Safflower	*	*	-	*	*	-	-	-
Sesame	*	*	*	-	-	*	*	*
Rapeseed	1,369	1,271	*	17,965	486	5,884	169	*
Vegetables	5,633	4,529	*	40,018	480	2,167	*	*
Lettuce	*	*	-	*	*	-	-	-
Head cabbage	*	*	*	*	*	-	-	-
Ethiopian cabbage	*	*	*	*	*	-	-	-
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	12	10	-	4,232	10	-	-	-
Red peppers	5,550	*	*	32,675	420	2,167	*	*
Swiss chard	*	*	-	*	*	-	-	-
Root crops	3,324	2,988	1,811	57,600	1,442	10,161	*	*
Beetroot	*	*	-	*	*	-	-	-
Carrot	*	-	-	-	-	-	-	-
Onion	*	*	*	6,003	*	-	-	-
Potatoes	2,884	2,604	1,750	24,132	1,064	10,161	*	*
Garlic	192	172	-	35,353	172	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	*	*	*	-	-	-
Other Temporary	441	311	1,917	26,504	142	*	*	*
Permanent crops	63	37		8,317	37			
Avocado	*	*		*	*			
Bananas	17	9		2,881	9			
Guava	*	*		*	*			
Lemons	10	*		1,896	*			
Mangoes	8	*		*	*			
Oranges	*	*		*	*			
Papayas	*	*		*	*			
Pineapples	-	-		-	-			
Stimulant	*	420		43,257	402			
Chat	*	*		*	*			
Coffee	*	*		12,384	*			
Hops / 'Geshe'	*	225		36,663	210			
Enset	-	-		-	-			
Sugar cane	134	*		4,520	*			
Other permanent	*	*		18,286	43			

(Table 1.3.9 cont'd.)

Aw

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	12,552	4,726	2,490	133,591	81,614	135,008	208,131	241,296	181,660
Cereals	8,297	3,022	1,991	130,845	75,665	113,608	198,370	180,091	161,973
Teff	2,536	1,186	*	38,207	15,927	12,526	133,264	68,432	51,192
Barley	*	*	*	5,602	697	*	53,049	10,650	25,395
Wheat	2,195	549	393	52,377	17,372	26,534	69,898	20,239	48,379
Maize	2,740	*	*	102,996	37,519	69,913	149,459	20,407	6,152
Sorghum	-	-	-	-	-	-	*	*	*
Finger millet	*	*	*	9,729	4,096	3,439	93,026	43,229	27,598
Oats / 'Aja'	-	-	-	-	-	-	*	*	*
Rice	-	-	-	*	*	*	*	*	*
Pulses	*	*	*	3,323	*	1,248	64,063	13,030	11,018
Horse / Faba beans	*	*	*	*	*	*	28,452	3,433	3,933
Field Peas	*	*	*	*	*	*	19,495	1,975	1,786
Haricot beans	-	-	-	-	-	-	*	*	*
Chick peas	-	-	-	-	-	-	*	*	*
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	*	*	*	*	*	*
Fenugreek	-	-	-	-	-	-	*	*	*
Gibto	*	*	*	*	*	*	21,788	5,329	3,379
Oilseeds	1,979	*	*	14,346	613	*	87,982	35,987	8,669
Neug	-	-	-	-	-	-	31,263	15,935	3,075
Linseed	-	-	-	-	-	-	3,290	193	*
Groundnuts	-	-	-	-	-	-	*	*	*
Safflower	-	-	-	-	-	-	*	*	*
Sesame	*	*	*	-	-	-	*	*	*
Rapeseed	*	*	*	14,346	613	*	39,904	1,369	*
Vegetables	2,583	*	*	22,532	*	*	78,134	5,633	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	*	*	*	-	-	-	*	*	-
Ethiopian cabbage	-	-	-	*	*	*	4,849	*	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	5,472	12	-
Red peppers	2,583	*	*	22,228	*	*	68,006	5,550	-
Swiss chard	-	-	-	-	-	-	*	*	-
Root crops	*	*	*	8,569	567	1,000	85,131	3,322	-
Beetroot	-	-	-	-	-	-	*	*	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	*	*	*	-	-	-	6,330	*	-
Potatoes	*	*	*	8,264	561	941	49,718	2,883	-
Garlic	-	-	-	-	-	-	41,853	192	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	*	*	*	10,498	*	-
Other Temporary	*	*	*	5,775	*	1,820	42,150	384	-
Permanent crops							18,671	63	
Avocado							*	*	
Bananas							4,414	17	
Guava							*	*	
Lemons							4,047	10	
Mangoes							5,850	8	
Oranges							5,125	*	
Papayas							*	*	
Pineapples							-	-	
Stimulant							76,396	*	
Chat							*	*	
Coffee							22,590	*	
Hops / 'Geshe'							64,294	*	
Enset							-	-	
Sugar cane							11,699	134	
Other permanent							27,090	*	

(Table 1.3.9 Cont'd.)

Aw

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	105,224	40,509	15,477	21,313	10,647	13,456	*	149,420	129,262
Cereals	104,625	40,143	15,193	20,325	10,579	4,838	*	146,873	117,241
Teff	*	*	*	*	*	-	-	70,017	35,451
Barley	-	-	-	*	*	*	*	10,167	1,643
Wheat	*	*	*	11,668	3,784	*	*	49,708	15,189
Maize	103,711	37,120	9,690	1,720	*	*	*	122,976	42,615
Sorghum	-	-	-	-	-	-	-	-	-
Finger millet	-	-	-	*	*	-	-	47,060	22,264
Oats / 'Aja'	-	-	-	-	-	-	-	*	*
Rice	-	-	-	-	-	-	-	*	*
Pulses	*	*	*	-	-	-	-	16,408	2,464
Horse / Faba beans	*	*	*	-	-	-	-	*	1,578
Field Peas	*	*	*	-	-	-	-	5,880	447
Haricot beans	-	-	-	-	-	-	-	-	-
Chick peas	-	-	-	-	-	-	-	*	*
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	*	*
Oilseeds	-	-	-	-	-	*	*	27,480	4,543
Neug	-	-	-	-	-	-	-	*	*
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	*	*
Rapeseed	-	-	-	-	-	*	*	20,204	871
Vegetables	-	-	-	*	*	*	*	27,122	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	*	*	-	-
Ethiopian cabbage	-	-	-	*	*	-	-	*	*
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	-	-	-	-
Red peppers	-	-	-	*	*	*	*	26,518	*
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	-	-	-	*	*	10,151	*
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	*	*	*	*
Potatoes	*	*	-	-	-	*	*	8,943	*
Garlic	*	*	-	-	-	*	*	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	-	-	-	*	*	*	*
Other Temporary	*	*	-	-	-	*	*	6,161	*
Permanent crops	-	-	-	-	-	2,794	*	*	*
Avocado	-	-	-	-	-	*	*	-	-
Bananas	-	-	-	-	-	*	*	-	-
Guava	-	-	-	-	-	*	*	-	-
Lemons	-	-	-	-	-	*	*	-	-
Mangoes	-	-	-	-	-	*	*	-	-
Oranges	-	-	-	-	-	*	*	*	*
Papayas	-	-	-	-	-	*	*	-	-
Pineapples	-	-	-	-	-	-	-	-	-
Stimulant	*	*	-	-	-	5,865	*	*	*
Chat	-	-	-	-	-	*	*	*	*
Coffee	-	-	-	-	-	5,195	75	*	*
Hops / 'Geshe'	-	-	-	*	*	*	*	*	*
Enset	-	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	*	*	*	*
Other permanent	-	-	-	*	*	*	*	*	*

Table1.3.10 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Oromia Zone

Crop type	All	All Fertilizers		Natural		DAP		
	Crop Area	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	60,483	18,051	*	55,364	17,753	*	*	*
Cereals	51,400	14,730	*	44,554	14,437	*	*	*
Teff	9,796	1,382	*	7,557	1,292	*	*	*
Barley	684	345	-	3,310	345	-	-	-
Wheat	*	*	-	*	*	-	-	-
Maize	5,919	2,006	*	28,834	1,803	-	-	-
Sorghum	34,719	10,908	-	25,218	10,908	-	-	-
Finger millet	*	*	-	*	*	-	-	-
Oats / 'Aja'	*	*	-	*	*	-	-	-
Rice	-	-	-	-	-	-	-	-
Pulses	2,320	564	-	6,582	564	-	-	-
Horse / Faba beans	*	*	-	*	*	-	-	-
Field Peas	*	*	-	*	*	-	-	-
Haricot beans	889	99	-	2,075	99	-	-	-
Chick peas	886	*	-	1,865	*	-	-	-
Lentils	*	*	-	*	*	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	*	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	2,628	839	*	11,304	835	-	-	-
Neug	*	-	-	-	-	-	-	-
Linseed	110	*	-	*	*	-	-	-
Groundnuts	345	*	-	*	*	-	-	-
Safflower	258	113	*	3,504	109	-	-	-
Sesame	1,856	*	-	5,180	*	-	-	-
Rapeseed	*	*	-	*	*	-	-	-
Vegetables	302	130	-	8,456	130	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-
Ethiopian cabbage	*	4	-	1,409	4	-	-	-
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	*	*	-	*	*	-	-	-
Red peppers	197	*	-	*	*	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
Root crops	17	*	-	4,385	*	-	-	-
Beetroot	-	-	-	-	-	-	-	-
Carrot	*	*	-	*	*	-	-	-
Onion	*	*	-	*	*	-	-	-
Potatoes	-	-	-	-	-	-	-	-
Garlic	*	*	-	2,676	*	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	-	*	*	-	-	-
Other Temporary	*	*	-	8,121	*	-	-	-
Permanent crops	255	118		15,447	118			
Avocado	*	*		*	*			
Bananas	*	*		3,469	*			
Guava	41	16		2,879	16			
Lemons	15	*		1,312	*			
Mangoes	41	19		3,693	19			
Oranges	95	32		6,789	32			
Papayas	23	17		5,454	17			
Pineapples	*	*		*	*			
Stimulant	3,079	1,476		18,041	1,476			
Chat	1,902	908		13,173	908			
Coffee	1,177	568		11,211	568			
Hops / 'Geshe'	-	-		-	-			
Enset	-	-		-	-			
Sugar cane	*	*		*	*			
Other permanent	*	*		1,111	*			

(Table 1.3.10 cont'd.)

Oromia Zone

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	*	*	*	*	*	*	90,802	59,567	15,703
Cereals	*	*	*	*	*	*	81,708	50,501	14,204
Teff	-	-	-	*	*	*	32,367	9,160	2,881
Barley	-	-	-	-	-	-	6,953	684	703
Wheat	-	-	-	-	-	-	*	*	*
Maize	*	*	*	-	-	-	52,882	5,656	2,511
Sorghum	-	-	-	-	-	-	67,988	34,718	7,926
Finger millet	-	-	-	-	-	-	*	*	*
Oats / 'Aja'	-	-	-	-	-	-	*	*	*
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	-	-	-	17,431	2,320	1,055
Horse / Faba beans	-	-	-	-	-	-	*	*	*
Field Peas	-	-	-	-	-	-	*	*	*
Haricot beans	-	-	-	-	-	-	8,509	889	218
Chick peas	-	-	-	-	-	-	5,053	886	460
Lentils	-	-	-	-	-	-	1,620	*	*
Vetch / Grass peas	-	-	-	-	-	-	*	-	*
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	*	*	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	*	*	*	29,627	2,628	444
Neug	-	-	-	-	-	-	*	*	*
Linseed	-	-	-	-	-	-	3,346	110	22
Groundnuts	-	-	-	-	-	-	6,070	345	138
Safflower	-	-	-	*	*	*	8,164	258	33
Sesame	-	-	-	-	-	-	17,617	1,856	242
Rapeseed	-	-	-	-	-	-	*	*	*
Vegetables	-	-	-	-	-	-	16,037	302	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	2,352	*	-
Tomatoes	-	-	-	-	-	-	1,530	*	-
Green peppers	-	-	-	-	-	-	5,509	*	-
Red peppers	-	-	-	-	-	-	7,711	197	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	-	-	-	-	-	-	4,414	12	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	-	-	-	-	-	-	*	*	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	2,993	*	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	*	*	-
Other Temporary	-	-	-	-	-	-	13,943	*	-
Permanent crops							25,065	245	
Avocado							*	*	
Bananas							5,872	*	
Guava							4,858	41	
Lemons							3,269	15	
Mangoes							6,096	34	
Oranges							10,257	92	
Papayas							8,055	22	
Pineapples							*	*	
Stimulant							25,517	3,079	
Chat							21,080	1,902	
Coffee							15,176	1,177	
Hops / 'Gesho'							-	-	
Enset							-	-	
Sugar cane							*	*	
Other permanent							1,693	*	

(Table 1.3.10 Cont'd.)

Oromia Zone

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	4,570	*	*	15,537	7,339	5,357	*	3,822	1,580
Cereals	2,350	*	*	11,208	6,541	*	*	3,509	1,438
Teff	*	*	*	2,289	*	-	-	1,680	*
Barley	-	-	-	*	*	-	-	*	*
Wheat	-	-	-	*	*	-	-	-	-
Maize	*	*	*	*	*	*	*	*	*
Sorghum	*	*	*	9,235	5,712	*	*	1,816	771
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	*	*	-	-	*	*
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	*	*	-	-	-	-
Chick peas	-	-	-	*	*	-	-	*	*
Lentils	-	-	-	*	*	-	-	-	-
Vetch / Grass peas	-	-	-	*	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	*	*	*	-	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	*	*
Sesame	-	-	-	*	*	*	-	*	*
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	-	-	-	-	-	*	*	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	*	*	-	-
Tomatoes	-	-	-	-	-	*	*	-	-
Green peppers	-	-	-	-	-	-	-	*	*
Red peppers	-	-	-	-	-	*	*	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	-	-	-	*	*	*	*
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	*	*	-	-
Onion	-	-	-	-	-	*	*	-	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	-	-	-	-	-	*	*
Other Temporary	*	*	-	-	-	-	-	-	-
Permanent crops				*	*	*	31	*	*
Avocado				-	-	-	-	-	-
Bananas				-	-	*	*	*	*
Guava				-	-	*	*	-	-
Lemons				*	*	*	*	-	-
Mangoes				-	-	1,145	*	*	*
Oranges				*	*	*	*	-	-
Papayas				-	-	*	*	*	*
Pineapples				-	-	-	-	-	-
Stimulant	-	-	-	5,297	*	4,229	*	*	*
Chat				5,297	*	*	*	*	*
Coffee	-	-	-	*	*	*	*	*	*
Hops / 'Gesho'				-	-	-	-	-	-
Enset				-	-	-	-	-	-
Sugar cane				-	-	*	-	-	-
Other permanent				-	-	-	-	-	-

Table1.3.11 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Argoba special

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	5,150	2,468	-	5,289	2,468	-	-	-
Cereals	4,515	2,255	-	5,105	2,255	-	-	-
Teff	486	116	-	631	116	-	-	-
Barley	27	22	-	298	22	-	-	-
Wheat	16	*	-	135	*	-	-	-
Maize	453	208	-	2,348	208	-	-	-
Sorghum	3,513	1,879	-	4,547	1,879	-	-	-
Finger millet	*	*	-	132	*	-	-	-
Oats / 'Aja'	13	*	-	99	*	-	-	-
Rice	*	*	-	*	*	-	-	-
Pulses	156	78	-	1,004	78	-	-	-
Horse / Faba beans	*	*	-	*	*	-	-	-
Field Peas	29	*	-	163	*	-	-	-
Haricot beans	82	44	-	674	44	-	-	-
Chick peas	29	*	-	109	*	-	-	-
Lentils	14	7	-	129	7	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	*	*	-	*	*	-	-	-
Fenugreek	*	*	-	*	*	-	-	-
Gibto	*	*	-	*	*	-	-	-
Oilseeds	414	109	-	847	109	-	-	-
Neug	*	*	-	*	*	-	-	-
Linseed	6	*	-	91	*	-	-	-
Groundnuts	*	-	-	-	-	-	-	-
Safflower	34	*	-	398	*	-	-	-
Sesame	369	95	-	451	95	-	-	-
Rapeseed	-	-	-	-	-	-	-	-
Vegetables	35	12	-	790	12	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-
Ethiopian cabbage	*	*	-	*	*	-	-	-
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	*	*	-	92	*	-	-	-
Red peppers	34	11	-	643	11	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
Root crops	*	*	-	139	*	-	-	-
Beetroot	-	-	-	-	-	-	-	-
Carrot	*	*	-	*	*	-	-	-
Onion	*	*	-	77	*	-	-	-
Potatoes	*	*	-	*	*	-	-	-
Garlic	*	*	-	*	*	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	-	*	*	-	-	-
Other Temporary	10	*	-	249	*	-	-	-
Permanent crops	5	4	-	274	4	-	-	-
Avocado	*	-	-	-	-	-	-	-
Bananas	*	*	-	*	*	-	-	-
Guava	*	*	-	110	*	-	-	-
Lemons	*	*	-	*	*	-	-	-
Mangoes	*	*	-	*	*	-	-	-
Oranges	*	*	-	*	*	-	-	-
Papayas	1	*	-	145	*	-	-	-
Pineapples	-	-	-	-	-	-	-	-
Stimulant	*	5	-	416	5	-	-	-
Chat	*	*	-	189	*	-	-	-
Coffee	3	3	-	267	3	-	-	-
Hops / 'Geshe'	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	-	-	-
Other permanent	*	*	-	*	*	-	-	-

(Table 1.3.11 ont'd.)

Argoba Special

[illegible]

(Table 1.3.11 Cont'd.)

Argoba Special

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	*	*	*	1,926	852	395	45	*	*
Cereals	*	*	*	1,871	830	171	41	*	*
Teff	-	-	-	*	*	*	*	-	-
Barley	-	-	-	*	*	-	-	-	-
Wheat	*	*	*	*	*	-	-	-	-
Maize	-	-	-	417	33	*	*	-	-
Sorghum	-	-	-	1,817	794	77	16	*	*
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	*	*	-	-	-	-
Pulses	-	-	-	181	10	-	-	-	-
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	*	*	-	-	-	-
Haricot beans	-	-	-	109	*	-	-	-	-
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	*	*	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	*	*	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	177	11	*	-	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	*	*	-	-	-	-
Sesame	-	-	-	159	11	*	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	-	-	-	*	*	*	*	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	*	*	-	-	-	-
Red peppers	-	-	-	*	*	*	*	*	*
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	-	-	-	-	-	*	*	-	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	*	*	-	-
Onion	-	-	-	-	-	*	*	-	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	*	*	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other Temporary	-	-	-	*	*	-	-	-	-
Permanent crops	-	-	-	*	*	110	*	-	-
Avocado	-	-	-	-	-	-	-	-	-
Bananas	-	-	-	-	-	-	-	-	-
Guava	-	-	-	*	*	92	*	-	-
Lemons	-	-	-	-	-	-	-	-	-
Mangoes	-	-	-	-	-	*	*	-	-
Oranges	-	-	-	-	-	*	*	-	-
Papayas	-	-	-	*	*	*	*	-	-
Pineapples	-	-	-	-	-	-	-	-	-
Stimulant	-	-	-	*	*	188	1	-	-
Chat	-	-	-	-	-	*	*	-	-
Coffee	-	-	-	*	*	129	1	-	-
Hops / 'Gesho'	-	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	-	-	-	-
Other permanent	-	-	-	-	-	*	*	-	-

Table1.4 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Oromia Region

Crop type	All	All Fertilizers		Natural		DAP		
	Crop Area	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	6,218,884	3,178,874	2,318,569	3,118,821	747,761	1,616,069	1,282,425	836,566
Cereals	4,576,387	2,740,425	2,080,458	1,981,436	498,623	1,544,892	1,176,175	750,215
Teff	1,289,405	882,311	682,430	195,277	42,116	656,361	353,425	190,794
Barley	513,707	305,522	185,956	346,619	47,466	483,898	218,844	145,958
Wheat	815,976	655,542	601,807	237,146	34,616	646,083	396,991	279,619
Maize	1,109,276	659,381	537,437	1,534,827	235,066	465,994	153,980	104,005
Sorghum	739,361	193,782	45,569	576,131	135,196	86,455	20,857	9,444
Finger millet	81,809	30,620	18,944	20,555	2,541	72,049	22,147	15,683
Oats / 'Aja'	24,494	11,785	7,159	22,676	1,297	37,661	9,886	4,638
Rice	2,358	*	*	*	*	*	*	*
Pulses	552,162	151,657	64,718	729,369	68,304	262,618	63,113	41,167
Horse / Faba beans	199,063	66,033	23,369	332,029	33,668	144,204	27,845	18,369
Field Peas	77,606	29,773	16,023	64,335	6,444	68,618	16,442	10,229
Haricot beans	112,780	42,105	20,905	317,986	20,834	71,523	16,843	11,907
Chick peas	85,119	3,339	681	27,027	2,558	*	*	*
Lentils	26,560	4,999	3,162	13,854	636	16,817	943	388
Vetch / Grass peas	40,691	1,762	79	15,294	1,484	*	*	*
Soya beans	4,836	*	*	12,701	*	*	*	*
Fenugreek	5,304	2,254	369	88,990	1,357	5,556	500	99
Gibto	204	*	-	*	*	-	-	-
Oilseeds	307,313	31,251	14,929	185,545	15,835	44,125	6,655	3,022
Neug	158,748	7,319	1,013	17,672	3,686	5,736	*	604
Linseed	40,778	4,926	*	48,896	1,734	23,636	*	1,049
Groundnuts	32,968	9,751	*	37,977	4,460	5,219	313	360
Safflower	*	*	*	*	*	*	*	*
Sesame	70,239	6,918	794	23,745	4,638	1,451	*	*
Rapeseed	3,655	2,116	4,431	61,042	1,286	8,061	422	771
Vegetables	50,614	29,555	32,636	996,103	11,464	53,327	3,669	6,136
Lettuce	26	20	*	3,483	*	-	-	-
Head cabbage	1,108	808	*	79,108	610	*	*	*
Ethiopian cabbage	9,015	5,128	*	622,483	4,918	8,296	54	103
Tomatoes	3,720	1,805	3,074	14,364	*	*	*	*
Green peppers	2,430	1,114	*	238,548	1,018	5,277	*	39
Red peppers	34,285	20,654	27,275	208,103	4,558	36,329	3,368	5,361
Swiss chard	30	26	*	13,900	26	-	-	-
Root crops	83,278	51,928	40,955	994,632	23,339	151,568	20,199	20,691
Beetroot	932	639	318	92,347	519	5,561	*	243
Carrot	*	*	*	34,893	*	*	*	*
Onion	12,055	9,537	10,586	124,529	1,770	21,927	*	3,762
Potatoes	24,343	21,322	24,726	122,678	3,638	103,949	12,938	15,718
Garlic	4,110	3,156	562	299,521	2,823	10,019	*	314
Taro 'Godere'	6,749	3,049	*	214,791	3,033	*	*	-
Sweet potatoes	33,733	13,061	4,536	303,957	10,405	19,958	1,097	619
Other Temporary	25,507	11,619	2,989	572,403	9,664	19,589	*	1,670
Permanent crops	19,963	5,281		449,428	5,098			
Avocado	2,229	646		110,263	639			
Bananas	10,668	3,168		290,271	3,127			
Guava	*	60		24,059	60			
Lemons	*	*		2,219	*			
Mangoes	3,792	759		92,593	651			
Oranges	1,205	206		37,431	185			
Papayas	881	428		85,733	422			
Pineapples	*	*		*	*			
Stimulant	503,565	113,172		1,081,153	72,024			
Chat	148,532	79,334		628,401	43,256			
Coffee	351,171	31,902		518,750	26,893			
Hops / 'Geshe'	3,862	1,936		188,238	1,875			
Enset	90,862	41,114		891,830	40,987			
Sugar cane	7,391	1,994		143,556	1,776			
Other permanent	1,842	878		107,525	647			

(Table 1.4 cont'd.)

Oromia Region

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	294,305	138,823	117,754	1,234,882	1,009,865	1,364,249	5,413,695	5,854,755	4,825,809
Cereals	250,268	104,545	72,700	1,213,362	961,081	1,257,543	5,020,821	4,237,959	4,059,690
Teff	78,095	40,150	19,145	598,013	446,620	472,491	2,312,238	1,278,195	720,813
Barley	11,199	1,961	1,261	120,715	37,251	38,737	1,509,045	501,446	984,847
Wheat	37,266	6,639	5,563	469,623	217,297	316,625	1,793,612	774,923	1,669,587
Maize	107,746	20,930	22,049	529,466	249,404	411,383	3,238,174	835,516	390,795
Sorghum	82,907	29,114	22,004	48,852	8,615	14,120	2,191,239	739,219	220,015
Finger millet	*	*	*	6,453	*	*	377,020	81,809	31,551
Oats / 'Aja'	*	*	*	*	*	*	156,163	24,494	38,032
Rice	*	*	*	*	*	*	20,752	2,357	4,050
Pulses	30,814	2,977	4,133	88,635	17,264	19,417	2,393,791	548,292	679,563
Horse / Faba beans	3,085	*	*	30,365	3,847	4,723	1,195,958	198,342	292,923
Field Peas	*	*	*	27,362	6,701	5,714	414,350	77,374	105,051
Haricot beans	17,284	1,284	*	25,080	3,144	5,766	930,806	111,873	92,063
Chick peas	*	*	*	*	*	*	249,329	84,360	103,505
Lentils	3,201	293	142	16,151	3,126	2,632	181,374	25,387	29,514
Vetch / Grass peas	*	*	*	*	*	*	190,733	40,649	50,848
Soya beans	-	-	-	*	*	*	35,425	4,800	2,926
Fenugreek	6,420	*	147	3,974	140	123	181,987	5,304	2,596
Gibto	-	-	-	-	-	-	2,670	204	*
Oilseeds	27,438	6,153	*	26,156	2,608	7,309	1,047,206	306,810	86,555
Neug	*	*	*	*	*	*	391,762	158,748	26,712
Linseed	4,448	*	*	*	*	*	294,321	40,275	29,583
Groundnuts	*	*	*	*	*	*	160,531	32,968	19,653
Safflower	-	-	-	*	*	*	10,774	*	*
Sesame	3,312	*	*	*	*	*	230,703	70,239	9,640
Rapeseed	*	*	*	8,656	402	3,601	117,672	3,655	871
Vegetables	26,771	4,317	*	36,440	*	*	1,679,252	49,891	-
Lettuce	-	-	-	*	*	*	5,818	26	-
Head cabbage	*	*	*	2,645	21	*	130,379	1,061	-
Ethiopian cabbage	2,862	*	*	*	*	*	937,023	9,010	-
Tomatoes	*	*	*	3,219	*	2,983	33,846	3,126	-
Green peppers	*	*	*	*	*	*	363,411	2,422	-
Red peppers	21,992	*	*	28,357	*	*	513,603	34,216	-
Swiss chard	-	-	-	*	*	*	16,722	30	-
Root crops	37,770	2,153	3,139	58,009	6,237	17,125	1,917,324	82,523	-
Beetroot	-	-	-	*	*	*	142,651	897	-
Carrot	-	-	-	-	-	-	49,828	*	-
Onion	3,767	*	125	9,719	1,793	6,699	240,081	11,437	-
Potatoes	*	*	*	31,194	3,824	7,412	317,897	24,282	-
Garlic	2,268	*	*	3,355	*	*	422,281	4,100	-
Taro 'Godere'	-	-	-	*	*	*	385,007	6,744	-
Sweet potatoes	16,228	*	*	15,784	518	2,606	776,866	33,721	-
Other Temporary	4,162	*	*	7,561	165	830	947,272	25,486	-
Permanent crops							986,972	19,665	
Avocado							222,967	2,031	
Bananas							688,246	10,587	
Guava							66,364	*	
Lemons							13,501	*	
Mangoes							285,460	3,782	
Oranges							103,619	1,201	
Papayas							172,990	875	
Pineapples							3,303	*	
Stimulant							2,502,493	484,433	
Chat							1,419,746	148,457	
Coffee							1,466,146	332,119	
Hops / 'Geshe'							347,707	3,856	
Enset							1,410,354	90,553	
Sugar cane							330,637	7,381	
Other permanent							213,600	1,764	

(Table 1.4 Cont'd.)

Oromia Region

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	804,963	363,272	180,282	2,074,714	1,687,142	330,847	67,155	1,011,334	679,854
Cereals	668,701	337,635	175,865	2,003,325	1,627,552	158,598	24,322	949,283	619,029
Teff	24,818	11,188	4,385	1,229,245	734,615	10,874	1,860	147,457	70,445
Barley	16,213	*	*	498,567	208,852	14,321	*	141,201	67,447
Wheat	95,018	41,053	84,326	1,014,048	557,978	4,260	*	261,178	197,950
Maize	554,209	273,065	66,498	149,125	70,104	106,693	10,640	600,438	256,242
Sorghum	*	*	*	81,276	30,276	62,285	8,663	84,971	20,287
Finger millet	*	-	*	55,117	14,227	-	-	3,027	407
Oats / 'Aja'	-	-	-	56,000	11,423	*	*	20,276	6,030
Rice	*	*	*	*	*	-	-	*	*
Pulses	14,261	3,858	4,013	108,118	31,476	19,575	768	105,133	25,455
Horse / Faba beans	4,443	722	753	45,061	8,263	4,358	*	40,210	6,957
Field Peas	*	*	*	26,004	6,329	-	-	11,401	*
Haricot beans	3,648	*	*	9,203	1,298	13,383	*	49,203	6,664
Chick peas	*	*	*	17,679	*	*	*	*	*
Lentils	3,655	*	*	24,676	4,887	-	-	13,419	2,995
Vetch / Grass peas	*	*	*	*	*	*	*	*	*
Soya beans	*	*	*	-	-	-	-	-	-
Fenugreek	-	-	-	*	*	*	*	7,603	*
Gibto	-	-	-	*	*	-	-	-	-
Oilseeds	*	*	*	18,844	2,880	*	*	36,150	4,327
Neug	-	-	-	2,767	*	-	-	*	*
Linseed	*	*	*	14,892	2,256	*	*	*	1,852
Groundnuts	-	-	-	-	-	*	*	5,447	*
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	*	*	*	*	*	*
Rapeseed	-	-	-	*	*	*	*	9,255	402
Vegetables	13,872	*	-	21,383	1,657	34,885	3,045	22,547	1,115
Lettuce	*	*	-	-	-	*	*	*	*
Head cabbage	7,387	48	-	*	*	2,051	*	2,922	*
Ethiopian cabbage	*	*	-	9,330	*	8,353	*	11,954	330
Tomatoes	5,386	*	-	3,890	*	11,066	2,559	3,162	*
Green peppers	*	*	-	4,470	*	12,267	127	4,185	54
Red peppers	*	*	-	2,912	*	5,378	115	*	*
Swiss chard	*	*	-	-	-	*	*	*	*
Root crops	20,064	*	-	92,153	18,459	92,256	6,033	72,872	6,120
Beetroot	5,552	36	-	*	*	4,699	25	3,468	16
Carrot	2,520	*	-	-	-	*	*	1,934	*
Onion	8,650	*	-	21,221	*	19,224	2,178	12,748	*
Potatoes	*	*	-	63,660	11,599	*	*	29,906	*
Garlic	*	*	-	7,550	*	7,772	*	8,415	48
Taro 'Godere'	*	-	-	-	-	*	*	*	*
Sweet potatoes	*	*	-	2,376	*	53,330	2,197	21,842	681
Other Temporary	1,576	*	-	8,233	573	16,781	172	12,043	391
Permanent crops				5,346	20	79,639	2,301	20,417	162
Avocado				*	*	2,213	*	*	*
Bananas				*	*	69,733	1,718	7,959	48
Guava				-	-	2,261	*	-	-
Lemons				-	-	2,464	*	-	-
Mangoes				*	*	4,486	159	*	*
Oranges				*	*	7,066	*	*	*
Papayas				*	*	7,106	*	*	16
Pineapples				-	-	-	-	-	-
Stimulant	119,033	19,098	-	31,838	3,891	213,630	26,971	159,456	21,635
Chat				24,529	2,974	163,109	21,029	113,672	13,002
Coffee	118,317	19,051	-	9,924	917	102,673	5,941	59,567	8,633
Hops / 'Geshe'				4,210	33	15,649	172	8,060	*
Enset				*	*	5,183	*	*	*
Sugar cane				*	*	59,314	2,223	2,798	70
Other permanent				*	*	4,752	*	5,333	*

Table1.4.1 Number of Holders, Inputs Applied Area and Quantity of Inputs used

West Welega

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	319,298	106,993	47,992	163,820	55,371	78,089	35,972	24,235
Cereals	202,395	94,384	45,375	140,349	43,577	76,599	35,261	22,817
Teff	34,040	23,505	11,917	9,546	973	48,683	20,009	9,980
Barley	2,165	469	*	12,299	337	*	*	*
Wheat	2,927	1,650	663	12,557	778	10,426	697	440
Maize	73,960	42,864	19,820	130,532	33,082	13,395	2,277	1,853
Sorghum	55,926	7,891	*	33,483	7,358	*	*	103
Finger millet	33,294	17,957	*	*	*	34,387	11,877	*
Oats / 'Aja'	*	*	-	*	*	-	-	-
Rice	*	*	*	*	*	*	*	*
Pulses	13,833	2,444	*	51,265	2,421	1,074	*	*
Horse / Faba beans	2,925	968	*	20,471	967	*	*	*
Field Peas	1,298	235	*	7,326	221	*	*	*
Haricot beans	8,035	1,026	*	30,117	1,018	*	*	*
Chick peas	662	73	-	3,179	73	-	-	-
Lentils	*	*	-	*	*	-	-	-
Vetch / Grass peas	193	88	-	*	88	-	-	-
Soya beans	*	43	-	*	43	-	-	-
Fenugreek	*	*	-	*	*	-	-	-
Gibto	*	-	-	-	-	-	-	-
Oilseeds	32,602	1,457	*	18,642	1,365	*	*	*
Neug	24,844	*	*	*	*	*	*	*
Linseed	569	*	-	*	*	-	-	-
Groundnuts	*	*	-	2,265	*	-	-	-
Safflower	*	*	-	*	*	-	-	-
Sesame	*	*	-	1,747	*	-	-	-
Rapeseed	658	440	*	9,230	358	*	*	*
Vegetables	2,016	1,251	*	61,168	1,248	*	*	*
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	19	*	-	3,613	*	-	-	-
Ethiopian cabbage	*	*	-	5,779	*	-	-	-
Tomatoes	*	*	*	*	*	*	*	*
Green peppers	101	*	-	*	*	-	-	-
Red peppers	1,489	901	*	53,514	899	*	*	*
Swiss chard	*	*	-	*	*	-	-	-
Root crops	4,835	1,701	*	48,875	1,230	*	*	*
Beetroot	17	6	-	2,924	6	-	-	-
Carrot	9	*	-	*	*	-	-	-
Onion	*	43	*	4,854	*	*	*	*
Potatoes	*	*	*	*	*	*	*	*
Garlic	62	*	*	4,071	*	*	*	*
Taro 'Godere'	150	66	-	9,026	66	-	-	-
Sweet potatoes	4,028	1,196	*	38,333	1,093	*	*	*
Other Temporary	4,921	3,135	212	75,232	2,994	*	*	*
Permanent crops	3,826	615		32,753	587			
Avocado	421	*		2,033	*			
Bananas	1,497	298		21,556	282			
Guava	*	*		*	*			
Lemons	*	*		*	*			
Mangoes	*	*		9,799	*			
Oranges	317	101		9,991	93			
Papayas	57	*		1,675	*			
Pineapples	-	-		-	-			
Stimulant	54,341	*		26,975	*			
Chat	1,169	*		9,420	*			
Coffee	53,015	*		17,076	*			
Hops / 'Geshe'	157	26		5,344	*			
Enset	77	*		6,875	*			
Sugar cane	434	*		3,141	*			
Other permanent	19	*		2,154	*			

(Table 1.4.1cont'd.)

West Welega

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	*	*	*	35,038	9,616	20,834	258,617	313,157	92,648
Cereals	*	*	*	35,038	9,526	19,688	247,986	197,344	79,674
Teff	*	*	*	5,889	1,927	1,625	95,890	34,040	22,221
Barley	-	-	-	-	-	-	40,201	2,165	2,770
Wheat	*	*	*	*	*	*	40,065	2,927	2,942
Maize	2,182	405	380	30,321	7,100	17,586	229,389	68,911	24,231
Sorghum	*	*	*	*	*	*	193,592	55,926	13,901
Finger millet	*	*	*	1,029	*	*	119,995	33,294	13,536
Oats / 'Aja'	-	-	-	-	-	-	*	*	*
Rice	-	-	-	-	-	-	1,106	*	*
Pulses	*	*	*	-	-	-	134,595	13,829	8,128
Horse / Faba beans	-	-	-	-	-	-	46,578	2,925	2,667
Field Peas	*	*	*	-	-	-	28,677	1,298	1,086
Haricot beans	-	-	-	-	-	-	88,947	8,035	3,688
Chick peas	-	-	-	-	-	-	9,789	662	229
Lentils	-	-	-	-	-	-	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	8,977	193	140
Soya beans	-	-	-	-	-	-	7,913	*	*
Fenugreek	-	-	-	-	-	-	5,322	*	*
Gibto	-	-	-	-	-	-	*	*	*
Oilseeds	-	-	-	*	*	*	115,610	32,602	4,845
Neug	-	-	-	-	-	-	78,531	24,844	3,613
Linseed	-	-	-	-	-	-	11,468	569	130
Groundnuts	-	-	-	-	-	-	7,545	*	112
Safflower	-	-	-	-	-	-	*	*	*
Sesame	-	-	-	-	-	-	28,138	*	922
Rapeseed	-	-	-	*	*	*	17,976	658	68
Vegetables	-	-	-	-	-	-	105,943	2,015	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	7,097	19	-
Ethiopian cabbage	-	-	-	-	-	-	16,238	*	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	10,191	101	-
Red peppers	-	-	-	-	-	-	84,943	1,489	-
Swiss chard	-	-	-	-	-	-	*	*	-
Root crops	*	*	*	-	-	-	143,225	4,834	-
Beetroot	-	-	-	-	-	-	7,864	17	-
Carrot	-	-	-	-	-	-	3,387	9	-
Onion	-	-	-	-	-	-	9,740	*	-
Potatoes	-	-	-	-	-	-	*	*	-
Garlic	-	-	-	-	-	-	11,802	62	-
Taro 'Godere'	-	-	-	-	-	-	22,049	150	-
Sweet potatoes	*	*	*	-	-	-	128,609	4,028	-
Other Temporary	-	-	-	*	*	*	133,373	4,907	-
Permanent crops							139,018	3,778	
Avocado							30,678	421	
Bananas							101,410	1,449	
Guava							*	*	
Lemons							2,133	*	
Mangoes							58,724	*	
Oranges							32,008	317	
Papayas							13,142	57	
Pineapples							-	-	
Stimulant							196,979	53,318	
Chat							37,961	1,169	
Coffee							185,583	51,992	
Hops / 'Gesho'							21,638	157	
Enset							15,771	77	
Sugar cane							15,529	434	
Other permanent							5,511	19	

(Table 1.4.1 Cont'd.)

West Welega

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	26,796	6,141	1,331	53,872	14,351	5,654	272	27,886	5,688
Cereals	23,685	5,051	1,329	51,238	13,720	1,395	*	23,519	4,946
Teff	-	-	-	15,389	4,969	-	-	*	*
Barley	-	-	-	*	*	-	-	-	-
Wheat	-	-	-	8,136	621	*	*	-	-
Maize	23,132	5,049	1,314	18,078	3,099	1,135	*	20,612	4,045
Sorghum	-	-	-	*	*	-	-	1,348	*
Finger millet	*	-	*	18,983	4,398	-	-	*	*
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	*	*	-	-	-	-	-	-	-
Pulses	*	*	*	*	*	*	*	*	*
Horse / Faba beans	-	-	-	-	-	-	-	*	*
Field Peas	-	-	-	*	*	-	-	-	-
Haricot beans	-	-	-	*	*	-	-	*	*
Chick peas	-	-	-	-	-	*	*	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	*	*	*	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	*	*	-	-	*	*
Neug	-	-	-	*	*	-	-	*	*
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	*	*
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	*	*	-	-	*	*
Vegetables	*	*	-	-	-	*	*	-	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	-	-	*	*	-	-
Ethiopian cabbage	-	-	-	-	-	*	*	-	-
Tomatoes	*	*	-	-	-	*	*	-	-
Green peppers	-	-	-	-	-	-	-	-	-
Red peppers	-	-	-	-	-	*	*	-	-
Swiss chard	-	-	-	-	-	*	*	-	-
Root crops	*	*	-	*	*	1,838	*	*	*
Beetroot	-	-	-	-	-	*	*	-	-
Carrot	*	*	-	-	-	*	*	-	-
Onion	*	*	-	-	-	*	*	*	*
Potatoes	-	-	-	-	-	*	*	-	-
Garlic	-	-	-	-	-	*	*	*	*
Taro 'Godere'	-	-	-	-	-	*	*	-	-
Sweet potatoes	-	-	-	*	*	-	-	*	*
Other Temporary	*	*	-	*	*	*	*	*	*
Permanent crops				*	*	*	*	*	*
Avocado				*	*	*	*	*	*
Bananas				-	-	*	*	*	*
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				*	*	-	-	-	-
Oranges				*	*	-	-	*	*
Papayas				-	-	-	-	*	*
Pineapples				-	-	-	-	-	-
Stimulant	3,919	1,023	-	*	*	*	*	2,719	*
Chat				-	-	-	-	*	*
Coffee	3,919	1,023	-	*	*	*	*	*	*
Hops / 'Gesho'				*	*	*	*	-	-
Enset				-	-	-	-		
Sugar cane				-	-	*	*	*	*
Other permanent				-	-	-	-	-	-

Table1.4.2 Number of Holders, Inputs Applied Area and Quantity of Inputs used

East Welega

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	365,741	155,087	144,595	113,654	25,276	76,782	59,074	33,683
Cereals	279,567	146,988	141,728	89,128	20,122	75,607	58,333	32,877
Teff	74,497	46,805	23,645	5,843	*	59,869	40,880	21,638
Barley	6,429	715	*	8,624	687	-	-	-
Wheat	9,840	4,536	4,251	8,939	691	5,156	365	377
Maize	121,854	85,683	109,345	83,616	15,909	21,535	8,883	6,608
Sorghum	51,173	505	*	5,839	431	*	*	*
Finger millet	15,471	*	*	*	*	15,820	*	*
Oats / 'Aja'	279	-	-	-	-	-	-	-
Rice	*	-	-	-	-	-	-	-
Pulses	11,810	1,900	*	23,452	1,697	*	*	*
Horse / Faba beans	6,604	1,470	*	16,192	1,344	*	*	*
Field Peas	2,433	*	*	*	*	*	*	*
Haricot beans	1,645	*	-	4,501	*	-	-	-
Chick peas	*	*	-	*	*	-	-	-
Lentils	*	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	*	*	*	*	*	*	*	*
Fenugreek	*	*	-	*	*	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	57,854	2,691	803	9,301	1,075	1,885	*	*
Neug	35,291	1,311	*	*	*	*	*	*
Linseed	*	*	-	*	*	-	-	-
Groundnuts	*	*	*	-	-	-	-	-
Safflower	*	*	-	*	*	-	-	-
Sesame	16,847	*	*	*	*	*	*	*
Rapeseed	290	112	*	5,052	111	*	*	*
Vegetables	2,445	1,697	*	45,434	682	4,239	*	*
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	31	*	*	3,428	*	-	-	-
Ethiopian cabbage	46	29	-	5,345	29	-	-	-
Tomatoes	*	*	*	*	*	*	*	*
Green peppers	111	74	-	10,618	74	-	-	-
Red peppers	1,643	977	680	32,436	545	3,999	121	*
Swiss chard	*	-	-	-	-	-	-	-
Root crops	1,593	400	52	36,910	358	1,781	*	49
Beetroot	37	26	-	9,123	26	-	-	-
Carrot	*	*	-	*	*	-	-	-
Onion	104	49	*	6,978	*	*	*	*
Potatoes	*	*	-	*	*	-	-	-
Garlic	116	75	-	20,632	75	-	-	-
Taro 'Godere'	70	34	-	4,879	34	-	-	-
Sweet potatoes	1,112	*	*	6,247	*	1,516	*	*
Other Temporary	1,294	590	*	26,381	531	*	*	*
Permanent crops	1,231	161		13,714	156			
Avocado	*	*		*	*			
Bananas	648	101		8,470	101			
Guava	*	*		*	*			
Lemons	*	*		*	*			
Mangoes	516	*		4,855	*			
Oranges	*	-		-	-			
Papayas	*	*		1,733	*			
Pineapples	-	-		-	-			
Stimulant	9,578	*		20,991	*			
Chat	457	98		5,400	98			
Coffee	8,824	*		10,868	*			
Hops / 'Geshe'	298	101		11,848	101			
Enset	*	*		*	*			
Sugar cane	271	*		*	*			
Other permanent	*	*		*	*			

(Table 1.4.2 cont'd.)

East Welega

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	10,604	6,319	3,185	79,762	64,419	107,728	222,052	307,331	138,543
Cereals	7,083	5,046	*	79,762	63,488	106,272	217,178	221,820	115,797
Teff	*	*	*	9,241	2,916	1,691	123,285	74,497	40,781
Barley	-	-	-	*	*	*	39,269	6,429	11,864
Wheat	-	-	-	10,847	*	3,874	52,076	9,840	17,390
Maize	5,277	*	*	69,028	56,969	100,522	196,346	64,107	26,119
Sorghum	-	-	-	-	-	-	123,124	51,173	13,787
Finger millet	*	*	*	*	*	*	49,813	15,471	5,435
Oats / 'Aja'	-	-	-	-	-	-	*	279	*
Rice	-	-	-	-	-	-	*	*	*
Pulses	-	-	-	*	*	*	75,948	11,740	11,391
Horse / Faba beans	-	-	-	*	*	*	50,383	6,561	7,256
Field Peas	-	-	-	-	-	-	13,904	2,433	2,230
Haricot beans	-	-	-	-	-	-	17,851	1,645	895
Chick peas	-	-	-	-	-	-	4,079	*	331
Lentils	-	-	-	-	-	-	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	*	*	*
Fenugreek	-	-	-	-	-	-	9,960	*	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	*	*	*	*	*	*	127,727	57,854	11,355
Neug	*	*	*	-	-	-	82,036	35,291	6,032
Linseed	-	-	-	-	-	-	*	*	*
Groundnuts	-	-	-	*	*	*	15,780	*	*
Safflower	-	-	-	-	-	-	*	*	*
Sesame	*	*	*	*	*	*	50,610	16,847	3,086
Rapeseed	-	-	-	-	-	-	8,954	290	*
Vegetables	*	*	*	3,846	*	*	93,878	2,390	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	*	*	*	5,307	27	-
Ethiopian cabbage	-	-	-	-	-	-	7,747	46	-
Tomatoes	-	-	-	*	*	*	*	*	-
Green peppers	-	-	-	-	-	-	16,019	104	-
Red peppers	*	*	*	3,368	*	*	74,647	1,643	-
Swiss chard	-	-	-	-	-	-	*	*	-
Root crops	-	-	-	*	*	*	79,604	1,555	-
Beetroot	-	-	-	-	-	-	12,242	32	-
Carrot	-	-	-	-	-	-	3,036	*	-
Onion	-	-	-	*	*	*	10,251	73	-
Potatoes	-	-	-	-	-	-	3,684	*	-
Garlic	-	-	-	-	-	-	30,078	116	-
Taro 'Godere'	-	-	-	-	-	-	10,604	70	-
Sweet potatoes	-	-	-	-	-	-	34,989	1,112	-
Other Temporary	*	*	*	*	*	*	60,735	1,293	-
Permanent crops							54,675	1,228	
Avocado							2,467	*	
Bananas							31,339	646	
Guava							*	*	
Lemons							*	*	
Mangoes							30,374	516	
Oranges							*	*	
Papayas							6,653	*	
Pineapples							-	-	
Stimulant							85,541	9,083	
Chat							20,466	457	
Coffee							63,239	8,328	
Hops / 'Gesho'							29,778	298	
Enset							*	*	
Sugar cane							8,591	271	
Other permanent							4,354	*	

(Table 1.4.2 Cont'd.)

East Welega

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	80,726	58,410	14,312	61,297	39,664	5,910	*	76,985	57,785
Cereals	71,836	57,747	14,272	59,847	39,037	*	*	73,255	57,331
Teff	-	-	-	48,432	25,983	-	-	*	*
Barley	-	-	-	*	*	-	-	-	-
Wheat	-	-	-	19,099	4,020	-	-	*	*
Maize	71,836	57,747	14,272	3,203	1,738	*	*	71,894	56,716
Sorghum	-	-	-	*	*	-	-	*	*
Finger millet	-	-	-	13,583	5,004	-	-	-	-
Oats / 'Aja'	-	-	-	*	*	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	*	*	*	-	-	*	*
Horse / Faba beans	*	*	*	*	*	-	-	-	-
Field Peas	-	-	-	-	-	-	-	*	*
Haricot beans	-	-	-	-	-	-	-	-	-
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	*	*	*	-	-	-	-	-	-
Fenugreek	-	-	-	*	*	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	*	*
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	*	*	-	*	*	*	*	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	*	*	*	*
Tomatoes	*	*	-	*	*	*	*	*	*
Green peppers	*	*	-	*	*	*	*	*	*
Red peppers	-	-	-	-	-	*	*	*	*
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	-	*	*	*	*	*	*
Beetroot	*	*	-	-	-	*	*	*	*
Carrot	*	*	-	-	-	*	*	-	-
Onion	*	*	-	*	*	*	*	*	*
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	*	*	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	*	*	*	*	*	*
Other Temporary	*	*	-	*	*	-	-	-	-
Permanent crops				-	-	*	*	*	*
Avocado				-	-	-	-	*	*
Bananas				-	-	*	*	*	*
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	-	-	*	*
Oranges				-	-	-	-	-	-
Papayas				-	-	-	-	*	*
Pineapples				-	-	-	-	-	-
Stimulant	10,141	495	-	-	-	2,097	52	*	*
Chat				-	-	*	*	*	*
Coffee	10,141	495	-	-	-	*	*	*	*
Hops / 'Geshe'				-	-	*	*	-	-
Enset				-	-	-	-	-	-
Sugar cane				-	-	1,090	*	*	*
Other permanent				-	-	-	-	*	*

Table1.4.3 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Illubabor

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	329,395	93,211	41,403	152,196	39,640	52,658	35,037	17,414
Cereals	218,199	80,376	39,841	102,597	28,111	51,912	34,851	17,212
Teff	70,696	32,918	11,965	10,489	2,804	36,661	27,448	10,741
Barley	7,493	*	-	6,669	*	-	-	-
Wheat	5,146	1,767	1,529	5,407	200	9,310	1,427	1,398
Maize	88,035	38,425	25,262	94,389	19,024	16,401	5,962	5,018
Sorghum	38,731	*	*	21,632	*	-	-	-
Finger millet	6,246	243	*	2,810	237	-	-	-
Oats / 'Aja'	*	-	-	-	-	-	-	-
Rice	*	*	*	*	*	*	*	*
Pulses	21,468	3,327	78	41,737	3,249	1,298	77	*
Horse / Faba beans	7,678	*	*	15,164	*	1,038	*	*
Field Peas	5,649	479	*	5,518	467	*	*	*
Haricot beans	4,115	683	*	23,654	682	-	-	-
Chick peas	*	*	-	*	*	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch / Grass peas	*	-	-	-	-	-	-	-
Soya beans	*	*	-	*	*	-	-	-
Fenugreek	92	*	-	*	*	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	17,615	*	*	6,173	*	*	*	*
Neug	7,852	*	-	1,168	*	-	-	-
Linseed	276	-	-	-	-	-	-	-
Groundnuts	*	*	*	-	-	-	-	-
Safflower	*	-	-	-	-	-	-	-
Sesame	7,969	*	*	*	*	-	-	-
Rapeseed	*	*	*	2,453	*	*	*	*
Vegetables	3,672	1,304	*	66,135	713	*	*	*
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	68	42	*	16,641	41	-	-	-
Ethiopian cabbage	147	68	-	20,157	68	-	-	-
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	151	105	*	22,977	103	*	*	*
Red peppers	3,295	*	*	27,976	501	-	-	-
Swiss chard	*	-	-	-	-	-	-	-
Root crops	2,203	694	*	55,530	693	*	*	*
Beetroot	43	31	*	16,387	30	*	*	*
Carrot	*	*	*	3,256	*	*	*	*
Onion	21	10	-	6,895	10	-	-	-
Potatoes	175	42	-	1,641	42	-	-	-
Garlic	29	13	-	8,894	13	-	-	-
Taro 'Godere'	794	371	-	29,438	371	-	-	-
Sweet potatoes	1,120	*	*	8,307	*	-	-	-
Other Temporary	1,100	440	*	36,420	385	*	*	*
Permanent crops	2,017	292	*	32,308	280	*	*	*
Avocado	113	*	*	4,468	*	-	-	-
Bananas	711	97	*	18,159	97	-	-	-
Guava	*	*	*	*	*	-	-	-
Lemons	*	-	-	-	-	-	-	-
Mangoes	343	74	-	9,376	63	-	-	-
Oranges	27	8	-	2,303	8	-	-	-
Papayas	135	*	-	9,122	*	-	-	-
Pineapples	*	*	*	*	*	-	-	-
Stimulant	60,486	3,471	*	42,992	3,396	*	*	*
Chat	2,251	575	*	28,057	518	-	-	-
Coffee	58,198	2,892	*	21,632	2,873	-	-	-
Hops / 'Gescho'	37	*	*	*	*	-	-	-
Enset	2,096	1,274	*	63,537	1,274	-	-	-
Sugar cane	444	*	*	10,091	*	-	-	-
Other permanent	*	*	*	4,387	*	-	-	-

(Table 1.4.3 cont'd.)

Illubabor

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	11,502	3,895	2,600	44,559	14,639	21,390	265,495	311,515	111,187
Cereals	8,244	3,295	1,977	44,275	14,119	20,653	255,205	205,497	90,559
Teff	2,666	*	*	3,367	1,237	740	135,743	70,361	32,923
Barley	-	-	-	-	-	-	43,693	7,493	8,087
Wheat	*	*	*	1,058	*	*	34,953	4,266	4,787
Maize	*	*	*	40,429	12,282	19,364	225,601	76,548	30,357
Sorghum	*	*	*	*	*	*	144,912	38,731	9,730
Finger millet	-	-	-	*	*	*	35,596	6,246	1,730
Oats / 'Aja'	-	-	-	-	-	-	*	*	*
Rice	*	*	*	*	*	*	*	*	*
Pulses	-	-	-	*	*	*	137,111	21,463	15,784
Horse / Faba beans	-	-	-	-	-	-	65,402	7,678	7,024
Field Peas	-	-	-	-	-	-	31,712	5,649	4,138
Haricot beans	-	-	-	*	*	*	70,380	4,115	2,325
Chick peas	-	-	-	-	-	-	*	*	*
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	*	*	*
Soya beans	-	-	-	-	-	-	16,406	*	*
Fenugreek	-	-	-	-	-	-	8,569	92	44
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	*	-	*	*	*	*	66,739	17,615	4,844
Neug	-	-	-	-	-	-	30,275	7,852	1,475
Linseed	-	-	-	-	-	-	4,328	276	96
Groundnuts	-	-	-	*	*	*	*	*	*
Safflower	-	-	-	-	-	-	*	*	*
Sesame	*	-	*	*	*	*	28,231	7,969	1,150
Rapeseed	-	-	-	-	-	-	6,136	*	*
Vegetables	*	*	*	*	*	*	123,153	3,670	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	*	*	*	-	-	-	26,109	66	-
Ethiopian cabbage	-	-	-	-	-	-	36,720	147	-
Tomatoes	-	-	-	-	-	-	2,784	*	-
Green peppers	-	-	-	*	*	*	37,879	151	-
Red peppers	*	*	*	-	-	-	60,856	3,295	-
Swiss chard	-	-	-	-	-	-	*	*	-
Root crops	-	-	-	*	*	*	119,377	2,198	-
Beetroot	-	-	-	-	-	-	26,741	43	-
Carrot	-	-	-	-	-	-	5,150	*	-
Onion	-	-	-	-	-	-	11,325	21	-
Potatoes	-	-	-	-	-	-	4,393	175	-
Garlic	-	-	-	-	-	-	16,590	29	-
Taro 'Godere'	-	-	-	-	-	-	60,712	794	-
Sweet potatoes	-	-	-	*	*	*	37,613	1,116	-
Other Temporary	*	*	*	*	*	*	72,830	1,100	-
Permanent crops							90,369	1,978	
Avocado							11,526	108	
Bananas							60,254	685	
Guava							*	*	
Lemons							*	*	
Mangoes							31,005	339	
Oranges							8,370	27	
Papayas							23,784	131	
Pineapples							*	*	
Stimulant							172,280	55,367	
Chat							78,798	2,214	
Coffee							141,374	53,116	
Hops / 'Geshe'							9,620	37	
Enset							134,792	2,096	
Sugar cane							27,204	437	
Other permanent							13,282	*	

(Table 1.4.3 Cont'd.)

Illubabor									
Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	62,516	17,867	4,113	79,098	47,306	*	*	56,826	20,657
Cereals	44,201	12,690	4,108	78,226	47,214	*	*	52,620	18,652
Teff	*	*	*	71,251	43,691	*	*	*	*
Barley	-	-	-	2,151	158	-	-	*	*
Wheat	*	*	*	11,328	1,503	-	-	6,599	*
Maize	38,207	11,474	3,089	2,350	519	*	*	43,633	13,105
Sorghum	-	-	-	4,290	995	-	-	*	*
Finger millet	-	-	-	*	*	-	-	*	*
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	*	-	-	-	*	*
Pulses	*	*	*	*	*	*	*	*	*
Horse / Faba beans	-	-	-	-	-	-	-	*	*
Field Peas	-	-	-	*	*	-	-	-	-
Haricot beans	*	*	-	-	-	*	*	*	*
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	*	*	*	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	*	*
Neug	-	-	-	-	-	-	-	*	*
Linseed	-	-	-	-	-	-	-	*	*
Groundnuts	-	-	-	-	-	-	-	*	*
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	*	*
Vegetables	*	*	-	-	-	*	*	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	-	-	-	-	*	*
Ethiopian cabbage	-	-	-	-	-	-	-	*	*
Tomatoes	*	*	-	-	-	*	*	-	-
Green peppers	-	-	-	-	-	-	-	-	-
Red peppers	-	-	-	-	-	*	*	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	-	-	-	*	*	*	*
Beetroot	-	-	-	-	-	*	*	*	*
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	*	*	-	-
Potatoes	-	-	-	-	-	*	*	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	*	*	-	-
Sweet potatoes	*	*	-	-	-	*	*	*	*
Other Temporary	-	-	-	-	-	-	-	*	*
Permanent crops				*	*	*	*	4,235	38
Avocado				-	-	*	*	-	-
Bananas				*	*	*	*	2,669	*
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	-	-	*	*
Oranges				-	-	-	-	-	-
Papayas				-	-	*	*	*	*
Pineapples				-	-	-	-	-	-
Stimulant	22,054	5,119	-	*	*	*	*	8,537	*
Chat				*	*	*	*	1,186	*
Coffee	21,828	5,081	-	*	*	*	*	7,350	*
Hops / 'Geshe'				-	-	-	-	-	-
Enset				-	-	*	*	-	-
Sugar cane				-	-	*	*	-	-
Other permanent				-	-	-	-	*	*

Table1.4.4 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Jimma

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	671,443	210,284	123,246	407,596	51,914	206,063	111,924	68,818
Cereals	452,226	175,208	111,303	138,907	23,737	202,284	106,028	60,826
Teff	162,770	66,719	32,396	9,249	2,761	140,240	57,749	29,092
Barley	21,078	3,707	*	11,585	685	26,760	*	*
Wheat	42,352	11,024	7,716	6,609	289	46,912	10,543	7,343
Maize	161,043	90,276	68,226	112,968	17,541	92,277	33,789	21,761
Sorghum	62,236	3,112	*	22,882	2,343	4,422	705	*
Finger millet	*	*	*	*	*	*	*	*
Oats / 'Aja'	*	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
Pulses	39,177	*	*	39,303	1,012	*	*	*
Horse / Faba beans	31,411	*	*	17,491	832	*	*	*
Field Peas	5,768	*	*	2,535	*	*	*	*
Haricot beans	*	129	*	17,913	*	*	*	*
Chick peas	*	*	-	*	*	-	-	-
Lentils	*	*	*	-	-	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	*	-	-	-	-	-	-	-
Fenugreek	*	*	-	*	*	-	-	-
Gibto	*	-	-	-	-	-	-	-
Oilseeds	24,121	1,460	*	5,429	*	*	203	133
Neug	14,997	*	*	*	*	*	*	*
Linseed	2,973	*	*	*	*	*	*	*
Groundnuts	*	*	-	*	*	-	-	-
Safflower	*	-	-	-	-	-	-	-
Sesame	*	-	-	-	-	-	-	-
Rapeseed	433	*	*	*	*	*	*	*
Vegetables	3,201	1,624	*	192,927	1,072	19,764	*	*
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	67	23	*	13,219	20	*	*	*
Ethiopian cabbage	1,521	852	*	172,219	833	*	*	*
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	216	100	*	38,431	94	*	*	*
Red peppers	1,367	*	*	11,352	*	*	*	*
Swiss chard	*	*	-	*	*	-	-	-
Root crops	5,988	2,682	*	174,040	2,662	*	*	*
Beetroot	*	*	-	5,036	*	-	-	-
Carrot	*	*	-	*	*	-	-	-
Onion	*	*	-	*	*	-	-	-
Potatoes	131	*	-	6,970	*	-	-	-
Garlic	*	36	-	11,989	36	-	-	-
Taro 'Godere'	5,408	2,433	*	152,948	2,417	*	*	-
Sweet potatoes	166	101	*	14,670	97	*	*	*
Other Temporary	1,318	839	*	51,223	785	*	*	*
Permanent crops	5,070	2,226		185,694	2,167			
Avocado	1,045	410		71,354	408			
Bananas	2,615	1,296		125,108	1,276			
Guava	116	*		13,801	*			
Lemons	*	-		-	-			
Mangoes	694	309		55,961	285			
Oranges	365	61		16,464	49			
Papayas	219	120		41,659	120			
Pineapples	*	*		*	*			
Stimulant	121,884	9,845		213,840	9,306			
Chat	14,166	4,640		131,434	4,267			
Coffee	107,546	5,205		162,620	5,038			
Hops / 'Gescho'	*	*		*	*			
Enset	16,470	9,997		319,806	9,969			
Sugar cane	1,335	468		69,694	428			
Other permanent	654	*		29,391	107			

(Table 1.4.4 cont'd.)

Jimma

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	7,795	1,874	1,046	96,262	44,572	53,381	575,469	616,437	284,761
Cereals	5,656	*	*	95,707	44,094	49,642	528,079	404,597	244,598
Teff	*	*	*	12,161	5,143	2,713	391,173	162,770	79,106
Barley	-	-	-	-	-	-	141,852	21,078	32,534
Wheat	*	*	*	*	*	*	157,021	42,352	61,979
Maize	*	*	*	90,744	38,702	46,299	323,263	113,490	52,276
Sorghum	-	-	-	*	*	*	247,154	62,161	16,766
Finger millet	*	*	*	-	-	-	11,469	*	*
Oats / 'Aja'	-	-	-	-	-	-	11,600	*	1,393
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	*	*	*	201,814	39,177	34,835
Horse / Faba beans	-	-	-	*	*	*	141,553	31,411	28,282
Field Peas	-	-	-	*	*	*	36,912	5,768	4,992
Haricot beans	-	-	-	*	*	*	46,557	*	*
Chick peas	-	-	-	-	-	-	3,106	*	*
Lentils	-	-	-	-	-	-	9,964	*	244
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	*	*	*
Fenugreek	-	-	-	-	-	-	*	*	*
Gibto	-	-	-	-	-	-	*	*	*
Oilseeds	*	*	*	*	*	*	124,676	24,121	5,328
Neug	*	*	*	-	-	-	49,780	14,997	2,308
Linseed	-	-	-	-	-	-	58,786	2,973	886
Groundnuts	-	-	-	-	-	-	*	*	*
Safflower	-	-	-	-	-	-	*	*	*
Sesame	-	-	-	-	-	-	*	*	*
Rapeseed	-	-	-	*	*	*	7,392	433	10
Vegetables	*	*	*	*	*	*	325,082	3,193	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	*	*	*	-	-	-	26,197	61	-
Ethiopian cabbage	*	*	*	-	-	-	275,272	1,520	-
Tomatoes	-	-	-	-	-	-	5,837	*	-
Green peppers	*	*	*	-	-	-	65,774	216	-
Red peppers	-	-	-	*	*	*	50,311	1,367	-
Swiss chard	-	-	-	-	-	-	*	*	-
Root crops	-	-	-	*	*	*	284,550	5,983	-
Beetroot	-	-	-	-	-	-	12,297	*	-
Carrot	-	-	-	-	-	-	2,345	*	-
Onion	-	-	-	-	-	-	8,328	*	-
Potatoes	-	-	-	-	-	-	10,486	131	-
Garlic	-	-	-	-	-	-	17,191	*	-
Taro 'Godere'	-	-	-	*	*	*	253,290	5,403	-
Sweet potatoes	-	-	-	-	-	-	23,137	166	-
Other Temporary	-	-	-	-	-	-	86,345	1,318	-
Permanent crops							285,576	4,874	
Avocado							114,390	852	
Bananas							213,231	2,612	
Guava							36,672	116	
Lemons							*	*	
Mangoes							106,786	694	
Oranges							39,259	365	
Papayas							76,238	219	
Pineapples							*	*	
Stimulant							446,390	114,762	
Chat							318,214	14,138	
Coffee							334,431	100,452	
Hops / 'Gesho'							11,456	*	
Enset							467,544	16,458	
Sugar cane							138,343	1,331	
Other permanent							82,909	623	

(Table 1.4.4 Cont'd.)

Jimma

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	157,136	54,241	7,960	326,237	153,002	5,380	*	120,120	54,195
Cereals	115,422	46,912	7,960	321,269	150,741	*	*	114,591	49,969
Teff	-	-	-	284,461	108,520	*	*	24,050	6,498
Barley	-	-	-	26,975	2,791	-	-	*	*
Wheat	-	-	-	89,303	29,330	-	-	2,567	*
Maize	115,422	46,912	7,960	*	*	-	-	103,828	42,080
Sorghum	-	-	-	16,252	4,434	-	-	*	*
Finger millet	-	-	-	*	*	-	-	*	*
Oats / 'Aja'	-	-	-	*	*	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	7,652	*	-	-	2,426	*
Horse / Faba beans	-	-	-	5,315	*	-	-	*	*
Field Peas	-	-	-	*	*	-	-	-	-
Haricot beans	-	-	-	-	-	-	-	*	*
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	*	*	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	*	*	-	-	-	-
Oilseeds	-	-	-	6,835	*	-	-	*	*
Neug	-	-	-	-	-	-	-	*	*
Linseed	-	-	-	6,835	*	-	-	*	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	*	*
Vegetables	*	*	-	*	*	*	*	-	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	*	*	-	-	-	-
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	-	-	-	-
Red peppers	-	-	-	*	*	*	*	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	-	-	-	-	-	*	*
Beetroot	-	-	-	-	-	-	-	*	*
Carrot	-	-	-	-	-	-	-	-	-
Onion	*	*	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	*	-	-	-	-	-	-	*	*
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other Temporary	-	-	-	-	-	-	-	*	*
Permanent crops				*	*	-	-	*	*
Avocado				*	*	-	-	*	*
Bananas				-	-	-	-	*	*
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				*	*	-	-	*	*
Oranges				*	*	-	-	*	*
Papayas				-	-	-	-	*	*
Pineapples				-	-	-	-	-	-
Stimulant	45,917	7,094	-	2,609	*	*	*	*	*
Chat				-	-	*	*	*	*
Coffee	45,917	7,094	-	2,609	*	*	*	*	*
Hops / 'Geshe'				-	-	-	-	-	-
Enset				-	-	-	-	-	-
Sugar cane				-	-	*	*	-	-
Other permanent				-	-	*	*	*	*

Table1.4.5 Number of Holders, Inputs Applied Area and Quantity of Inputs used

West Shewa

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	616,088	374,366	325,870	300,606	56,555	132,876	84,149	66,990
Cereals	505,934	346,876	301,592	202,543	45,326	124,451	79,508	63,002
Teff	181,019	140,750	102,253	23,962	5,672	58,058	29,873	17,406
Barley	70,440	52,642	35,888	48,513	8,528	52,342	25,386	21,508
Wheat	57,426	46,476	54,957	19,032	*	46,282	13,579	17,006
Maize	118,345	99,799	107,799	151,158	22,296	32,608	10,614	6,993
Sorghum	77,758	6,905	*	18,646	*	*	*	*
Finger millet	*	*	*	*	*	*	-	*
Oats / 'Aja'	602	*	*	*	*	-	-	-
Rice	*	*	-	*	*	-	-	-
Pulses	59,144	8,448	3,532	42,028	4,162	9,913	1,425	951
Horse / Faba beans	20,256	4,940	1,416	35,661	2,887	8,179	1,036	626
Field Peas	7,830	2,605	1,870	8,887	724	*	*	*
Haricot beans	*	*	-	*	*	-	-	-
Chick peas	*	*	-	*	*	-	-	-
Lentils	*	*	*	*	*	*	*	*
Vetch / Grass peas	12,666	*	*	*	*	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	*	*	*	*	*	-	-	-
Gibto	*	-	-	-	-	-	-	-
Oilseeds	26,424	915	*	14,680	*	*	*	*
Neug	22,721	*	-	*	*	-	-	-
Linseed	2,714	*	*	*	*	*	*	*
Groundnuts	*	*	-	*	*	-	-	-
Safflower	*	*	*	*	*	*	*	*
Sesame	*	-	-	-	-	-	-	-
Rapeseed	450	333	*	12,279	183	*	*	*
Vegetables	*	*	*	105,677	1,448	4,082	*	*
Lettuce	*	*	-	*	*	-	-	-
Head cabbage	*	*	*	12,172	*	-	-	-
Ethiopian cabbage	488	457	*	57,159	457	*	*	*
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	93	64	*	27,922	62	*	*	*
Red peppers	*	*	*	25,369	720	*	*	*
Swiss chard	*	*	-	*	*	-	-	-
Root crops	6,525	5,054	*	114,011	1,564	21,874	*	*
Beetroot	*	39	*	14,905	39	*	*	*
Carrot	3	3	-	4,989	3	-	-	-
Onion	*	*	*	24,818	*	*	*	*
Potatoes	4,686	4,434	*	27,289	982	19,679	*	*
Garlic	828	393	*	79,451	376	*	*	*
Taro 'Godere'	*	-	-	*	-	-	-	-
Sweet potatoes	*	*	-	*	*	-	-	-
Other Temporary	693	326	*	41,118	244	*	*	*
Permanent crops	279	55	*	11,155	55	*	*	*
Avocado	-	-	-	-	-	-	-	-
Bananas	218	27	*	7,806	27	*	*	*
Guava	*	*	*	*	*	*	*	*
Lemons	-	-	-	-	-	-	-	-
Mangoes	*	*	*	*	*	*	*	*
Oranges	*	*	*	*	*	*	*	*
Papayas	*	*	*	*	*	*	*	*
Pineapples	-	-	-	-	-	-	-	-
Stimulant	1,053	368	*	58,654	365	*	*	*
Chat	*	*	*	9,543	*	*	*	*
Coffee	*	*	*	*	*	*	*	*
Hops / 'Gesho'	465	275	*	52,253	273	*	*	*
Enset	3,200	2,855	*	111,044	2,852	*	*	*
Sugar cane	452	*	*	*	*	*	*	*
Other permanent	15	11	*	13,703	11	*	*	*

(Table 1.4.5 cont'd.)

West Shewa

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	29,765	18,104	12,444	218,286	215,558	246,437	452,137	558,157	556,037
Cereals	22,386	16,751	7,364	216,196	205,291	231,226	434,205	448,053	457,138
Teff	15,910	*	4,387	125,990	92,598	80,459	263,679	180,457	101,722
Barley	*	*	*	32,875	17,926	13,881	147,523	70,440	167,815
Wheat	*	*	*	78,225	28,659	36,193	177,540	56,634	136,093
Maize	2,681	*	*	74,527	65,066	100,099	261,667	61,816	26,124
Sorghum	-	-	-	*	*	*	186,094	77,758	24,092
Finger millet	-	-	-	-	-	-	*	*	*
Oats / 'Aja'	*	*	*	*	*	*	9,224	602	974
Rice	-	-	-	-	-	-	*	*	*
Pulses	*	*	*	11,536	2,528	*	186,207	59,144	92,401
Horse / Faba beans	*	*	*	5,877	775	611	132,874	20,256	37,117
Field Peas	-	-	-	*	*	*	34,793	7,830	18,011
Haricot beans	-	-	-	-	-	-	*	*	*
Chick peas	-	-	-	-	-	-	36,717	*	*
Lentils	*	*	*	*	*	*	12,212	*	1,698
Vetch / Grass peas	-	-	-	*	*	*	42,490	12,666	19,458
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	*	*	*	*	*	*	9,830	*	*
Gibto	-	-	-	-	-	-	*	*	*
Oilseeds	-	-	-	*	*	*	59,699	26,424	6,498
Neug	-	-	-	-	-	-	36,657	22,721	3,877
Linseed	-	-	-	*	*	*	13,586	2,714	2,377
Groundnuts	-	-	-	-	-	-	*	*	*
Safflower	-	-	-	-	-	-	*	*	*
Sesame	-	-	-	-	-	-	*	*	*
Rapeseed	-	-	-	-	-	-	14,515	450	151
Vegetables	*	*	*	*	*	*	159,561	*	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	*	-	*	-	-	-	14,315	*	-
Ethiopian cabbage	-	-	-	-	-	-	64,302	488	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	*	-	*	-	-	-	36,818	93	-
Red peppers	*	*	*	*	*	*	64,731	*	-
Swiss chard	-	-	-	-	-	-	*	*	-
Root crops	2,811	*	*	7,392	713	*	164,664	6,502	-
Beetroot	-	-	-	-	-	-	16,573	*	-
Carrot	-	-	-	-	-	-	4,520	3	-
Onion	-	-	-	-	-	-	35,891	*	-
Potatoes	*	*	*	6,584	712	*	56,382	4,663	-
Garlic	*	*	*	*	*	*	104,705	828	-
Taro 'Godere'	-	-	-	-	-	-	*	*	-
Sweet potatoes	-	-	-	-	-	-	6,644	*	-
Other Temporary	*	*	*	*	*	*	57,182	693	-
Permanent crops							26,014	279	
Avocado							-	-	
Bananas							18,654	218	
Guava							*	*	
Lemons							-	-	
Mangoes							*	*	
Oranges							*	*	
Papayas							*	*	
Pineapples							-	-	
Stimulant							93,805	1,052	
Chat							12,693	*	
Coffee							12,338	*	
Hops / 'Geshe'							79,752	465	
Enset							132,448	3,198	
Sugar cane							17,594	452	
Other permanent							13,759	13	

(Table 1.4.5 Cont'd.)

West Shewa

	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
Crop type	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	66,912	57,931	14,967	288,574	274,734	28,344	3,124	62,631	50,838
Cereals	62,783	57,881	14,967	282,929	265,102	*	*	60,086	50,153
Teff	*	*	*	197,439	141,011	*	*	1,955	*
Barley	-	-	-	77,214	39,706	*	*	*	*
Wheat	*	*	*	125,069	42,436	-	-	*	*
Maize	60,932	56,528	12,954	38,792	*	*	*	50,529	44,421
Sorghum	-	-	-	23,668	*	*	*	2,402	732
Finger millet	-	-	-	*	-	-	-	-	-
Oats / 'Aja'	-	-	-	*	360	*	*	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	*	*	*	*	*	*
Horse / Faba beans	-	-	-	3,194	*	-	-	*	*
Field Peas	-	-	-	-	-	-	-	*	*
Haricot beans	-	-	-	-	-	-	-	-	-
Chick peas	-	-	-	*	*	*	*	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	*	*	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	*	*	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	*	*	-	-	-	-
Neug	-	-	-	*	*	-	-	-	-
Linseed	-	-	-	*	*	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	*	*	-	*	*	7,811	*	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	*	-	-	-	-	*	-	-	-
Ethiopian cabbage	-	-	-	*	*	*	*	-	-
Tomatoes	-	-	-	-	-	*	*	-	-
Green peppers	-	-	-	-	-	4,039	*	-	-
Red peppers	*	*	-	*	*	*	*	*	*
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	-	25,869	*	*	*	*	*
Beetroot	*	*	-	*	*	*	*	-	-
Carrot	*	-	-	-	-	-	-	-	-
Onion	-	-	-	*	*	*	*	*	*
Potatoes	*	*	-	22,902	*	*	*	*	*
Garlic	-	-	-	2,947	*	-	-	*	*
Taro 'Godere'	*	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	*	*	-	-
Other Temporary	-	-	-	*	*	*	*	-	-
Permanent crops				-	-	*	*	*	*
Avocado				-	-	-	-	-	-
Bananas				-	-	*	*	*	*
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	-	-	-	-
Oranges				-	-	*	*	-	-
Papayas				-	-	-	-	-	-
Pineapples				-	-	-	-	-	-
Stimulant	*	*	-	*	*	4,529	*	-	-
Chat				*	*	*	*	-	-
Coffee	*	*	-	-	-	2,734	5	-	-
Hops / 'Geshe'				*	*	*	*	*	*
Enset				*	*	-	-	-	-
Sugar cane				-	-	10,947	*	-	-
Other permanent				-	-	-	-	-	-

Table1.4.6 Number of Holders, Inputs Applied Area and Quantity of Inputs used

North Shewa

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	466,140	205,289	178,187	187,326	44,686	16,259	*	*
Cereals	381,514	193,127	177,501	125,066	33,387	14,352	*	*
Teff	147,300	110,268	101,205	12,478	5,524	*	*	*
Barley	86,983	15,973	6,104	34,160	9,947	*	*	*
Wheat	75,281	53,808	68,975	24,399	6,048	*	*	*
Maize	7,306	4,691	*	66,632	4,290	*	*	*
Sorghum	62,752	8,071	*	33,364	7,414	-	-	-
Finger millet	*	-	-	-	-	-	-	-
Oats / 'Aja'	1,496	*	-	*	*	-	-	-
Rice	*	*	*	-	-	-	-	-
Pulses	76,119	9,467	*	38,954	8,872	*	*	*
Horse / Faba beans	39,648	7,803	*	35,034	7,757	*	*	*
Field Peas	6,119	*	-	5,901	*	-	-	-
Haricot beans	*	-	-	-	-	-	-	-
Chick peas	10,118	*	*	*	*	*	*	*
Lentils	7,705	*	*	*	*	*	*	*
Vetch / Grass peas	12,366	*	-	*	*	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	*	*	*	-	-	*	*	*
Gibto	*	*	-	*	*	-	-	-
Oilseeds	5,452	*	*	*	*	-	-	-
Neug	3,823	*	-	*	*	-	-	-
Linseed	1,590	*	*	*	*	-	-	-
Groundnuts	-	-	-	-	-	-	-	-
Safflower	*	*	*	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Rapeseed	*	*	-	*	*	-	-	-
Vegetables	263	*	*	47,728	*	-	-	-
Lettuce	*	*	-	*	*	-	-	-
Head cabbage	*	-	-	-	-	-	-	-
Ethiopian cabbage	*	*	*	35,232	*	-	-	-
Tomatoes	*	-	-	-	-	-	-	-
Green peppers	*	*	-	8,223	*	-	-	-
Red peppers	*	*	*	*	*	-	-	-
Swiss chard	1	*	-	*	*	-	-	-
Root crops	*	*	*	57,816	*	*	*	*
Beetroot	*	*	-	*	*	-	-	-
Carrot	*	*	-	*	*	-	-	-
Onion	*	*	-	4,160	*	-	-	-
Potatoes	*	*	-	12,341	*	-	-	-
Garlic	*	*	*	49,720	*	*	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-
Other Temporary	*	*	*	18,032	*	-	-	-
Permanent crops	*	*		2,803	*			
Avocado	-	-		-	-			
Bananas	*	*		*	*			
Guava	*	*		*	*			
Lemons	*	-		-	-			
Mangoes	*	*		*	*			
Oranges	*	*		*	*			
Papayas	*	*		*	*			
Pineapples	-	-		-	-			
Stimulant	660	217		19,994	123			
Chat	*	*		-	-			
Coffee	*	*		*	*			
Hops / 'Geshe'	248	98		19,267	98			
Enset	*	*		2,761	*			
Sugar cane	*	*		*	*			
Other permanent	*	*		3,199	*			

(Table 1.4.6 cont'd.)

North Shewa

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	23,074	13,400	8,378	144,939	135,672	159,525	304,667	460,977	459,766
Cereals	22,692	13,391	8,374	144,555	135,221	159,015	297,895	376,412	348,263
Teff	20,892	12,406	7,454	119,663	85,245	87,787	203,683	143,686	74,008
Barley	*	*	*	12,035	*	5,354	115,613	86,983	122,762
Wheat	*	*	*	75,371	43,767	64,820	150,133	73,793	124,648
Maize	*	*	*	*	*	*	100,183	7,306	3,631
Sorghum	-	-	-	*	*	*	113,615	62,752	19,849
Finger millet	-	-	-	-	-	-	*	*	*
Oats / 'Aja'	-	-	-	-	-	-	12,106	1,496	2,306
Rice	-	-	-	*	*	*	*	*	*
Pulses	-	-	-	2,381	*	*	170,471	76,073	109,805
Horse / Faba beans	-	-	-	-	-	-	129,337	39,648	65,456
Field Peas	-	-	-	-	-	-	29,901	6,119	9,219
Haricot beans	-	-	-	-	-	-	*	*	*
Chick peas	-	-	-	-	-	-	29,500	10,118	11,276
Lentils	-	-	-	*	*	*	33,480	7,660	9,117
Vetch / Grass peas	-	-	-	-	-	-	51,885	12,366	14,630
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	*	*	*	*	*	*
Gibto	-	-	-	-	-	-	*	*	-
Oilseeds	-	-	-	*	*	*	27,552	5,452	1,697
Neug	-	-	-	-	-	-	14,042	3,823	677
Linseed	-	-	-	*	*	*	9,767	1,590	948
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	*	*	*	*	*	*
Sesame	-	-	-	-	-	-	*	*	*
Rapeseed	-	-	-	-	-	-	*	*	*
Vegetables	*	*	*	*	*	*	56,922	263	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	-	-	-	-	-	-	*	*	-
Ethiopian cabbage	-	-	-	*	*	*	40,553	*	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	10,608	*	-
Red peppers	*	*	*	*	*	*	*	*	-
Swiss chard	-	-	-	-	-	-	*	1	-
Root crops	-	-	-	-	-	-	75,720	*	-
Beetroot	-	-	-	-	-	-	2,506	*	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	-	-	-	-	-	-	6,766	*	-
Potatoes	-	-	-	-	-	-	15,250	*	-
Garlic	-	-	-	-	-	-	64,931	*	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other Temporary	-	-	-	*	*	*	31,446	*	-
Permanent crops							*	*	
Avocado							-	-	
Bananas							*	*	
Guava							*	*	
Lemons							*	*	
Mangoes							*	*	
Oranges							*	*	
Papayas							*	*	
Pineapples							-	-	
Stimulant							42,889	660	
Chat							*	*	
Coffee							*	*	
Hops / 'Gesho'							40,254	248	
Enset							4,271	*	
Sugar cane							*	*	
Other permanent							4,516	*	

(Table 1.4.6 Cont'd.)

North Shewa

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	11,531	*	4,960	98,488	65,249	16,944	*	58,422	35,749
Cereals	*	*	4,917	96,647	64,612	2,859	*	56,580	33,866
Teff	*	*	*	62,130	35,125	*	*	32,395	15,530
Barley	-	-	-	18,424	*	-	-	12,337	*
Wheat	3,919	1,488	3,971	43,185	18,377	*	*	33,142	13,027
Maize	-	-	-	*	*	*	*	*	*
Sorghum	-	-	-	5,775	*	*	*	3,639	1,568
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	*	*	-	-	*	*
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	*	*	*	-	-	6,904	1,276
Horse / Faba beans	-	-	-	*	*	-	-	*	959
Field Peas	-	-	-	*	*	-	-	*	*
Haricot beans	-	-	-	-	-	-	-	-	-
Chick peas	-	-	-	*	*	-	-	*	*
Lentils	*	*	*	*	*	-	-	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	*	*
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	*	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	*	*	-	-	*	*
Neug	-	-	-	*	-	-	-	*	*
Linseed	-	-	-	*	*	-	-	*	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	-	-	-	-	-	*	*	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	*	*	*	*
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	*	*	*	*
Red peppers	-	-	-	-	-	*	*	-	-
Swiss chard	-	-	-	-	-	-	-	*	*
Root crops	*	*	-	*	*	3,217	*	*	*
Beetroot	-	-	-	-	-	-	-	*	*
Carrot	-	-	-	-	-	-	-	*	*
Onion	*	*	-	-	-	*	*	-	-
Potatoes	-	-	-	-	-	-	-	*	*
Garlic	-	-	-	*	*	2,835	*	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other Temporary	-	-	-	-	-	*	*	*	*
Permanent crops	-	-	-	-	-	*	*	-	-
Avocado	-	-	-	-	-	-	-	-	-
Bananas	-	-	-	-	-	*	*	-	-
Guava	-	-	-	-	-	-	-	-	-
Lemons	-	-	-	-	-	*	*	-	-
Mangoes	-	-	-	-	-	*	*	-	-
Oranges	-	-	-	-	-	*	*	-	-
Papayas	-	-	-	-	-	*	*	-	-
Pineapples	-	-	-	-	-	-	-	-	-
Stimulant	-	-	-	-	-	*	*	-	-
Chat	-	-	-	-	-	*	*	-	-
Coffee	-	-	-	-	-	*	*	-	-
Hops / 'Gesho'	-	-	-	*	*	*	*	*	*
Enset	-	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	*	*	-	-
Other permanent	-	-	-	-	-	*	*	-	-

Table1.4.7 Number of Holders, Inputs Applied Area and Quantity of Inputs used

East Shewa

Crop type	All	All Fertilizers		Natural		DAP		
	Crop Area	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	439,450	297,875	273,351	115,240	35,242	75,208	75,202	42,474
Cereals	369,730	281,923	259,061	89,361	30,834	70,786	69,724	39,354
Teff	194,027	181,573	170,425	6,685	1,836	57,006	49,797	28,315
Barley	10,657	5,960	6,141	2,908	513	9,359	2,108	1,339
Wheat	55,035	51,114	69,760	5,538	*	19,918	*	4,795
Maize	88,826	41,663	11,738	82,182	26,028	10,790	8,906	4,115
Sorghum	21,064	1,508	*	6,201	1,170	2,129	*	*
Finger millet	-	-	-	-	-	-	-	-
Oats / 'Aja'	*	*	*	*	*	*	*	*
Rice	-	-	-	-	-	-	-	-
Pulses	64,539	12,340	5,395	22,402	3,367	11,796	4,724	1,847
Horse / Faba beans	9,726	1,477	*	12,097	1,112	*	*	*
Field Peas	2,832	*	*	-	-	*	*	*
Haricot beans	21,461	7,317	2,450	10,656	*	9,157	4,137	1,654
Chick peas	17,271	*	*	*	*	*	*	*
Lentils	9,983	3,104	2,205	*	*	*	*	*
Vetch / Grass peas	3,087	*	*	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	*	*	-	*	*	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	*	*	*	*	*	*	*	*
Neug	-	-	-	-	-	-	-	-
Linseed	*	*	*	-	-	*	*	*
Groundnuts	-	-	-	-	-	-	-	-
Safflower	*	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Rapeseed	*	*	*	*	*	*	*	*
Vegetables	1,782	1,423	3,581	22,497	393	1,758	*	*
Lettuce	*	*	-	*	*	-	-	-
Head cabbage	*	*	*	*	*	*	*	*
Ethiopian cabbage	723	445	*	16,216	293	*	*	*
Tomatoes	655	653	*	2,558	*	-	-	-
Green peppers	69	42	*	8,380	42	*	*	*
Red peppers	*	*	*	*	*	*	*	*
Swiss chard	-	-	-	-	-	-	-	-
Root crops	1,694	1,364	*	15,435	*	1,913	*	*
Beetroot	*	*	*	*	*	-	-	-
Carrot	*	*	-	*	*	-	-	-
Onion	*	*	*	2,931	*	1,566	*	*
Potatoes	*	*	*	*	*	*	*	*
Garlic	45	37	*	11,017	30	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	*	*	*	*	*	*
Other Temporary	362	*	*	9,910	*	*	*	*
Permanent crops	27	*	*	2,482	*	*	*	*
Avocado	*	*	*	*	*	*	*	*
Bananas	*	*	*	*	*	*	*	*
Guava	-	-	-	-	-	-	-	-
Lemons	*	-	-	-	-	-	-	-
Mangoes	*	-	-	-	-	-	-	-
Oranges	*	*	*	*	*	*	*	*
Papayas	6	*	*	1,485	*	*	*	*
Pineapples	-	-	-	-	-	-	-	-
Stimulant	987	443	*	18,037	266	*	*	*
Chat	*	*	*	*	*	*	*	*
Coffee	*	*	*	*	*	*	*	*
Hops / 'Geshe'	572	269	*	17,367	259	*	*	*
Enset	-	-	-	-	-	-	-	-
Sugar cane	*	*	*	*	*	*	*	*
Other permanent	*	*	*	*	*	*	*	*

(Table 1.4.7 cont'd.)

East Shewa

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	19,506	6,397	6,245	139,692	181,034	224,632	279,046	426,876	371,690
Cereals	17,054	5,672	*	137,517	175,692	213,922	269,002	359,810	289,839
Teff	5,753	2,047	1,427	123,581	127,894	140,683	198,496	191,818	113,306
Barley	*	*	*	17,523	3,212	4,665	54,725	10,591	24,450
Wheat	*	*	*	76,548	40,942	64,740	109,677	51,703	100,722
Maize	8,941	*	*	9,947	3,537	3,628	170,929	84,513	47,316
Sorghum	-	-	-	*	*	*	48,677	21,064	3,815
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	*	*	*	2,297	*	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	2,770	377	*	13,926	3,873	3,398	149,562	62,211	81,765
Horse / Faba beans	-	-	-	*	*	*	61,445	9,652	15,302
Field Peas	-	-	-	*	*	*	14,337	2,832	4,181
Haricot beans	*	*	*	3,913	*	*	75,722	21,030	23,882
Chick peas	-	-	-	*	*	*	39,331	16,512	25,345
Lentils	2,100	*	*	9,428	2,484	2,074	36,676	8,920	9,134
Vetch / Grass peas	-	-	-	*	*	*	17,413	3,087	3,763
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	2,655	*	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	4,206	*	86
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	1,972	*	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	*	*	*
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	*	*	*
Vegetables	*	*	*	2,713	*	*	39,846	1,689	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	-	-	-	*	*	*	*	*	-
Ethiopian cabbage	*	*	*	*	*	*	27,383	723	-
Tomatoes	*	*	*	*	*	*	4,475	*	-
Green peppers	-	-	-	-	-	-	12,495	69	-
Red peppers	-	-	-	-	-	-	*	*	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	*	*	*	*	28,058	1,474	-
Beetroot	-	-	-	*	*	*	*	*	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	*	*	*	*	*	*	11,169	*	-
Potatoes	-	-	-	*	*	*	*	*	-
Garlic	-	-	-	*	*	*	15,425	45	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	*	*	-
Other Temporary	*	*	*	*	*	*	17,083	357	-
Permanent crops							4,475	*	
Avocado							*	*	
Bananas							*	*	
Guava							-	-	
Lemons							*	*	
Mangoes							*	*	
Oranges							*	*	
Papayas							*	*	
Pineapples							-	-	
Stimulant							28,843	987	
Chat							*	*	
Coffee							2,571	*	
Hops / 'Gesho'							25,817	572	
Enset							-	-	
Sugar cane							*	*	
Other permanent							*	*	

(Table 1.4.7 Cont'd.)

East Shewa

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	20,364	12,573	13,284	169,271	219,205	16,300	*	57,408	64,277
Cereals	14,478	9,921	10,699	164,478	208,082	*	*	52,281	52,230
Teff	4,916	*	1,243	139,470	148,269	*	*	29,370	23,668
Barley	*	*	*	23,850	5,367	-	-	*	1,057
Wheat	5,218	3,332	8,434	84,117	38,576	-	-	18,699	*
Maize	*	*	*	23,994	14,487	*	*	28,502	16,989
Sorghum	-	-	-	4,726	*	-	-	*	*
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	*	*	-	-	*	*
Rice	-	-	-	-	-	-	-	-	-
Pulses	4,381	2,328	*	24,205	9,193	*	*	21,434	11,322
Horse / Faba beans	*	*	*	*	*	*	*	*	*
Field Peas	-	-	-	*	*	-	-	*	*
Haricot beans	*	*	*	*	*	-	-	8,826	3,132
Chick peas	*	*	*	*	*	-	-	*	*
Lentils	2,674	*	*	14,989	4,285	-	-	8,537	2,646
Vetch / Grass peas	-	-	-	*	*	-	-	*	*
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	*	*	-	-	*	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	*	*	-	3,102	*	2,642	*	2,200	*
Lettuce	*	*	-	-	-	-	-	-	-
Head cabbage	*	*	-	*	*	-	-	*	*
Ethiopian cabbage	*	*	-	*	*	*	*	*	*
Tomatoes	*	*	-	1,496	*	*	*	*	*
Green peppers	*	*	-	*	*	*	*	*	*
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	-	4,442	*	3,237	*	*	*
Beetroot	-	-	-	*	*	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	*	*	-	3,439	*	2,041	*	*	*
Potatoes	-	-	-	*	*	*	*	*	*
Garlic	-	-	-	*	*	*	*	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	*	*	*	*	*	*
Other Temporary	*	*	-	*	*	*	*	*	*
Permanent crops				*	*	*	*	*	*
Avocado	-	-	-	-	-	-	-	-	-
Bananas	-	-	-	-	-	*	*	-	-
Guava	-	-	-	-	-	-	-	-	-
Lemons	-	-	-	-	-	-	-	-	-
Mangoes	-	-	-	-	-	-	-	-	-
Oranges	*	*	*	*	*	*	*	-	-
Papayas	*	*	*	*	*	*	*	*	*
Pineapples	-	-	-	-	-	-	-	-	-
Stimulant	-	-	-	*	*	*	*	*	*
Chat	-	-	-	*	*	*	*	-	-
Coffee	-	-	-	-	-	*	*	*	*
Hops / 'Gesho'	-	-	-	*	*	*	*	*	*
Enset	-	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	*	*	*	*	*	*
Other permanent	-	-	-	-	-	*	*	-	-

Table1.4.8 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Arsi

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	594,538	447,721	232,645	276,796	66,646	349,527	365,183	220,663
Cereals	492,426	384,159	209,034	165,277	45,070	340,167	325,113	200,354
Teff	82,352	57,850	26,941	20,488	4,716	117,431	47,795	23,277
Barley	103,139	93,057	53,900	34,543	5,784	174,618	86,535	53,425
Wheat	199,853	186,007	119,952	22,378	6,525	246,529	173,290	116,306
Maize	71,787	40,829	7,322	111,814	23,898	53,577	15,359	6,607
Sorghum	33,904	5,670	577	21,122	4,031	10,790	1,510	402
Finger millet	-	-	-	-	-	-	-	-
Oats / 'Aja'	1,391	746	342	*	*	7,942	624	336
Rice	-	-	-	-	-	-	-	-
Pulses	59,967	41,656	15,110	74,798	10,444	102,977	30,274	14,451
Horse / Faba beans	33,712	25,141	8,839	52,462	7,356	78,624	17,343	8,685
Field Peas	14,410	9,968	3,855	6,412	1,244	30,483	8,610	3,716
Haricot beans	8,534	*	*	16,332	1,258	10,430	*	*
Chick peas	649	*	-	*	*	-	-	-
Lentils	1,289	407	93	*	*	7,515	359	86
Vetch / Grass peas	715	*	*	*	*	*	*	*
Soya beans	*	*	-	*	*	-	-	-
Fenugreek	574	*	*	*	*	*	*	*
Gibto	-	-	-	-	-	-	-	-
Oilseeds	14,084	*	*	5,340	*	10,165	*	*
Neug	*	*	*	*	*	*	*	*
Linseed	12,261	*	*	3,116	*	*	*	*
Groundnuts	*	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	*	-	-	-	-	-	-	-
Rapeseed	*	*	*	*	*	*	*	*
Vegetables	1,913	1,469	*	65,172	990	5,823	*	*
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	*	*	-	-	-
Ethiopian cabbage	649	518	*	49,721	502	1,880	*	*
Tomatoes	*	*	*	*	*	*	*	*
Green peppers	176	133	*	15,222	97	*	*	*
Red peppers	*	*	*	*	*	*	*	*
Swiss chard	*	*	-	*	*	-	-	-
Root crops	12,150	10,194	6,988	68,560	3,104	23,704	*	4,550
Beetroot	195	*	*	14,237	*	*	*	*
Carrot	*	*	*	15,929	*	*	*	*
Onion	*	*	*	*	*	*	*	*
Potatoes	1,668	1,292	*	8,008	311	11,176	*	*
Garlic	972	*	*	24,673	*	3,173	*	*
Taro 'Godere'	*	*	-	*	*	-	-	-
Sweet potatoes	*	*	-	*	*	-	-	-
Other Temporary	*	*	*	43,268	397	*	*	*
Permanent crops	*	87	*	10,082	87	*	*	*
Avocado	-	-	-	-	-	-	-	-
Bananas	*	62	*	6,261	62	*	*	*
Guava	*	*	*	*	*	*	*	*
Lemons	*	-	-	-	-	-	-	-
Mangoes	-	-	-	-	-	-	-	-
Oranges	*	*	*	*	*	*	*	*
Papayas	*	*	*	*	*	*	*	*
Pineapples	-	-	-	-	-	-	-	-
Stimulant	10,714	5,403	*	60,287	5,374	*	*	*
Chat	3,233	*	*	25,695	*	*	*	*
Coffee	7,190	3,250	*	31,624	3,229	*	*	*
Hops / 'Geshe'	290	231	*	17,539	223	*	*	*
Enset	269	243	*	22,726	243	*	*	*
Sugar cane	*	*	*	*	*	*	*	*
Other permanent	7	*	*	*	*	*	*	*

(Table 1.4.8 Cont'd.)

Arsi

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	58,167	25,252	38,425	315,689	293,035	6,785	*	67,369	61,743
Cereals	56,830	24,778	37,930	308,226	275,815	*	*	63,393	55,284
Teff	-	-	-	123,421	52,594	-	-	11,189	*
Barley	7,555	2,060	3,982	131,954	59,151	*	*	25,637	12,376
Wheat	38,715	17,638	31,122	229,351	155,136	*	*	35,497	33,320
Maize	16,506	5,080	2,826	13,333	*	*	*	24,409	4,631
Sorghum	-	-	-	6,889	1,718	-	-	2,044	*
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	7,135	672	-	-	*	*
Rice	-	-	-	-	-	-	-	-	-
Pulses	1,930	*	*	42,330	9,986	-	-	14,813	*
Horse / Faba beans	*	*	*	24,902	5,030	-	-	9,092	1,533
Field Peas	-	-	-	16,045	*	-	-	*	*
Haricot beans	*	*	*	*	*	-	-	*	*
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	*	*	-	-	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	*	*
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	*	*	-	-	*	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	3,582	*	-	-	*	*
Neug	-	-	-	*	*	-	-	-	-
Linseed	-	-	-	2,691	*	-	-	*	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	*	*	-	-	*	*
Vegetables	-	-	-	*	*	*	*	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	*	*
Ethiopian cabbage	-	-	-	*	*	*	*	*	*
Tomatoes	-	-	-	*	*	-	-	-	-
Green peppers	-	-	-	*	*	*	*	-	-
Red peppers	-	-	-	*	*	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	-	19,604	*	3,500	*	*	*
Beetroot	*	*	-	-	-	*	*	-	-
Carrot	-	-	-	-	-	-	-	*	*
Onion	-	-	-	*	*	*	*	*	*
Potatoes	-	-	-	*	*	-	-	*	*
Garlic	-	-	-	*	*	*	*	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	-	-	-	-	-	-	-
Other Temporary	-	-	-	*	*	*	*	*	*
Permanent crops	-	-	-	-	-	*	*	-	-
Avocado	-	-	-	-	-	-	-	-	-
Bananas	-	-	-	-	-	*	*	-	-
Guava	-	-	-	-	-	-	-	-	-
Lemons	-	-	-	-	-	-	-	-	-
Mangoes	-	-	-	-	-	-	-	-	-
Oranges	-	-	-	-	-	-	-	-	-
Papayas	-	-	-	-	-	*	*	-	-
Pineapples	-	-	-	-	-	-	-	-	-
Stimulant	*	*	-	*	*	*	*	*	*
Chat	-	-	-	*	*	*	*	-	-
Coffee	*	*	-	-	-	*	*	*	*
Hops / 'Gesho'	-	-	-	-	-	*	*	-	-
Enset	-	-	-	-	-	*	*	-	-
Sugar cane	-	-	-	-	-	-	-	-	-
Other permanent	-	-	-	-	-	*	*	-	-

Table1.4.9 Number of Holders, Inputs Applied Area and Quantity of Inputs used

West Harerge

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	302,887	158,485	41,617	255,820	104,747	72,140	39,983	27,995
Cereals	207,385	111,830	23,674	228,253	75,350	68,388	27,341	15,995
Teff	17,432	6,650	2,313	25,060	2,688	*	*	*
Barley	4,954	2,532	*	42,315	1,896	7,293	*	*
Wheat	3,932	1,987	*	20,793	1,079	*	*	*
Maize	54,389	33,434	12,864	176,523	19,242	50,197	11,504	8,469
Sorghum	124,808	66,535	6,438	149,873	50,075	36,691	12,599	4,080
Finger millet	1,668	*	*	5,686	310	*	*	*
Oats / 'Aja'	203	*	*	4,642	*	*	*	*
Rice	-	-	-	-	-	-	-	-
Pulses	19,320	10,095	3,869	93,107	6,377	24,947	3,152	2,889
Horse / Faba beans	1,507	527	-	10,567	527	-	-	-
Field Peas	580	*	-	3,015	*	-	-	-
Haricot beans	14,665	8,565	3,721	69,330	5,093	22,594	2,979	2,779
Chick peas	1,212	350	*	2,492	*	*	*	*
Lentils	*	58	-	4,010	58	-	-	-
Vetch / Grass peas	*	*	-	*	*	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	613	439	*	22,347	411	*	*	*
Gibto	-	-	-	-	-	-	-	-
Oilseeds	4,464	*	389	25,354	*	4,769	222	250
Neug	*	*	*	-	-	-	-	-
Linseed	640	233	*	12,087	204	*	*	*
Groundnuts	*	264	*	*	*	2,650	*	*
Safflower	-	-	-	-	-	-	-	-
Sesame	*	*	-	11,172	*	-	-	-
Rapeseed	*	*	-	*	*	-	-	-
Vegetables	4,818	*	*	42,892	*	*	*	*
Lettuce	*	-	-	-	-	-	-	-
Head cabbage	*	*	-	*	*	-	-	-
Ethiopian cabbage	6	*	-	*	*	-	-	-
Tomatoes	*	*	-	2,675	*	-	-	-
Green peppers	85	62	*	18,872	51	*	*	*
Red peppers	3,935	*	*	21,371	*	*	*	*
Swiss chard	*	-	-	-	-	-	-	-
Root crops	13,844	6,126	1,184	91,285	4,052	16,799	1,173	731
Beetroot	*	*	-	*	*	-	-	-
Carrot	*	*	-	*	*	-	-	-
Onion	2,499	1,462	*	22,818	842	*	*	*
Potatoes	*	*	-	*	*	-	-	-
Garlic	*	*	-	*	*	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	11,035	4,632	743	75,633	3,178	10,892	*	*
Other Temporary	1,012	676	*	50,070	669	*	*	*
Permanent crops	907	462		28,021	461			
Avocado	*	-	-	-	-	-	-	-
Bananas	801	*		21,144	*			
Guava	*	*		*	*			
Lemons	*	*		*	*			
Mangoes	*	*		*	*			
Oranges	*	*		*	*			
Papayas	23	16		4,819	16			
Pineapples	-	-		-	-			
Stimulant	50,033	23,570		145,941	14,198			
Chat	32,145	14,611		101,988	9,428			
Coffee	17,822	8,925		80,898	4,736			
Hops / 'Geshe'	*	*		*	*			
Enset	-	-		-	-			
Sugar cane	940	*		17,060	*			
Other permanent	163	73		13,034	73			

(Table 1.4.9 cont'd.)

West Harerge

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	18,635	7,399	4,072	22,191	6,356	9,551	373,562	300,427	105,573
Cereals	14,468	5,128	2,659	19,419	4,012	5,020	364,914	206,124	87,480
Teff	*	*	*	*	*	*	83,413	17,033	5,896
Barley	*	*	*	*	*	*	81,253	4,954	9,021
Wheat	*	*	*	*	*	*	42,745	3,923	5,590
Maize	7,514	*	*	13,483	1,553	3,297	295,293	53,571	28,039
Sorghum	8,209	*	1,212	5,339	735	*	291,673	124,772	37,782
Finger millet	*	*	*	-	-	-	24,019	1,668	795
Oats / 'Aja'	-	-	-	-	-	-	9,487	203	356
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	*	2,486	166	*	185,416	19,320	16,760
Horse / Faba beans	-	-	-	-	-	-	25,748	1,507	1,866
Field Peas	-	-	-	-	-	-	11,352	580	*
Haricot beans	*	*	*	2,486	166	*	147,287	14,665	12,799
Chick peas	*	*	*	-	-	-	15,300	1,212	729
Lentils	-	-	-	-	-	-	13,724	*	348
Vetch / Grass peas	-	-	-	-	-	-	*	*	*
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	*	*	*	-	-	-	33,286	613	278
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	*	*	*	*	*	*	75,141	4,464	1,333
Neug	-	-	-	*	*	*	*	*	*
Linseed	*	*	*	*	*	*	38,726	640	291
Groundnuts	*	*	*	-	-	-	13,942	*	*
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	21,908	*	*
Rapeseed	-	-	-	-	-	-	*	*	*
Vegetables	*	*	*	*	*	*	81,458	4,288	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	-	-	-	-	-	-	*	*	-
Ethiopian cabbage	-	-	-	-	-	-	2,243	6	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	23,269	85	-
Red peppers	*	*	*	*	*	*	53,208	3,888	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	4,036	*	161	3,594	*	*	206,811	13,533	-
Beetroot	-	-	-	-	-	-	*	*	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	*	*	*	*	*	*	51,629	2,197	-
Potatoes	-	-	-	-	-	-	*	*	-
Garlic	-	-	-	-	-	-	*	*	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	2,479	*	*	1,618	*	*	174,043	11,035	-
Other Temporary	-	-	-	-	-	-	65,890	1,012	-
Permanent crops							53,334	907	
Avocado							*	*	
Bananas							38,371	801	
Guava							9,369	*	
Lemons							*	*	
Mangoes							6,239	*	
Oranges							*	*	
Papayas							5,547	23	
Pineapples							-	-	
Stimulant							284,050	49,684	
Chat							247,192	32,145	
Coffee							136,926	17,473	
Hops / 'Gesho'							5,033	*	
Enset							-	-	
Sugar cane							26,784	940	
Other permanent							20,786	154	

(Table 1.4.9 Cont'd.)

West Harerge

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	26,106	2,460	473	22,301	4,562	71,095	15,893	29,419	10,529
Cereals	11,075	*	473	5,722	*	42,041	5,572	26,407	7,854
Teff	*	*	*	*	*	*	*	5,743	*
Barley	-	-	-	*	*	*	*	*	*
Wheat	*	*	*	-	-	*	*	*	*
Maize	*	*	*	1,742	*	24,821	1,322	22,061	5,216
Sorghum	*	*	*	2,685	*	18,646	2,362	7,045	1,466
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	*	*	*	*	6,931	618
Horse / Faba beans	-	-	-	-	-	*	*	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	*	*	*	*	6,477	618
Chick peas	-	-	-	-	-	*	*	-	-
Lentils	-	-	-	-	-	-	-	*	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	*	*	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	*	*	3,264	*	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	*	*	*	*	*	*
Groundnuts	-	-	-	-	-	*	*	*	*
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	*	*	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	*	*	-	*	*	*	*	1,663	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	-	-	*	*	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	*	*	-	-	-	*	*	*	*
Green peppers	-	-	-	-	-	*	*	*	*
Red peppers	*	*	-	*	*	-	-	*	*
Swiss chard	*	*	-	-	-	-	-	-	-
Root crops	*	*	-	*	*	19,816	701	3,411	*
Beetroot	*	*	-	-	-	*	*	*	*
Carrot	*	*	-	-	-	-	-	-	-
Onion	*	*	-	-	-	*	*	*	*
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	*	*	18,067	634	*	*
Other Temporary	*	*	-	*	*	2,032	*	*	*
Permanent crops	-	-	-	-	-	25,049	*	-	-
Avocado	-	-	-	-	-	*	*	-	-
Bananas	-	-	-	-	-	24,025	*	-	-
Guava	-	-	-	-	-	*	*	-	-
Lemons	-	-	-	-	-	*	*	-	-
Mangoes	-	-	-	-	-	*	*	-	-
Oranges	-	-	-	-	-	*	*	-	-
Papayas	-	-	-	-	-	*	*	-	-
Pineapples	-	-	-	-	-	-	-	-	-
Stimulant	9,713	349	-	19,189	2,103	59,282	7,461	9,885	*
Chat	-	-	-	17,847	2,055	42,262	4,489	6,148	667
Coffee	9,713	349	-	2,355	*	31,280	*	*	*
Hops / 'Geshe'	-	-	-	*	*	*	*	*	*
Enset	-	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	20,228	*	*	*
Other permanent	-	-	-	-	-	*	*	-	-

Table1.4.10 Number of Holders, Inputs Applied Area and Quantity of Inputs used

East Harerge

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	355,413	228,364	170,965	411,096	126,743	45,119	13,307	12,055
Cereals	215,879	139,881	87,936	355,250	78,475	40,625	9,577	7,452
Teff	10,652	*	*	44,394	*	*	*	*
Barley	4,566	2,668	1,195	59,863	1,966	*	*	*
Wheat	12,032	8,853	3,733	71,699	5,844	*	*	*
Maize	53,678	40,623	47,284	259,964	21,897	22,881	2,060	3,031
Sorghum	133,752	78,234	33,913	225,093	42,611	18,666	4,479	2,604
Finger millet	-	-	-	-	-	-	-	-
Oats / 'Aja'	*	*	*	*	*	*	*	*
Rice	-	-	-	-	-	-	-	-
Pulses	13,846	9,321	*	136,771	7,658	3,033	*	*
Horse / Faba beans	4,437	*	*	30,453	*	-	-	-
Field Peas	1,493	*	-	6,979	*	-	-	-
Haricot beans	6,227	4,140	*	87,102	2,917	2,321	*	*
Chick peas	*	*	*	*	*	-	-	-
Lentils	*	*	*	*	*	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	1,183	942	159	38,541	659	*	*	*
Gibto	-	-	-	-	-	-	-	-
Oilseeds	25,500	11,488	*	68,169	5,529	6,869	*	*
Neug	*	*	-	*	*	-	-	-
Linseed	3,135	*	*	29,576	722	*	*	*
Groundnuts	21,527	9,365	*	33,277	4,325	*	*	*
Safflower	-	-	-	-	-	-	-	-
Sesame	*	*	-	*	*	-	-	-
Rapeseed	*	*	-	*	*	-	-	-
Vegetables	153	127	*	16,685	103	-	-	-
Lettuce	*	*	*	*	*	-	-	-
Head cabbage	*	*	*	*	*	-	-	-
Ethiopian cabbage	*	*	*	*	*	-	-	-
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	48	45	-	10,237	45	-	-	-
Red peppers	*	*	-	3,500	*	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
Root crops	13,449	7,702	6,792	151,033	5,265	6,286	326	195
Beetroot	*	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	*	*	*	*	*	-	-	-
Potatoes	1,936	1,825	*	16,496	*	*	*	*
Garlic	*	*	*	14,312	*	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	11,067	5,529	3,633	127,422	4,513	3,105	*	87
Other Temporary	1,588	1,343	*	102,909	1,299	-	-	-
Permanent crops	1,212	565	*	55,253	520	*	*	*
Avocado	*	*	*	*	*	-	-	-
Bananas	843	388	*	33,475	388	*	*	*
Guava	*	*	*	*	*	-	-	-
Lemons	*	-	-	-	-	-	-	-
Mangoes	*	*	*	3,015	*	-	-	-
Oranges	*	*	*	*	*	-	-	-
Papayas	*	*	*	6,617	*	-	-	-
Pineapples	-	-	-	-	-	-	-	-
Stimulant	83,170	57,782	*	295,149	27,739	*	*	*
Chat	77,425	54,209	*	263,449	24,609	-	-	-
Coffee	5,736	3,573	*	90,078	3,130	-	-	-
Hops / 'Geshe'	*	-	-	-	-	-	-	-
Enset	*	*	*	*	*	-	-	-
Sugar cane	*	*	*	8,535	*	-	-	-
Other permanent	53	*	*	11,952	*	-	-	-

(Table 1.4.10 cont'd.)

East Harerge

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	116,211	57,046	66,076	96,434	31,268	92,834	576,169	345,373	133,181
Cereals	105,502	33,028	32,985	95,406	18,801	47,499	558,075	206,311	104,094
Teff	*	*	*	*	*	*	73,051	10,652	*
Barley	*	*	*	6,306	291	790	89,879	4,566	9,828
Wheat	15,096	1,142	1,320	14,936	1,057	1,640	135,157	11,740	18,339
Maize	69,940	5,975	11,074	82,226	10,690	33,180	416,138	44,433	26,450
Sorghum	72,925	25,675	20,329	32,084	5,469	10,980	435,774	133,721	43,602
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	*	*	*	*	*	*	*	*	*
Rice	-	-	-	-	-	-	-	-	-
Pulses	17,521	884	*	12,097	632	3,558	207,888	13,541	16,866
Horse / Faba beans	*	*	*	*	*	*	48,094	4,164	5,950
Field Peas	-	-	-	-	-	-	13,359	1,493	1,437
Haricot beans	*	*	*	10,785	*	*	136,806	6,195	5,403
Chick peas	*	*	*	*	*	*	*	*	*
Lentils	*	*	*	*	*	*	13,264	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	5,554	*	*	*	*	*	58,187	1,183	680
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	*	*	*	*	*	*	164,765	25,500	12,220
Neug	-	-	-	-	-	-	*	*	*
Linseed	*	*	*	*	*	*	63,817	3,135	616
Groundnuts	*	*	*	*	*	*	98,402	21,527	11,494
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	*	*	*
Rapeseed	-	-	-	-	-	-	*	*	*
Vegetables	*	*	*	*	*	*	20,717	153	-
Lettuce	-	-	-	*	*	*	*	*	-
Head cabbage	-	-	-	*	*	*	*	*	-
Ethiopian cabbage	*	*	*	-	-	-	*	*	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	10,854	48	-
Red peppers	-	-	-	-	-	-	4,731	*	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	28,832	1,396	2,740	18,019	714	3,858	310,302	13,366	-
Beetroot	-	-	-	-	-	-	*	*	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	*	*	*	-	-	-	9,036	*	-
Potatoes	*	*	*	*	*	*	40,717	1,907	-
Garlic	*	*	*	-	-	-	16,024	*	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	13,453	*	*	13,661	408	2,377	275,572	11,067	-
Other Temporary	*	*	*	*	*	*	120,529	1,588	-
Permanent crops							83,051	1,211	
Avocado							17,804	*	
Bananas							50,072	842	
Guava							7,353	*	
Lemons							*	*	
Mangoes							9,220	*	
Oranges							*	*	
Papayas							7,884	*	
Pineapples							-	-	
Stimulant							523,338	83,087	
Chat							505,215	77,415	
Coffee							139,796	5,663	
Hops / 'Geshe'							*	*	
Enset							*	*	
Sugar cane							20,831	*	
Other permanent							16,666	53	

(Table 1.4.10 Cont'd.)

East Harerge

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	72,582	10,040	4,199	8,754	*	130,111	28,323	138,439	42,971
Cereals	67,652	9,568	4,009	*	*	80,775	9,464	131,755	27,397
Teff	-	-	-	*	*	*	*	*	*
Barley	-	-	-	*	*	*	*	*	*
Wheat	*	*	*	*	*	*	*	9,881	752
Maize	63,352	9,244	3,465	*	*	56,195	3,123	115,092	14,477
Sorghum	*	*	*	*	*	42,234	*	51,270	11,435
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	*	*
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	*	*	*	7,863	*	27,492	1,566
Horse / Faba beans	*	*	*	-	-	*	*	*	*
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	*	*	*	-	-	4,611	*	22,393	1,357
Chick peas	-	-	-	-	-	-	-	*	*
Lentils	-	-	-	*	*	-	-	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	*	*	*	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	*	*	*	*	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	*	*	*	*	*	*
Groundnuts	-	-	-	-	-	*	*	*	*
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	*	*	-	-
Vegetables	-	-	-	-	-	*	*	*	*
Lettuce	-	-	-	-	-	*	*	*	*
Head cabbage	-	-	-	-	-	*	*	*	*
Ethiopian cabbage	-	-	-	-	-	-	-	*	*
Tomatoes	-	-	-	-	-	*	*	-	-
Green peppers	-	-	-	-	-	-	-	*	*
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	-	-	-	41,907	1,432	23,856	1,052
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	*	*	-	-	-	-	-	*	*
Potatoes	*	*	-	-	-	*	*	*	*
Garlic	*	*	-	-	-	*	*	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	30,494	921	16,746	471
Other Temporary	-	-	-	-	-	*	*	2,374	*
Permanent crops	-	-	-	-	-	27,218	583	*	*
Avocado	-	-	-	-	-	*	*	-	-
Bananas	-	-	-	-	-	25,991	559	*	*
Guava	-	-	-	-	-	-	-	-	-
Lemons	-	-	-	-	-	-	-	-	-
Mangoes	-	-	-	-	-	*	*	-	-
Oranges	-	-	-	-	-	-	-	-	-
Papayas	-	-	-	-	-	*	*	-	-
Pineapples	-	-	-	-	-	-	-	-	-
Stimulant	*	*	-	*	*	116,708	15,346	104,110	11,816
Chat	-	-	-	*	*	100,446	13,469	95,872	11,583
Coffee	*	*	-	*	*	49,377	1,877	15,150	233
Hops / 'Gescho'	-	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	10,469	*	*	*
Other permanent	-	-	-	-	-	*	*	-	-

Table1.4.11 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Bale

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	350,429	135,305	86,653	46,646	12,050	101,591	120,048	82,776
Cereals	260,984	128,684	85,555	26,973	7,748	100,139	117,937	81,910
Teff	41,286	5,241	*	4,678	1,197	7,309	*	*
Barley	47,251	22,644	13,167	2,449	345	45,968	22,298	13,167
Wheat	118,833	86,808	64,862	5,765	3,250	88,448	82,189	63,616
Maize	26,809	3,986	323	15,938	2,047	6,081	1,939	323
Sorghum	9,264	*	-	3,213	*	-	-	-
Finger millet	-	-	-	-	-	-	-	-
Oats / 'Aja'	17,464	9,467	6,309	*	*	25,767	9,044	4,190
Rice	*	-	-	-	-	-	-	-
Pulses	20,914	1,024	*	9,231	711	4,067	*	*
Horse / Faba beans	8,795	*	*	2,853	*	*	*	*
Field Peas	5,571	*	*	*	*	*	*	*
Haricot beans	3,160	*	*	5,116	265	*	*	*
Chick peas	*	*	-	*	*	-	-	-
Lentils	937	*	*	-	-	*	*	*
Vetch / Grass peas	*	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	728	*	-	*	*	-	-	-
Gibto	*	-	-	-	-	-	-	-
Oilseeds	29,553	1,881	*	*	*	1,460	*	*
Neug	*	-	-	-	-	-	-	-
Linseed	10,413	*	*	*	*	*	*	*
Groundnuts	*	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	18,855	*	*	*	*	*	*	*
Rapeseed	*	*	-	*	*	-	-	-
Vegetables	*	*	*	5,203	103	*	*	*
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	*	*	-	-	-
Ethiopian cabbage	264	*	-	2,164	*	-	-	-
Tomatoes	*	-	-	-	-	-	-	-
Green peppers	135	*	-	1,336	*	-	-	-
Red peppers	*	*	*	*	*	*	*	*
Swiss chard	*	-	-	-	-	-	-	-
Root crops	1,934	329	*	5,040	231	*	*	*
Beetroot	*	-	-	-	-	-	-	-
Carrot	*	-	-	-	-	-	-	-
Onion	484	*	*	1,944	*	*	*	*
Potatoes	*	38	*	*	*	*	*	*
Garlic	*	*	-	*	*	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	-	*	*	-	-	-
Other Temporary	*	*	-	9,776	*	-	-	-
Permanent crops	1,396	207	*	5,429	*	*	*	*
Avocado	*	-	-	-	-	-	-	-
Bananas	558	*	*	*	*	*	*	*
Guava	*	-	-	-	-	-	-	-
Lemons	*	-	-	-	-	-	-	-
Mangoes	321	*	*	*	*	*	*	*
Oranges	265	*	*	*	*	*	*	*
Papayas	*	*	*	*	*	*	*	*
Pineapples	-	-	-	-	-	-	-	-
Stimulant	23,074	1,793	*	9,657	1,112	*	*	*
Chat	10,753	*	*	4,293	536	*	*	*
Coffee	12,093	*	*	3,151	*	*	*	*
Hops / 'Geshe'	*	*	*	2,861	*	*	*	*
Enset	*	-	-	-	-	-	-	-
Sugar cane	*	-	-	-	-	-	-	-
Other permanent	*	*	*	*	*	*	*	*

(Table 1.4.11 cont'd.)

Bale

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	*	*	570	*	*	*	285,456	349,586	490,109
Cereals	*	*	*	*	*	*	255,248	260,149	460,887
Teff	*	*	*	*	*	*	92,412	41,286	16,654
Barley	-	-	-	-	-	-	111,638	47,183	99,190
Wheat	*	*	*	*	*	*	150,763	118,067	301,725
Maize	-	-	-	-	-	-	107,098	26,809	11,825
Sorghum	-	-	-	-	-	-	38,036	9,264	*
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	*	*	*	62,076	17,464	27,902
Rice	-	-	-	-	-	-	*	*	*
Pulses	-	-	-	-	-	-	86,611	20,914	19,897
Horse / Faba beans	-	-	-	-	-	-	34,929	8,795	10,634
Field Peas	-	-	-	-	-	-	22,266	5,571	6,475
Haricot beans	-	-	-	-	-	-	36,730	3,160	1,316
Chick peas	-	-	-	-	-	-	*	*	*
Lentils	-	-	-	-	-	-	9,493	937	*
Vetch / Grass peas	-	-	-	-	-	-	*	*	*
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	8,292	728	*
Gibto	-	-	-	-	-	-	*	*	*
Oilseeds	*	*	*	-	-	-	55,385	29,553	9,325
Neug	-	-	-	-	-	-	*	*	*
Linseed	-	-	-	-	-	-	23,255	10,413	7,280
Groundnuts	-	-	-	-	-	-	*	*	*
Safflower	-	-	-	-	-	-	-	-	-
Sesame	*	*	*	-	-	-	30,791	18,855	1,999
Rapeseed	-	-	-	-	-	-	*	*	-
Vegetables	-	-	-	-	-	-	34,275	*	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	2,454	*	-
Ethiopian cabbage	-	-	-	-	-	-	19,515	264	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	8,284	135	-
Red peppers	-	-	-	-	-	-	*	*	-
Swiss chard	-	-	-	-	-	-	*	*	-
Root crops	-	-	-	-	-	-	25,297	1,931	-
Beetroot	-	-	-	-	-	-	1,171	*	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	-	-	-	-	-	-	9,458	483	-
Potatoes	-	-	-	-	-	-	5,024	*	-
Garlic	-	-	-	-	-	-	*	*	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	*	*	-
Other Temporary	-	-	-	-	-	-	44,514	*	-
Permanent crops							24,952	1,391	
Avocado							*	*	
Bananas							15,676	558	
Guava							1,547	*	
Lemons							*	*	
Mangoes							8,429	*	
Oranges							6,953	265	
Papayas							6,912	*	
Pineapples							-	-	
Stimulant							79,946	23,073	
Chat							42,391	10,753	
Coffee							49,375	12,092	
Hops / 'Gescho'							9,990	*	
Enset							*	*	
Sugar cane							5,018	*	
Other permanent							3,143	*	

(Table 1.4.11 Cont'd.)

Bale

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	3,414	*	*	152,924	159,302	12,725	*	99,910	107,486
Cereals	*	*	*	151,563	158,083	*	861	98,273	103,773
Teff	-	-	-	34,689	16,713	-	-	12,255	*
Barley	*	*	*	70,147	30,504	-	-	38,718	18,052
Wheat	*	*	*	115,919	100,732	-	-	77,409	70,411
Maize	-	-	-	*	*	*	861	4,371	1,426
Sorghum	-	-	-	-	-	-	-	*	*
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	37,246	9,742	-	-	16,783	5,818
Rice	-	-	-	*	*	-	-	-	-
Pulses	-	-	-	*	*	-	-	*	*
Horse / Faba beans	-	-	-	*	*	-	-	*	*
Field Peas	-	-	-	*	*	-	-	*	*
Haricot beans	-	-	-	*	*	-	-	*	*
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	*	*	-	-	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	*	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	*	*	-	-	2,153	923
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	*	*	-	-	*	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	*	*	-	-	*	*
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	-	-	-	-	-	*	*	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	*	*	*	*
Ethiopian cabbage	-	-	-	-	-	-	-	*	*
Tomatoes	-	-	-	-	-	*	*	*	*
Green peppers	-	-	-	-	-	*	*	*	*
Red peppers	-	-	-	-	-	-	-	*	*
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	-	-	-	*	*	*	*
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	*	*	-	-	-	-	-	*	*
Onion	*	*	-	-	-	*	*	*	*
Potatoes	-	-	-	-	-	-	-	*	*
Garlic	-	-	-	-	-	-	-	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	*	*	-	-
Other Temporary	-	-	-	-	-	*	-	*	*
Permanent crops				*	*	6,291	*	*	*
Avocado				-	-	*	*	*	*
Bananas				-	-	5,191	*	-	-
Guava				-	-	*	*	-	-
Lemons				-	-	*	*	-	-
Mangoes				-	-	*	*	-	-
Oranges				*	*	*	*	*	*
Papayas				-	-	1,726	*	-	-
Pineapples				-	-	-	-	-	-
Stimulant	*	*	-	2,348	*	*	*	*	*
Chat				*	*	*	*	*	*
Coffee	*	*	-	*	*	*	*	*	*
Hops / 'Gescho'				-	-	-	-	*	*
Enset				-	-	-	-	-	-
Sugar cane				-	-	*	*	-	-
Other permanent				*	*	-	-	*	*

Table1.4.12 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Borena

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	61,040	14,797	-	52,947	14,797	-	-	-
Cereals	25,887	*	-	16,798	*	-	-	-
Teff	3,233	*	-	*	*	-	-	-
Barley	*	-	-	-	-	-	-	-
Wheat	3,482	*	-	*	*	-	-	-
Maize	9,703	*	-	11,341	*	-	-	-
Sorghum	*	*	-	*	*	-	-	-
Finger millet	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
Pulses	10,357	*	-	19,790	*	-	-	-
Horse / Faba beans	*	-	-	-	-	-	-	-
Field Peas	*	-	-	-	-	-	-	-
Haricot beans	9,368	*	-	17,488	*	-	-	-
Chick peas	*	*	-	*	*	-	-	-
Lentils	*	*	-	*	*	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	*	*	-	*	*	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-
Vegetables	923	247	-	17,495	247	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	*	-	-	-	-	-	-	-
Ethiopian cabbage	881	234	-	15,283	234	-	-	-
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	21	*	-	*	*	-	-	-
Red peppers	*	*	-	*	*	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
Root crops	1,095	*	-	16,403	*	-	-	-
Beetroot	*	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	-	-
Potatoes	*	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-
Taro 'Godere'	*	*	-	*	*	-	-	-
Sweet potatoes	966	*	-	10,665	*	-	-	-
Other Temporary	309	*	-	10,521	*	-	-	-
Permanent crops	743	*	-	19,188	*	-	-	-
Avocado	80	*	-	*	*	-	-	-
Bananas	557	*	-	*	*	-	-	-
Guava	*	*	-	*	*	-	-	-
Lemons	-	-	-	-	-	-	-	-
Mangoes	*	*	-	*	*	-	-	-
Oranges	*	*	-	*	*	-	-	-
Papayas	*	*	-	*	*	-	-	-
Pineapples	*	*	-	*	*	-	-	-
Stimulant	13,940	1,561	-	28,467	1,561	-	-	-
Chat	*	*	-	*	*	-	-	-
Coffee	12,569	1,555	-	28,180	1,555	-	-	-
Hops / 'Gescho'	*	-	-	-	-	-	-	-
Enset	7,084	*	-	27,464	*	-	-	-
Sugar cane	367	*	-	*	*	-	-	-
Other permanent	*	*	-	*	*	-	-	-

(Table 1.4.12 cont'd.)

Borena

[illegible]

(Table 1.4.12 Cont'd.)

Borena

[illegible]

Table 1.4.13. Number of Holders, Inputs Applied Area and Quantity of Inputs used

South West Shewa

Crop type	All	All Fertilizers		Natural		DAP		
	Crop Area	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	350,298	264,019	308,454	219,379	32,134	68,470	29,594	34,151
Cereals	257,104	227,606	286,372	112,654	14,259	57,220	22,242	24,864
Teff	143,142	125,154	152,295	5,820	1,317	16,470	5,981	3,580
Barley	20,440	19,363	23,954	22,399	1,651	29,075	9,734	13,129
Wheat	65,386	64,455	102,338	12,290	1,833	23,020	5,049	7,100
Maize	20,981	17,021	7,351	88,367	8,267	10,079	1,478	1,054
Sorghum	6,940	*	*	10,726	1,192	-	-	-
Finger millet	*	*	*	-	-	-	-	-
Oats / 'Aja'	*	*	*	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
Pulses	72,120	20,041	16,025	54,982	5,201	31,010	7,229	8,776
Horse / Faba beans	11,299	8,388	7,527	43,923	2,637	18,983	3,230	4,366
Field Peas	9,783	8,770	7,944	4,538	*	18,007	3,947	4,347
Haricot beans	*	*	-	*	*	-	-	-
Chick peas	34,119	*	*	5,632	*	-	-	-
Lentils	3,501	482	261	*	*	*	*	*
Vetch / Grass peas	10,937	*	-	4,352	*	-	-	-
Soya beans	*	*	*	-	-	-	-	-
Fenugreek	93	*	*	*	*	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	3,747	317	*	13,629	*	*	*	*
Neug	*	*	*	-	-	-	-	-
Linseed	1,121	-	-	-	-	-	-	-
Groundnuts	*	*	*	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Rapeseed	222	156	*	13,629	*	*	*	*
Vegetables	*	*	*	109,285	558	*	*	*
Lettuce	*	*	*	-	-	-	-	-
Head cabbage	30	17	*	5,569	*	*	*	*
Ethiopian cabbage	370	353	*	84,511	353	-	-	-
Tomatoes	*	*	-	1,352	*	-	-	-
Green peppers	196	151	*	41,238	114	*	*	*
Red peppers	*	*	*	*	*	*	*	*
Swiss chard	*	*	*	3,668	*	-	-	-
Root crops	1,036	990	*	70,672	757	5,476	*	*
Beetroot	42	25	*	12,830	25	*	*	*
Carrot	9	*	-	3,128	*	-	-	-
Onion	28	25	*	9,247	23	-	-	-
Potatoes	726	709	*	24,245	*	2,433	*	*
Garlic	213	205	*	37,253	154	2,692	*	*
Taro 'Godere'	*	*	-	*	*	-	-	-
Sweet potatoes	*	*	-	*	*	-	-	-
Other Temporary	367	255	*	45,241	232	-	-	-
Permanent crops	108	*	*	17,267	*	*	*	*
Avocado	*	*	*	2,402	*	-	-	-
Bananas	*	*	*	12,017	*	-	-	-
Guava	*	*	*	*	*	-	-	-
Lemons	*	*	*	*	*	-	-	-
Mangoes	*	*	*	*	*	-	-	-
Oranges	*	*	*	*	*	-	-	-
Papayas	*	*	*	*	*	-	-	-
Pineapples	-	-	-	-	-	-	-	-
Stimulant	2,832	2,160	*	77,610	2,139	*	*	*
Chat	1,962	1,323	*	36,876	1,308	-	-	-
Coffee	152	143	*	18,132	143	-	-	-
Hops / 'Gescho'	*	*	*	42,669	*	-	-	-
Enset	8,835	8,727	*	144,287	8,710	-	-	-
Sugar cane	71	*	*	14,701	*	-	-	-
Other permanent	20	14	*	6,073	14	-	-	-

(Table 1.4.13 cont'd.)

South West Shewa

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	15,583	*	*	191,864	194,441	268,283	277,677	339,779	401,835
Cereals	11,742	5,601	*	190,558	185,504	258,297	255,476	246,899	291,646
Teff	8,578	4,336	2,497	151,860	113,521	146,218	188,972	140,110	86,276
Barley	*	*	*	35,807	7,975	10,822	80,790	20,298	54,009
Wheat	1,383	*	*	130,099	57,413	95,018	162,824	63,253	138,992
Maize	*	*	*	27,300	6,214	5,833	125,877	16,084	9,734
Sorghum	-	-	-	*	*	*	36,535	6,940	2,173
Finger millet	-	-	-	*	*	*	*	*	*
Oats / 'Aja'	*	*	*	*	*	*	*	*	*
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	*	32,381	7,340	7,050	180,355	71,860	108,648
Horse / Faba beans	*	*	*	18,380	2,508	3,156	111,299	11,299	24,687
Field Peas	*	*	*	16,423	4,389	3,531	46,300	9,630	17,941
Haricot beans	-	-	-	-	-	-	11,158	*	*
Chick peas	*	*	*	*	*	*	74,888	34,119	47,518
Lentils	-	-	-	2,300	*	*	28,941	3,436	4,688
Vetch / Grass peas	-	-	-	-	-	-	51,636	10,895	11,717
Soya beans	-	-	-	*	*	*	*	*	*
Fenugreek	-	-	-	*	*	*	3,522	93	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	*	*	*	35,936	3,747	1,541
Neug	-	-	-	*	*	*	12,739	*	423
Linseed	-	-	-	-	-	-	6,297	1,121	937
Groundnuts	-	-	-	*	*	*	*	*	*
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	*	*	*	17,019	222	59
Vegetables	*	*	*	*	*	*	124,603	*	-
Lettuce	-	-	-	*	*	*	*	*	-
Head cabbage	*	*	*	*	*	*	7,385	*	-
Ethiopian cabbage	*	*	*	-	-	-	89,265	370	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	*	*	*	*	*	*	48,977	196	-
Red peppers	*	*	*	*	*	*	*	*	-
Swiss chard	-	-	-	*	*	*	4,301	*	-
Root crops	*	*	*	*	*	*	83,269	1,022	-
Beetroot	-	-	-	*	*	*	16,774	42	-
Carrot	-	-	-	-	-	-	3,803	9	-
Onion	*	*	*	-	-	-	9,857	28	-
Potatoes	-	-	-	*	*	*	30,654	715	-
Garlic	*	*	*	*	*	*	45,356	209	-
Taro 'Godere'	-	-	-	-	-	-	*	*	-
Sweet potatoes	-	-	-	-	-	-	*	*	-
Other Temporary	*	*	*	*	*	*	53,649	367	-
Permanent crops							22,805	108	
Avocado							5,806	*	
Bananas							13,780	*	
Guava							*	*	
Lemons							*	*	
Mangoes							*	*	
Oranges							*	*	
Papayas							*	*	
Pineapples							-	-	
Stimulant							87,963	2,831	
Chat							46,384	1,962	
Coffee							19,149	151	
Hops / 'Gesho'							49,605	*	
Enset							147,110	8,797	
Sugar cane							15,997	71	
Other permanent							8,525	20	

(Table 1.4.13 Cont'd.)

South West Shewa

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	29,845	10,519	7,446	191,166	173,267	*	*	24,662	7,088
Cereals	26,521	10,205	7,232	188,847	169,935	*	*	21,209	6,642
Teff	6,373	*	*	148,783	103,421	-	-	7,376	2,505
Barley	*	*	*	35,099	8,675	-	-	*	*
Wheat	5,476	2,134	4,861	129,662	56,113	-	-	6,366	2,166
Maize	16,697	*	*	5,515	*	*	*	9,097	1,705
Sorghum	-	-	-	*	*	-	-	*	*
Finger millet	-	-	-	*	*	-	-	-	-
Oats / 'Aja'	-	-	-	*	*	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	*	9,782	2,745	-	-	*	*
Horse / Faba beans	-	-	-	*	*	-	-	-	-
Field Peas	*	*	*	*	*	-	-	*	*
Haricot beans	-	-	-	-	-	-	-	-	-
Chick peas	-	-	-	*	*	-	-	*	*
Lentils	*	*	*	*	*	-	-	*	*
Vetch / Grass peas	*	*	*	*	*	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	*	*	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	*	*	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	*	*	-	-	-	*	*	*	*
Lettuce	*	*	-	-	-	-	-	*	*
Head cabbage	*	*	-	-	-	-	-	*	*
Ethiopian cabbage	-	-	-	-	-	*	*	-	-
Tomatoes	*	*	-	-	-	*	*	*	*
Green peppers	-	-	-	-	-	*	*	-	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	-	*	*	*	*	*	*
Beetroot	-	-	-	*	*	*	*	*	*
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	*	*	-	-
Potatoes	*	*	-	*	*	-	-	*	*
Garlic	*	*	-	*	*	*	*	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other Temporary	*	*	-	*	*	-	-	*	*
Permanent crops				-	-	*	*	-	-
Avocado				-	-	*	*	-	-
Bananas				-	-	*	*	-	-
Guava				-	-	-	-	-	-
Lemons				-	-	*	*	-	-
Mangoes				-	-	-	-	-	-
Oranges				-	-	-	-	-	-
Papayas				-	-	-	-	-	-
Pineapples				-	-	-	-	-	-
Stimulant	*	*	-	*	*	*	*	*	*
Chat				-	-	*	*	-	-
Coffee	*	*	-	*	*	*	*	*	*
Hops / 'Geshe'				*	*	*	*	-	-
Enset				-	-	*	*	-	-
Sugar cane				-	-	*	*	-	-
Other permanent				-	-	-	-	*	*

Table1.4.14 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Guji

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	193,756	37,489	7,232	83,354	28,222	17,116	9,007	7,111
Cereals	99,652	24,100	6,700	36,321	15,104	16,553	8,735	6,578
Teff	16,221	2,857	*	2,562	1,589	*	*	*
Barley	34,147	11,532	2,036	19,429	8,501	5,924	3,031	2,036
Wheat	15,514	4,965	2,833	5,649	*	7,001	*	2,833
Maize	33,553	4,736	*	24,279	3,525	*	*	*
Sorghum	*	*	*	-	-	*	*	*
Finger millet	*	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
Pulses	24,148	5,207	*	25,268	5,013	*	*	*
Horse / Faba beans	5,839	*	-	13,271	*	-	-	-
Field Peas	2,947	*	*	*	*	*	*	*
Haricot beans	15,362	*	-	11,725	*	-	-	-
Chick peas	*	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	*	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-
Linseed	*	-	-	-	-	-	-	-
Groundnuts	*	-	-	-	-	-	-	-
Safflower	*	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Rapeseed	*	-	-	-	-	-	-	-
Vegetables	2,088	677	-	41,978	677	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	*	*	-	-	-
Ethiopian cabbage	1,972	627	-	40,284	627	-	-	-
Tomatoes	-	-	-	-	-	-	-	-
Green peppers	71	*	-	*	*	-	-	-
Red peppers	*	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
Root crops	677	273	-	10,368	273	-	-	-
Beetroot	*	*	-	*	*	-	-	-
Carrot	*	-	-	-	-	-	-	-
Onion	*	*	-	*	*	-	-	-
Potatoes	289	*	-	4,372	*	-	-	-
Garlic	*	*	-	*	*	-	-	-
Taro 'Godere'	*	-	-	-	-	-	-	-
Sweet potatoes	*	*	-	*	*	-	-	-
Other Temporary	620	208	-	10,008	208	-	-	-
Permanent crops	1,519	*	-	8,006	*	-	-	-
Avocado	397	*	-	4,338	*	-	-	-
Bananas	943	*	-	*	*	-	-	-
Guava	-	-	-	-	-	-	-	-
Lemons	*	-	-	-	-	-	-	-
Mangoes	*	-	-	-	-	-	-	-
Oranges	*	*	-	*	*	-	-	-
Papayas	*	*	-	*	*	-	-	-
Pineapples	-	-	-	-	-	-	-	-
Stimulant	30,237	*	-	21,175	*	-	-	-
Chat	*	*	-	*	*	-	-	-
Coffee	28,573	2,041	-	20,858	2,041	-	-	-
Hops / 'Gescho'	*	-	-	-	-	-	-	-
Enset	34,014	4,742	-	51,957	4,665	-	-	-
Sugar cane	547	*	-	3,137	*	-	-	-
Other permanent	201	*	-	4,644	*	-	-	-

(Table 1.4.14 cont'd.)

Guji

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	*	*	*	-	-	-	239,449	190,126	110,887
Cereals	*	*	*	-	-	-	173,429	98,174	92,217
Teff	*	*	*	-	-	-	43,670	16,221	6,448
Barley	-	-	-	-	-	-	76,403	33,949	45,631
Wheat	-	-	-	-	-	-	36,929	15,463	26,647
Maize	-	-	-	-	-	-	117,374	32,324	13,101
Sorghum	-	-	-	-	-	-	*	*	*
Finger millet	-	-	-	-	-	-	*	*	*
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	-	-	-	106,571	24,148	18,657
Horse / Faba beans	-	-	-	-	-	-	52,180	5,839	6,005
Field Peas	-	-	-	-	-	-	12,424	2,947	2,531
Haricot beans	-	-	-	-	-	-	56,055	15,362	*
Chick peas	-	-	-	-	-	-	*	*	*
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	*	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	*	*	*
Groundnuts	-	-	-	-	-	-	*	*	-
Safflower	-	-	-	-	-	-	*	*	*
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	*	*	*
Vegetables	-	-	-	-	-	-	106,952	2,079	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	*	*	-
Ethiopian cabbage	-	-	-	-	-	-	102,535	1,972	-
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	-	7,209	71	-
Red peppers	-	-	-	-	-	-	*	*	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	-	-	-	-	-	-	24,700	656	-
Beetroot	-	-	-	-	-	-	*	*	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	*	*	-
Potatoes	-	-	-	-	-	-	6,311	289	-
Garlic	-	-	-	-	-	-	*	*	-
Taro 'Godere'	-	-	-	-	-	-	*	*	-
Sweet potatoes	-	-	-	-	-	-	6,244	*	-
Other Temporary	-	-	-	-	-	-	21,559	620	-
Permanent crops							39,349	1,519	
Avocado							15,973	397	
Bananas							25,779	943	
Guava							-	-	
Lemons							*	*	
Mangoes							*	*	
Oranges							*	*	
Papayas							*	*	
Pineapples							-	-	
Stimulant							94,417	28,210	
Chat							12,176	*	
Coffee							91,866	26,547	
Hops / 'Gesho'							*	*	
Enset							180,989	33,945	
Sugar cane							14,374	547	
Other permanent							13,176	175	

(Table 1.4.14 Cont'd.)

Guji

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	19,763	3,630	1,376	*	*	7,096	*	10,651	*
Cereals	*	*	1,376	*	*	*	*	6,026	*
Teff	-	-	-	-	-	-	-	-	-
Barley	*	*	*	*	*	*	*	*	*
Wheat	*	*	*	*	*	-	-	*	*
Maize	*	*	*	*	*	*	*	*	*
Sorghum	-	-	-	-	-	-	-	-	-
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	*	*	*	*	*	*
Horse / Faba beans	-	-	-	*	*	*	*	*	*
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	*	*	*	*
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	*	*	-	*	*	*	*	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	-	-	-	-	-	-
Ethiopian cabbage	*	*	-	*	*	*	*	*	*
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	*	*	*	*
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	-	-	-	*	*	*	*
Beetroot	*	*	-	-	-	*	*	*	*
Carrot	*	*	-	-	-	-	-	*	*
Onion	-	-	-	-	-	-	-	*	*
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other Temporary	-	-	-	*	*	*	*	-	-
Permanent crops				-	-	*	-	*	*
Avocado				-	-	-	-	*	*
Bananas				-	-	*	-	-	-
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	-	-	-	-
Oranges				-	-	-	-	-	-
Papayas				-	-	-	-	-	-
Pineapples				-	-	-	-	-	-
Stimulant	*	*	-	-	-	*	*	*	*
Chat				-	-	-	-	-	-
Coffee	*	*	-	-	-	*	*	*	*
Hops / 'Geshe'						-	-	-	-
Enset				*	*	*	*		
Sugar cane				-	-	*	*	-	-
Other permanent				-	-	-	-	*	*

Table1.4.15 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Kelem

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	191,529	19,402	5,989	62,378	13,207	3,048	*	417
Cereals	127,180	15,051	5,498	43,790	9,500	2,807	*	409
Teff	14,877	*	*	4,231	*	*	*	*
Barley	3,351	555	*	7,471	555	-	-	-
Wheat	6,481	*	*	4,539	*	*	*	*
Maize	53,985	9,436	4,523	38,170	6,044	*	*	*
Sorghum	30,680	1,158	*	8,091	1,122	*	*	*
Finger millet	17,647	*	-	3,088	*	-	-	-
Oats / 'Aja'	*	*	-	*	*	-	-	-
Rice	51	-	-	-	-	-	-	-
Pulses	13,077	1,093	-	16,777	1,093	-	-	-
Horse / Faba beans	4,436	*	-	*	*	-	-	-
Field Peas	2,535	*	-	*	*	-	-	-
Haricot beans	4,103	312	-	9,558	312	-	-	-
Chick peas	1,577	*	-	1,089	*	-	-	-
Lentils	*	-	-	-	-	-	-	-
Vetch / Grass peas	*	*	-	*	*	-	-	-
Soya beans	*	-	-	-	-	-	-	-
Fenugreek	188	*	-	3,336	*	-	-	-
Gibto	*	*	-	*	*	-	-	-
Oilseeds	7,182	165	*	3,215	153	-	-	-
Neug	3,297	*	-	*	*	-	-	-
Linseed	*	-	-	-	-	-	-	-
Groundnuts	*	*	-	*	*	-	-	-
Safflower	*	-	-	-	-	-	-	-
Sesame	*	-	-	*	-	-	-	-
Rapeseed	337	138	*	2,321	126	-	-	-
Vegetables	6,138	960	*	19,747	380	*	*	*
Lettuce	*	-	-	-	-	-	-	-
Head cabbage	72	*	-	2,980	*	-	-	-
Ethiopian cabbage	*	*	-	3,580	*	-	-	-
Tomatoes	*	-	-	-	-	-	-	-
Green peppers	101	*	-	*	*	-	-	-
Red peppers	5,813	*	*	15,610	319	*	*	*
Swiss chard	*	*	-	*	*	-	-	-
Root crops	884	213	*	14,753	166	-	-	-
Beetroot	21	*	-	2,469	*	-	-	-
Carrot	7	-	-	-	-	-	-	-
Onion	*	*	*	2,014	*	-	-	-
Potatoes	*	*	-	*	*	-	-	-
Garlic	40	*	-	1,835	*	-	-	-
Taro 'Godere'	182	32	-	5,979	32	-	-	-
Sweet potatoes	394	*	*	4,590	*	-	-	-
Other Temporary	554	163	-	12,874	163	-	-	-
Permanent crops	1,114	118		13,109	114			
Avocado	32	*		1,024	*			
Bananas	879	83		10,119	78			
Guava	*	*		*	*			
Lemons	*	*		*	*			
Mangoes	177	20		3,566	20			
Oranges	*	-		-	-			
Papayas	24	*		*	*			
Pineapples	*	*		*	*			
Stimulant	34,851	*		14,529	*			
Chat	935	*		3,194	*			
Coffee	33,873	*		11,510	*			
Hops / 'Geshe'	43	*		*	*			
Enset	346	67		8,495	67			
Sugar cane	113	*		*	*			
Other permanent	*	8		1,903	8			

(Table 1.4.15 Cont'd.)

Kelem

[illegible]

Table1.4.16 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Horoguduru

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	259,544	145,726	147,462	67,816	13,387	62,494	64,724	44,055
Cereals	185,113	134,256	140,024	49,325	9,873	59,898	57,970	40,844
Teff	72,220	58,692	38,045	5,781	1,582	51,356	49,800	33,306
Barley	12,210	4,862	2,838	14,669	2,066	4,668	1,045	815
Wheat	33,018	29,285	34,028	3,975	794	15,626	4,939	5,132
Maize	50,317	41,106	64,751	42,148	5,192	10,311	2,164	1,562
Sorghum	15,128	*	*	*	*	-	-	-
Finger millet	*	*	*	*	*	*	*	*
Oats / 'Aja'	136	*	*	*	*	-	-	-
Rice	*	-	-	-	-	-	-	-
Pulses	16,139	7,126	3,204	20,373	2,115	14,791	4,263	2,605
Horse / Faba beans	8,061	3,676	1,676	13,561	1,315	10,620	2,184	1,525
Field Peas	7,029	3,360	1,524	6,494	718	7,264	2,071	1,077
Haricot beans	550	*	-	*	*	-	-	-
Chick peas	*	*	-	*	*	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch / Grass peas	*	*	*	-	-	*	*	*
Soya beans	*	-	-	-	-	-	-	-
Fenugreek	94	34	*	6,025	33	*	*	*
Gibto	-	-	-	-	-	-	-	-
Oilseeds	54,906	3,625	3,816	9,235	748	5,254	*	483
Neug	41,831	3,067	*	1,713	563	*	*	*
Linseed	1,197	*	*	-	-	*	*	*
Groundnuts	*	-	-	-	-	-	-	-
Safflower	*	-	-	-	-	-	-	-
Sesame	9,169	-	-	-	-	-	-	-
Rapeseed	760	524	3,502	7,681	185	2,875	45	188
Vegetables	344	106	*	18,621	99	*	*	*
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	8	*	*	1,236	*	-	-	-
Ethiopian cabbage	4	*	-	*	*	-	-	-
Tomatoes	-	-	-	-	-	-	-	-
Green peppers	147	68	*	11,920	66	*	*	*
Red peppers	186	30	*	5,319	28	*	*	*
Swiss chard	-	-	-	-	-	-	-	-
Root crops	440	206	*	26,959	191	*	*	*
Beetroot	6	4	-	1,674	4	-	-	-
Carrot	*	*	-	*	*	-	-	-
Onion	65	38	*	6,809	28	*	*	*
Potatoes	*	*	-	*	*	-	-	-
Garlic	221	124	*	23,348	118	*	*	*
Taro 'Godere'	*	-	-	-	-	-	-	-
Sweet potatoes	*	*	-	727	*	-	-	-
Other Temporary	370	179	*	13,734	165	*	*	*
Permanent crops	95	11	*	1,694	11	*	*	*
Avocado	-	-	-	-	-	-	-	-
Bananas	47	*	*	*	*	-	-	-
Guava	-	-	-	-	-	-	-	-
Lemons	*	-	-	-	-	-	-	-
Mangoes	*	*	*	*	*	-	-	-
Oranges	*	*	*	*	*	-	-	-
Papayas	*	*	*	*	*	-	-	-
Pineapples	-	-	-	-	-	-	-	-
Stimulant	*	199	*	13,254	166	*	*	*
Chat	46	17	-	3,348	16	-	-	-
Coffee	*	19	-	3,614	18	-	-	-
Hops / 'Geshe'	453	163	*	11,896	132	*	*	*
Enset	22	*	-	*	*	-	-	-
Sugar cane	304	*	-	*	*	-	-	-
Other permanent	8	*	-	1,218	*	-	-	-

(Table 1.4.16 cont'd.)

Horoguduru

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	1,616	596	*	75,404	67,020	102,900	115,363	228,160	204,354
Cereals	1,469	590	*	75,257	65,824	98,733	113,773	153,823	173,855
Teff	*	*	*	14,017	7,275	4,720	83,668	72,220	59,760
Barley	-	-	-	8,928	1,751	2,024	44,809	12,199	27,330
Wheat	*	*	*	46,657	23,449	28,787	64,674	32,944	77,282
Maize	1,024	*	*	53,901	33,299	62,870	86,326	19,111	6,155
Sorghum	-	-	-	*	*	*	23,864	15,128	2,583
Finger millet	-	-	-	*	*	*	7,074	*	446
Oats / 'Aja'	-	-	-	*	*	*	2,969	136	*
Rice	-	-	-	-	-	-	*	*	*
Pulses	-	-	-	3,637	747	599	65,313	16,061	20,319
Horse / Faba beans	-	-	-	1,377	177	*	46,222	8,061	11,336
Field Peas	-	-	-	2,724	571	447	33,526	6,950	8,252
Haricot beans	-	-	-	-	-	-	5,967	550	*
Chick peas	-	-	-	-	-	-	*	*	*
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	*	*	*
Soya beans	-	-	-	-	-	-	*	*	*
Fenugreek	-	-	-	-	-	-	12,738	94	57
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	*	*	*	6,237	394	3,275	78,841	54,906	10,180
Neug	-	-	-	*	*	*	55,317	41,831	7,053
Linseed	-	-	-	-	-	-	3,676	1,197	*
Groundnuts	-	-	-	-	-	-	7,987	*	*
Safflower	-	-	-	-	-	-	*	*	*
Sesame	-	-	-	-	-	-	19,457	9,169	1,209
Rapeseed	*	*	*	6,072	288	3,256	22,377	760	83
Vegetables	-	-	-	*	*	*	34,773	344	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	*	*	*	2,314	8	-
Ethiopian cabbage	-	-	-	-	-	-	923	4	-
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	*	*	*	18,692	147	-
Red peppers	-	-	-	*	*	*	13,795	186	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	*	*	*	*	46,291	440	-
Beetroot	-	-	-	-	-	-	3,387	6	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	*	*	*	*	*	*	10,122	65	-
Potatoes	-	-	-	-	-	-	3,340	*	-
Garlic	-	-	-	*	*	*	38,623	221	-
Taro 'Godere'	-	-	-	-	-	-	*	*	-
Sweet potatoes	-	-	-	-	-	-	2,805	*	-
Other Temporary	-	-	-	*	*	*	27,157	370	-
Permanent crops							9,221	95	
Avocado							-	-	
Bananas							5,881	47	
Guava							-	-	
Lemons							*	*	
Mangoes							2,497	*	
Oranges							*	*	
Papayas							*	*	
Pineapples							-	-	
Stimulant							33,809	*	
Chat							7,107	46	
Coffee							8,874	*	
Hops / 'Gescho'							29,087	451	
Enset							2,614	22	
Sugar cane							6,473	304	
Other permanent							2,008	*	

(Table 1.4.16 Cont'd.)

Horoguduru

[illegible]

Table1.4.17 Number of Holders, Inputs Applied Area and Quantity of Inputs used

West Arsi

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	351,895	284,460	182,908	202,149	27,145	258,629	226,819	143,447
Cereals	295,209	248,588	159,264	58,847	10,762	243,103	211,603	125,608
Teff	23,640	11,710	5,040	*	*	30,488	*	*
Barley	77,363	68,096	37,681	18,723	3,258	116,954	63,927	36,775
Wheat	109,439	101,959	64,827	6,141	1,036	103,863	87,840	47,757
Maize	74,706	63,321	49,065	44,806	5,297	122,190	47,721	35,300
Sorghum	6,754	*	*	3,731	*	7,482	*	*
Finger millet	2,999	2,168	*	*	*	15,745	1,595	797
Oats / 'Aja'	*	*	*	-	-	*	*	*
Rice	-	-	-	-	-	-	-	-
Pulses	16,185	8,710	*	19,130	1,149	29,910	6,164	*
Horse / Faba beans	2,613	670	92	*	*	4,608	*	92
Field Peas	*	-	-	*	-	-	-	-
Haricot beans	11,433	7,856	*	11,420	*	24,310	5,810	*
Chick peas	-	-	-	-	-	-	-	-
Lentils	*	-	-	-	-	-	-	-
Vetch / Grass peas	*	*	*	-	-	*	*	*
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	*	*	*	-	-	*	*	*
Gibto	-	-	-	-	-	-	-	-
Oilseeds	3,574	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-
Linseed	3,510	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	*	-	-	-	-	-	-	-
Rapeseed	*	-	-	-	-	-	-	-
Vegetables	2,661	1,829	*	117,460	1,398	5,623	*	*
Lettuce	*	*	-	*	*	-	-	-
Head cabbage	*	*	*	*	*	*	*	*
Ethiopian cabbage	1,443	1,202	43	111,066	1,186	2,699	*	43
Tomatoes	*	*	*	-	-	-	-	-
Green peppers	*	*	-	13,620	*	-	-	-
Red peppers	*	*	*	*	*	*	*	*
Swiss chard	*	*	-	*	*	-	-	-
Root crops	13,426	12,199	15,377	36,944	889	63,782	8,618	11,050
Beetroot	*	*	*	9,560	*	3,215	*	*
Carrot	*	*	*	*	*	*	*	*
Onion	*	*	*	8,245	*	*	*	*
Potatoes	12,519	11,614	15,182	11,077	419	61,055	8,545	10,919
Garlic	135	81	*	9,439	*	*	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	-	1,926	*	-	-	-
Other Temporary	403	353	*	15,685	194	*	*	*
Permanent crops	*	*	*	10,468	*	*	*	*
Avocado	*	*	*	*	*	*	*	*
Bananas	*	*	*	5,867	*	*	*	*
Guava	-	-	-	-	-	-	-	-
Lemons	-	-	-	-	-	-	-	-
Mangoes	-	-	-	-	-	-	-	-
Oranges	-	-	-	-	-	-	-	-
Papayas	*	*	*	*	*	*	*	*
Pineapples	-	-	-	-	-	-	-	-
Stimulant	*	*	*	13,602	*	*	*	*
Chat	*	*	*	*	*	*	*	*
Coffee	*	*	*	11,387	*	*	*	*
Hops / 'Gesho'	*	-	-	-	-	-	-	-
Enset	15,862	12,555	*	129,603	12,552	*	*	*
Sugar cane	*	*	*	*	*	*	*	*
Other permanent	*	*	*	*	*	*	*	*

(Table 1.4.17 cont'd.)

West Arsi

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	3,663	428	153	47,374	30,068	39,307	367,418	291,638	387,232
Cereals	3,663	405	*	41,775	25,819	33,518	317,939	235,997	369,892
Teff	-	-	-	4,507	*	*	60,606	22,603	9,838
Barley	*	*	*	4,927	*	*	162,670	67,646	123,771
Wheat	-	-	-	23,904	13,082	17,070	133,776	95,840	213,594
Maize	*	*	*	19,176	10,144	13,715	151,833	39,845	17,767
Sorghum	-	-	-	*	*	*	41,122	6,754	*
Finger millet	-	-	-	*	*	*	33,537	2,999	1,646
Oats / 'Aja'	-	-	-	-	-	-	*	*	*
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	*	6,512	1,374	1,133	88,745	15,823	15,617
Horse / Faba beans	-	-	-	-	-	-	27,989	2,543	3,811
Field Peas	-	-	-	-	-	-	*	*	*
Haricot beans	*	*	*	6,512	1,374	1,133	59,061	11,141	9,598
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	*	*	*
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	*	*	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	9,619	3,071	1,723
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	7,433	3,008	1,637
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	*	*	*
Rapeseed	-	-	-	-	-	-	*	*	*
Vegetables	-	-	-	*	*	*	150,859	2,661	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	-	-	-	-	-	-	11,995	*	-
Ethiopian cabbage	-	-	-	-	-	-	139,009	1,443	-
Tomatoes	-	-	-	*	*	*	*	*	-
Green peppers	-	-	-	-	-	-	20,780	*	-
Red peppers	-	-	-	-	-	-	*	*	-
Swiss chard	-	-	-	-	-	-	*	*	-
Root crops	-	-	-	12,656	*	*	124,507	13,426	-
Beetroot	-	-	-	*	*	*	17,531	*	-
Carrot	-	-	-	-	-	-	3,818	*	-
Onion	-	-	-	-	-	-	12,837	*	-
Potatoes	-	-	-	12,252	*	*	93,978	12,519	-
Garlic	-	-	-	-	-	-	17,162	135	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	4,832	*	-
Other Temporary	-	-	-	*	*	*	26,590	403	-
Permanent crops							21,569	*	
Avocado							6,286	*	
Bananas							16,100	*	
Guava							-	-	
Lemons							-	-	
Mangoes							-	-	
Oranges							-	-	
Papayas							1,892	*	
Pineapples							-	-	
Stimulant							31,689	*	
Chat							5,057	*	
Coffee							*	*	
Hops / 'Gescho'							*	*	
Enset							153,815	15,685	
Sugar cane							*	*	
Other permanent							2,853	*	

(Table 1.4.17 Cont'd.)

West Arsi

[illegible]

Table1.5. Number of Holders, Inputs Applied Area and Quantity of Inputs used

Somalie Region

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	76,699	6,952	*	10,038	*	*	*	*
Cereals	67,922	*	*	8,698	*	*	*	*
Teff	*	-	-	-	-	-	-	-
Barley	*	*	-	*	*	-	-	-
Wheat	4,280	-	-	-	-	-	-	-
Maize	28,094	*	*	*	*	*	*	*
Sorghum	34,608	*	*	6,079	*	-	-	-
Finger millet	*	-	-	-	-	-	-	-
Oats / 'Aja'	*	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
Pulses	*	*	*	*	*	*	*	*
Horse / Faba beans	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-
Haricot beans	*	*	*	*	*	*	*	*
Chick peas	-	-	-	-	-	-	-	-
Lentils	*	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	*	*	*	*	*	-	-	-
Neug	-	-	-	-	-	-	-	-
Linseed	*	*	-	*	*	-	-	-
Groundnuts	*	*	*	*	*	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	*	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-
Vegetables	*	*	-	*	*	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	*	*	-	*	*	-	-	-
Red peppers	*	-	-	-	-	-	-	-
Swiss chard	*	-	-	-	-	-	-	-
Root crops	*	*	-	*	*	-	-	-
Beetroot	-	-	-	-	-	-	-	-
Carrot	*	-	-	-	-	-	-	-
Onion	*	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-
Garlic	*	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	-	*	*	-	-	-
Other Temporary	*	-	-	-	-	-	-	-
Permanent crops	302	53		1,672	41			
Avocado	-	-		-	-			
Bananas	*	*		*	*			
Guava	*	*		*	*			
Lemons	48	*		*	*			
Mangoes	46	*		*	*			
Oranges	90	*		*	*			
Papayas	*	*		*	*			
Pineapples	-	-		-	-			
Stimulant	4,742	*		*	*			
Chat	4,738	*		*	*			
Coffee	*	*		*	*			
Hops / 'Geshe'	-	-		-	-			
Enset	-	-		-	-			
Sugar cane	*	*		*	*			
Other permanent	*	*		296	*			

(Table 1.5.cont'd.)

Somalie Region

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	*	*	*	*	*	*	102,962	76,586	30,577
Cereals	*	*	*	*	*	*	99,200	67,907	29,227
Teff	-	-	-	-	-	-	*	*	*
Barley	-	-	-	-	-	-	3,822	*	*
Wheat	-	-	-	-	-	-	10,092	4,280	3,614
Maize	*	*	*	*	*	*	77,592	28,085	12,899
Sorghum	-	-	-	*	*	*	63,767	34,602	11,918
Finger millet	-	-	-	-	-	-	*	*	*
Oats / 'Aja'	-	-	-	-	-	-	*	*	*
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	*	*	*	7,396	*	*
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	*	*	*	7,237	*	*
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	*	*	*	*	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	*	*	*
Groundnuts	-	-	-	*	*	*	*	*	*
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	*	*	*
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	-	-	-	-	-	-	5,357	*	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	512	*	-
Red peppers	-	-	-	-	-	-	*	*	-
Swiss chard	-	-	-	-	-	-	*	*	-
Root crops	-	-	-	-	-	-	5,627	*	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	-	-	-	-	-	-	*	*	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	*	*	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	1,846	*	-
Other Temporary	-	-	-	-	-	-	*	*	-
Permanent crops							5,663	254	
Avocado							-	-	
Bananas							1,710	*	
Guava							*	*	
Lemons							1,265	40	
Mangoes							1,389	46	
Oranges							1,442	88	
Papayas							1,272	*	
Pineapples							-	-	
Stimulant							18,446	4,742	
Chat							18,446	4,738	
Coffee							*	*	
Hops / 'Geshe'							-	-	
Enset							-	-	
Sugar cane							*	*	
Other permanent							1,017	*	

(Table 1.5 Cont'd.)

Somalie Region

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	1,237	*	*	*	*	9,069	3,601	*	*
Cereals	*	*	*	*	*	8,553	2,949	*	*
Teff	-	-	-	-	-	-	-	-	-
Barley	-	-	-	-	-	-	-	-	-
Wheat	*	-	*	-	-	-	-	-	-
Maize	*	*	*	*	*	5,560	1,162	*	*
Sorghum	*	*	*	-	-	5,199	1,787	*	*
Finger millet	-	-	-	-	-	*	*	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	-	-	*	*	*	*
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	*	*	*	*
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	*	*	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	*	*	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	*	*	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	*	*	-	*	*	*	*	-	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	*	*	-	*	*	*	*	-	-
Green peppers	*	*	-	-	-	*	*	-	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	*	*	-	-
Root crops	-	-	-	-	-	735	20	*	*
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	*	-	-	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	575	20	*	*
Other Temporary	-	-	-	-	-	*	*	-	-
Permanent crops	-	-	-	*	*	3,519	230	*	*
Avocado	-	-	-	-	-	-	-	-	-
Bananas	-	-	-	-	-	1,230	*	-	-
Guava	-	-	-	-	-	*	*	-	-
Lemons	-	-	-	-	-	1,265	40	*	*
Mangoes	-	-	-	-	-	1,075	36	*	*
Oranges	-	-	-	*	*	1,483	90	-	-
Papayas	-	-	-	-	-	*	*	-	-
Pineapples	-	-	-	-	-	-	-	-	-
Stimulant	-	-	-	*	*	1,851	260	-	-
Chat	-	-	-	*	*	1,851	256	-	-
Coffee	-	-	-	-	-	*	*	-	-
Hops / 'Geshe'	-	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	*	*	-	-
Other permanent	-	-	-	-	-	699	16	-	-

Table1.5.1. Number of Holders, Inputs Applied Area and Quantity of Inputs used

Shinele

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	3,013	434	*	2,030	*	-	-	-
Cereals	2,498	*	*	1,385	*	-	-	-
Teff	-	-	-	-	-	-	-	-
Barley	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-
Maize	*	*	*	579	*	-	-	-
Sorghum	1,913	*	-	1,154	*	-	-	-
Finger millet	*	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
Pulses	*	-	-	-	-	-	-	-
Horse / Faba beans	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-
Haricot beans	*	-	-	-	-	-	-	-
Chick peas	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	*	*	-	*	*	-	-	-
Neug	-	-	-	-	-	-	-	-
Linseed	*	*	-	*	*	-	-	-
Groundnuts	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	*	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-
Vegetables	*	*	-	*	*	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-
Tomatoes	*	-	-	-	-	-	-	-
Green peppers	*	*	-	*	*	-	-	-
Red peppers	-	-	-	-	-	-	-	-
Swiss chard	*	-	-	-	-	-	-	-
Root crops	20	*	-	*	*	-	-	-
Beetroot	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	*	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	20	*	-	*	*	-	-	-
Other Temporary	*	-	-	-	-	-	-	-
Permanent crops	183	47		658	36			
Avocado	-	-		-	-			
Bananas	*	*		*	*			
Guava	*	*		*	*			
Lemons	40	*		*	*			
Mangoes	36	*		*	*			
Oranges	90	*		*	*			
Papayas	*	*		*	*			
Pineapples	-	-		-	-			
Stimulant	263	*		442	*			
Chat	259	*		411	*			
Coffee	*	*		*	*			
Hops / 'Geshe'	-	-		-	-			
Enset	-	-		-	-			
Sugar cane	*	*		*	*			
Other permanent	16	*		296	*			

(Table 1.5.1 cont'd.)

Shinele

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	*	*	*	-	-	-	7,359	3,005	661
Cereals	*	*	*	-	-	-	7,025	2,492	659
Teff	-	-	-	-	-	-	-	-	-
Barley	-	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-	-
Maize	*	*	*	-	-	-	3,279	*	178
Sorghum	-	-	-	-	-	-	6,095	1,907	481
Finger millet	-	-	-	-	-	-	*	*	*
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	-	-	-	*	*	*
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	-	*	*	*
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	*	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	*	*	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	*	*	*
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	-	-	-	-	-	-	*	*	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	*	*	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	*	*	-
Root crops	-	-	-	-	-	-	612	20	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	*	*	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	575	20	-
Other Temporary	-	-	-	-	-	-	*	*	-
Permanent crops							2,318	181	
Avocado							-	-	
Bananas							*	*	
Guava							*	*	
Lemons							1,265	40	
Mangoes							864	35	
Oranges							1,442	88	
Papayas							*	*	
Pineapples							-	-	
Stimulant							1,880	263	
Chat							1,880	259	
Coffee							*	*	
Hops / 'Gesho'							-	-	
Enset							-	-	
Sugar cane							*	*	
Other permanent							699	16	

(Table 1.5.1 Cont'd.)

Shinele

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	*	*	*	*	*	6,414	2,843	*	*
Cereals	*	*	*	-	-	6,080	2,339	*	*
Teff	-	-	-	-	-	-	-	-	-
Barley	-	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-	-
Maize	-	-	-	-	-	3,087	*	*	*
Sorghum	*	*	*	-	-	5,199	1,787	*	*
Finger millet	-	-	-	-	-	*	*	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	-	-	-	-	-	-
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	-	-	-	-
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	*	*	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	*	*	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	*	*	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	-	-	-	-	-	*	*	-	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	-	-	-	-	-	*	*	-	-
Green peppers	-	-	-	-	-	*	*	-	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	*	*	-	-
Root crops	-	-	-	-	-	575	20	*	*
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	575	20	*	*
Other Temporary	-	-	-	-	-	*	*	-	-
Permanent crops	-	-	-	*	*	2,359	183	*	*
Avocado	-	-	-	-	-	-	-	-	-
Bananas	-	-	-	-	-	*	*	-	-
Guava	-	-	-	-	-	*	*	-	-
Lemons	-	-	-	-	-	1,265	40	*	*
Mangoes	-	-	-	-	-	893	36	*	*
Oranges	-	-	-	*	*	1,483	90	-	-
Papayas	-	-	-	-	-	*	*	-	-
Pineapples	-	-	-	-	-	-	-	-	-
Stimulant	-	-	-	*	*	1,851	260	-	-
Chat	-	-	-	*	*	1,851	256	-	-
Coffee	-	-	-	-	-	*	*	-	-
Hops / 'Gesho'	-	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	*	*	-	-
Other permanent	-	-	-	-	-	699	16	-	-

Table1.5.2. Number of Holders, Inputs Applied Area and Quantity of Inputs used

Jijiga

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	69,332	*	*	*	*	*	*	*
Cereals	61,358	*	*	*	*	*	*	*
Teff	*	-	-	-	-	-	-	-
Barley	*	*	-	*	*	-	-	-
Wheat	4,280	-	-	-	-	-	-	-
Maize	23,500	*	*	*	*	*	*	*
Sorghum	32,639	*	*	*	*	-	-	-
Finger millet	-	-	-	-	-	-	-	-
Oats / 'Aja'	*	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
Pulses	*	*	*	*	*	*	*	*
Horse / Faba beans	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-
Haricot beans	*	*	*	*	*	*	*	*
Chick peas	-	-	-	-	-	-	-	-
Lentils	*	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	*	*	*	*	*	-	-	-
Neug	-	-	-	-	-	-	-	-
Linseed	*	-	-	-	-	-	-	-
Groundnuts	*	*	*	*	*	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-
Vegetables	*	*	-	*	*	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	*	-	-	-	-	-	-	-
Red peppers	*	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
Root crops	*	*	-	*	*	-	-	-
Beetroot	-	-	-	-	-	-	-	-
Carrot	*	-	-	-	-	-	-	-
Onion	*	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-
Garlic	*	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	-	*	*	-	-	-
Other Temporary	*	-	-	-	-	-	-	-
Permanent crops	*	*	-	*	*	-	-	-
Avocado	-	-	-	-	-	-	-	-
Bananas	-	-	-	-	-	-	-	-
Guava	*	*	-	*	*	-	-	-
Lemons	*	-	-	-	-	-	-	-
Mangoes	-	-	-	-	-	-	-	-
Oranges	-	-	-	-	-	-	-	-
Papayas	-	-	-	-	-	-	-	-
Pineapples	-	-	-	-	-	-	-	-
Stimulant	4,479	*	-	*	*	-	-	-
Chat	4,479	*	-	*	*	-	-	-
Coffee	-	-	-	-	-	-	-	-
Hops / 'Geshe'	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	-	-	-
Other permanent	*	-	-	-	-	-	-	-

(Table 1.5.2 cont'd.)

Jijiga

[illegible]

(Table 1.5.2 Cont'd.)

Jijiga

[illegible]

Table1.5.3 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Liben

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	4,353	*	-	*	*	-	-	-
Cereals	4,066	*	-	*	*	-	-	-
Teff	-	-	-	-	-	-	-	-
Barley	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-
Maize	4,009	*	-	*	*	-	-	-
Sorghum	*	-	-	-	-	-	-	-
Finger millet	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
Pulses	*	*	-	*	*	-	-	-
Horse / Faba beans	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-
Haricot beans	*	*	-	*	*	-	-	-
Chick peas	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-
Vegetables	-	-	-	-	-	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-
Tomatoes	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	-	-	-
Red peppers	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
Root crops	-	-	-	-	-	-	-	-
Beetroot	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-
Other Temporary	-	-	-	-	-	-	-	-
Permanent crops	*	*	-	*	*	-	-	-
Avocado	-	-	-	-	-	-	-	-
Bananas	*	*	-	*	*	-	-	-
Guava	*	-	-	-	-	-	-	-
Lemons	-	-	-	-	-	-	-	-
Mangoes	*	-	-	-	-	-	-	-
Oranges	-	-	-	-	-	-	-	-
Papayas	*	*	-	*	*	-	-	-
Pineapples	-	-	-	-	-	-	-	-
Stimulant	-	-	-	-	-	-	-	-
Chat	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-
Hops / 'Gescho'	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	-	-	-
Other permanent	-	-	-	-	-	-	-	-

(Table 1.5.3 cont'd.)

Liben

[illegible]

(Table 1.5.3 Cont'd.)

Liben

	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
Crop type	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	*	*	-	-	-	2,655	*	*	*
Cereals	-	-	-	-	-	2,473	*	*	*
Teff	-	-	-	-	-	-	-	-	-
Barley	-	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-	-
Maize	-	-	-	-	-	2,473	*	*	*
Sorghum	-	-	-	-	-	-	-	-	-
Finger millet	-	-	-	-	-	-	-	-	-
Oats / ‘Aja’	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	-	-	*	*	-	-
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	*	*	-	-
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	-	-	-	-	-	-	-	-	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	-	-	-	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	-	-	-	-	-	*	-	-	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	*	-	-	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro ‘Godere’	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other Temporary	-	-	-	-	-	-	-	-	-
Permanent crops				-	-	*	*	-	-
Avocado				-	-	-	-	-	-
Bananas				-	-	*	*	-	-
Guava				-	-	*	*	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	*	*	-	-
Oranges				-	-	-	-	-	-
Papayas				-	-	*	*	-	-
Pineapples				-	-	-	-	-	-
Stimulant	-	-	-	-	-	-	-	-	-
Chat				-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-	-
Hops / ‘Gesho’				-	-	-	-	-	-
Enset				-	-	-	-	-	-
Sugar cane				-	-	-	-	-	-
Other permanent				-	-	-	-	-	-

Table1.6 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Benishangul-Gumuz

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	234,452	48,700	23,307	77,738	20,712	23,062	17,296	11,946
Cereals	168,191	42,464	22,039	68,523	17,445	22,434	16,673	11,596
Teff	23,648	14,201	7,335	5,603	*	17,187	10,587	7,020
Barley	1,264	963	*	2,656	303	*	*	*
Wheat	2,690	2,378	*	1,860	*	4,695	*	*
Maize	43,855	18,126	10,581	63,171	10,654	4,373	851	843
Sorghum	66,576	2,255	*	9,971	2,098	*	*	*
Finger millet	29,472	4,400	1,187	3,478	1,012	3,481	2,644	984
Oats / 'Aja'	*	*	*	*	*	*	*	*
Rice	*	*	*	*	*	-	-	-
Pulses	11,009	1,411	*	13,004	1,238	*	*	*
Horse / Faba beans	795	692	*	5,590	594	*	*	*
Field Peas	505	*	*	*	*	*	*	*
Haricot beans	5,966	*	*	4,134	*	-	-	-
Chick peas	264	97	*	1,932	95	-	-	-
Lentils	*	*	-	*	*	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	*	87	*	943	*	*	*	*
Fenugreek	*	*	*	*	*	*	*	*
Gibto	*	*	-	*	*	-	-	-
Oilseeds	48,369	2,877	815	4,871	331	657	*	*
Neug	7,805	263	*	*	*	-	-	-
Linseed	440	49	*	1,590	41	*	*	*
Groundnuts	9,969	64	-	*	64	-	-	-
Safflower	*	*	*	*	*	-	-	-
Sesame	30,006	2,442	733	*	*	*	*	*
Rapeseed	*	*	*	*	*	*	*	*
Vegetables	1,432	700	43	29,174	613	*	*	*
Lettuce	*	*	-	*	*	-	-	-
Head cabbage	15	*	-	1,453	*	-	-	-
Ethiopian cabbage	61	*	*	2,747	*	*	*	*
Tomatoes	*	*	-	693	*	-	-	-
Green peppers	*	*	-	4,825	*	-	-	-
Red peppers	1,110	608	42	21,417	521	*	*	*
Swiss chard	*	*	*	*	*	*	*	*
Root crops	1,024	449	*	19,691	298	*	*	*
Beetroot	9	7	*	991	*	*	*	*
Carrot	*	*	*	*	*	*	*	*
Onion	121	17	*	3,045	16	*	*	*
Potatoes	*	*	*	*	*	*	*	*
Garlic	56	41	*	9,417	39	*	*	*
Taro 'Godere'	15	3	-	652	3	-	-	-
Sweet potatoes	506	82	*	7,308	81	-	-	-
Other Temporary	1,754	*	*	14,068	*	*	*	*
Permanent crops	1,065	120	*	11,189	112	*	*	*
Avocado	3	-	-	-	-	-	-	-
Bananas	345	*	*	5,024	*	*	*	*
Guava	*	*	*	*	*	*	*	*
Lemons	21	*	*	754	*	*	*	*
Mangoes	555	46	*	4,760	40	*	*	*
Oranges	43	1	*	860	1	*	*	*
Papayas	58	15	*	1,960	*	*	*	*
Pineapples	*	-	-	-	-	*	*	*
Stimulant	1,462	*	*	13,155	*	*	*	*
Chat	532	*	*	3,720	*	*	*	*
Coffee	858	*	*	7,046	*	*	*	*
Hops / 'Geshe'	73	27	*	6,467	27	*	*	*
Enset	4	*	*	*	*	*	*	*
Sugar cane	120	*	*	*	*	*	*	*
Other permanent	22	8	*	1,917	8	*	*	*

(Table 1.6. cont'd.)

Benishangul-Gumuz

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	7,910	3,245	1,137	12,136	7,446	10,224	203,299	229,758	79,872
Cereals	4,272	1,714	655	10,905	6,633	9,788	198,628	163,713	58,560
Teff	1,112	*	*	*	*	*	47,044	22,762	12,827
Barley	-	-	-	*	*	*	7,777	1,264	1,302
Wheat	*	*	*	*	*	*	8,569	2,690	3,590
Maize	2,269	*	281	10,158	6,091	9,457	175,713	40,332	10,793
Sorghum	-	-	-	*	*	*	139,690	66,576	16,014
Finger millet	*	*	*	*	*	*	55,969	29,404	13,342
Oats / 'Aja'	-	-	-	-	-	-	*	*	*
Rice	*	*	*	-	-	-	2,861	*	*
Pulses	*	*	*	*	*	*	57,491	11,006	7,174
Horse / Faba beans	*	*	*	-	-	-	8,707	795	705
Field Peas	-	-	-	-	-	-	4,627	505	*
Haricot beans	-	-	-	*	*	*	31,753	5,965	3,111
Chick peas	*	*	*	*	*	*	5,461	262	62
Lentils	-	-	-	-	-	-	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	14,429	*	*
Fenugreek	-	-	-	-	-	-	1,014	*	*
Gibto	-	-	-	-	-	-	*	*	*
Oilseeds	*	*	*	*	*	*	113,127	48,258	14,138
Neug	*	*	*	*	*	*	30,263	7,805	1,451
Linseed	-	-	-	-	-	-	8,267	440	88
Groundnuts	-	-	-	-	-	-	34,653	9,931	9,019
Safflower	*	*	*	*	*	*	*	*	*
Sesame	*	*	*	*	*	*	76,242	29,932	3,565
Rapeseed	-	-	-	*	*	*	*	*	*
Vegetables	*	*	*	*	*	*	65,134	1,431	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	-	-	-	-	-	-	3,263	15	-
Ethiopian cabbage	-	-	-	-	-	-	6,126	61	-
Tomatoes	-	-	-	-	-	-	2,511	*	-
Green peppers	-	-	-	-	-	-	9,212	*	-
Red peppers	*	*	*	*	*	*	49,511	1,109	-
Swiss chard	-	-	-	-	-	-	*	*	-
Root crops	*	*	*	*	*	*	49,841	1,021	-
Beetroot	-	-	-	-	-	-	2,584	8	-
Carrot	-	-	-	-	-	-	513	*	-
Onion	-	-	-	-	-	-	8,640	121	-
Potatoes	*	*	*	*	*	*	4,679	*	-
Garlic	-	-	-	-	-	-	13,210	56	-
Taro 'Godere'	-	-	-	-	-	-	3,783	15	-
Sweet potatoes	*	*	*	-	-	-	29,518	506	-
Other Temporary	*	*	*	*	*	*	57,813	1,754	-
Permanent crops							72,745	1,063	
Avocado							*	*	
Bananas							26,460	345	
Guava							6,820	*	
Lemons							7,650	21	
Mangoes							52,819	555	
Oranges							11,136	43	
Papayas							15,191	58	
Pineapples							*	*	
Stimulant							42,088	1,367	
Chat							15,520	530	
Coffee							24,592	764	
Hops / 'Gesho'							15,847	73	
Enset							773	4	
Sugar cane							5,591	120	
Other permanent							6,398	22	

(Table 1.6. Cont'd.)

Benishangul-Gumuz

	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
Crop type	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	14,630	4,694	1,283	10,815	5,803	11,394	484	20,406	14,338
Cereals	9,076	4,478	1,203	10,037	5,460	952	122	18,379	12,041
Teff	3,217	*	245	4,173	2,283	-	-	6,662	3,744
Barley	-	-	-	*	*	-	-	*	*
Wheat	-	-	-	*	*	-	-	*	*
Maize	6,063	3,523	941	*	*	*	*	10,429	5,237
Sorghum	-	-	-	717	462	*	*	*	*
Finger millet	*	*	*	2,388	*	*	*	2,995	2,340
Oats / ‘Aja’	-	-	-	*	*	-	-	-	-
Rice	-	-	-	-	-	-	-	*	*
Pulses	*	*	*	*	*	*	*	555	*
Horse / Faba beans	-	-	-	-	-	*	*	*	*
Field Peas	-	-	-	*	*	*	*	-	-
Haricot beans	*	*	*	*	-	-	-	*	*
Chick peas	*	*	*	-	-	-	-	*	*
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	*	*
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	*	*	*	502	*	-	-	*	*
Neug	-	-	-	-	-	-	-	*	*
Linseed	-	-	-	*	*	-	-	-	-
Groundnuts	*	*	*	*	*	-	-	-	-
Safflower	-	-	-	-	-	-	-	*	*
Sesame	*	*	*	*	*	-	-	*	*
Rapeseed	-	-	-	-	-	-	-	*	*
Vegetables	*	*	-	402	5	*	*	*	28
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	*	*	*	*
Ethiopian cabbage	-	-	-	*	*	-	-	-	-
Tomatoes	*	*	-	-	-	-	-	-	-
Green peppers	*	*	-	*	*	-	-	-	-
Red peppers	*	*	-	*	*	*	*	*	*
Swiss chard	*	*	-	-	-	-	-	*	*
Root crops	*	*	-	*	*	*	*	*	*
Beetroot	*	*	-	-	-	*	*	*	*
Carrot	*	*	-	-	-	-	-	*	*
Onion	-	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	*	*	*	*
Garlic	-	-	-	*	*	*	*	*	*
Taro ‘Godere’	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other Temporary	-	-	-	-	-	*	*	*	*
Permanent crops				-	-	6,693	113	638	*
Avocado				-	-	-	-	-	-
Bananas				-	-	6,302	108	-	-
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	*	*	*	*
Oranges				-	-	*	*	*	*
Papayas				-	-	*	*	*	*
Pineapples				-	-	*	*	-	-
Stimulant	*	*	-	*	*	4,023	*	-	-
Chat				-	-	*	*	-	-
Coffee	*	*	-	*	*	*	*	-	-
Hops / ‘Gesho’				-	-	-	-	-	-
Enset				-	-	-	-	-	-
Sugar cane				-	-	*	*	-	-
Other permanent				-	-	-	-	-	-

Table1.6.1 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Metekel

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	137,280	35,722	20,321	33,464	12,146	15,665	14,933	11,199
Cereals	98,871	30,979	19,172	27,907	10,193	15,255	14,376	10,879
Teff	19,130	12,045	6,884	*	*	10,926	8,769	6,594
Barley	1,128	948	*	2,448	290	*	*	*
Wheat	2,586	2,362	*	1,758	*	*	*	*
Maize	20,214	11,212	8,195	25,723	5,854	2,677	504	570
Sorghum	29,681	*	-	*	*	-	-	-
Finger millet	25,493	4,064	1,187	*	*	3,481	2,644	984
Oats / 'Aja'	*	*	*	*	*	*	*	*
Rice	*	*	*	-	-	-	-	-
Pulses	8,022	1,215	*	9,698	1,063	*	*	*
Horse / Faba beans	738	687	*	5,454	588	*	*	*
Field Peas	502	*	*	*	*	*	*	*
Haricot beans	4,713	*	-	*	*	-	-	-
Chick peas	*	-	-	-	-	-	-	-
Lentils	*	*	*	*	*	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	*	*	-	*	*	-	-	-
Fenugreek	*	*	*	*	*	*	*	*
Gibto	*	*	-	*	*	-	-	-
Oilseeds	28,519	2,583	793	1,795	*	*	*	*
Neug	2,201	*	*	*	*	-	-	-
Linseed	*	*	*	*	*	*	*	*
Groundnuts	9,314	*	-	*	*	-	-	-
Safflower	*	*	*	*	*	-	-	-
Sesame	16,607	2,378	721	*	*	*	*	*
Rapeseed	*	*	-	*	*	-	-	-
Vegetables	502	203	*	11,103	178	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	*	*	-	-	-
Ethiopian cabbage	*	*	-	*	*	-	-	-
Tomatoes	-	-	-	-	-	-	-	-
Green peppers	*	*	-	3,186	*	-	-	-
Red peppers	461	174	*	7,238	149	-	-	-
Swiss chard	*	*	-	*	*	-	-	-
Root crops	536	381	*	11,956	*	*	*	*
Beetroot	*	*	*	679	*	*	*	*
Carrot	*	*	-	*	*	-	-	-
Onion	*	*	*	2,303	*	*	*	*
Potatoes	*	*	*	*	*	*	*	*
Garlic	50	40	*	8,273	37	*	*	*
Taro 'Godere'	*	*	-	*	*	-	-	-
Sweet potatoes	*	*	-	1,660	*	-	-	-
Other Temporary	265	*	-	2,779	*	-	-	-
Permanent crops	159	80	*	5,486	73	*	*	*
Avocado	-	-	-	-	-	-	-	-
Bananas	68	*	*	*	*	-	-	-
Guava	*	-	-	-	-	-	-	-
Lemons	2	*	*	*	*	-	-	-
Mangoes	58	28	*	2,734	21	*	*	*
Oranges	*	*	*	*	*	-	-	-
Papayas	28	*	*	843	*	-	-	-
Pineapples	-	-	-	-	-	-	-	-
Stimulant	*	*	*	*	*	*	*	*
Chat	*	*	*	*	*	-	-	-
Coffee	*	*	*	*	*	-	-	-
Hops / 'Geshe'	48	*	-	4,600	*	-	-	-
Enset	-	-	-	-	-	-	-	-
Sugar cane	*	*	*	*	*	-	-	-
Other permanent	9	*	*	1,767	*	-	-	-

(Table 1.6.1 cont'd.)

Metekel

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	5,567	3,048	1,016	9,677	5,595	8,106	83,603	135,273	63,105
Cereals	3,364	1,531	540	8,687	4,879	7,753	80,616	96,978	45,111
Teff	*	*	*	*	*	*	26,115	19,130	11,999
Barley	-	-	-	*	*	*	5,985	1,128	1,200
Wheat	*	*	*	*	*	*	7,354	2,586	3,491
Maize	*	*	*	8,407	4,477	7,456	68,694	18,389	5,804
Sorghum	-	-	-	-	-	-	37,660	29,681	9,493
Finger millet	*	*	*	*	*	*	32,099	25,425	12,449
Oats / 'Aja'	-	-	-	-	-	-	*	*	*
Rice	*	*	*	-	-	-	*	*	*
Pulses	*	*	*	-	-	-	32,793	8,021	6,265
Horse / Faba beans	*	*	*	-	-	-	7,772	738	637
Field Peas	-	-	-	-	-	-	4,484	502	*
Haricot beans	-	-	-	-	-	-	20,430	4,712	2,753
Chick peas	-	-	-	-	-	-	*	*	*
Lentils	-	-	-	-	-	-	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	*	*	*
Fenugreek	-	-	-	-	-	-	*	*	*
Gibto	-	-	-	-	-	-	*	*	*
Oilseeds	*	*	*	*	*	*	48,166	28,407	11,729
Neug	*	*	*	-	-	-	5,379	2,201	508
Linseed	-	-	-	-	-	-	1,930	*	48
Groundnuts	-	-	-	-	-	-	21,505	9,276	8,835
Safflower	*	*	*	*	*	*	*	*	*
Sesame	*	*	*	*	*	*	37,296	16,533	2,327
Rapeseed	-	-	-	-	-	-	*	*	*
Vegetables	*	*	*	*	*	*	32,714	501	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	*	*	-
Ethiopian cabbage	-	-	-	-	-	-	709	*	-
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	-	4,873	*	-
Red peppers	*	*	*	*	*	*	26,997	461	-
Swiss chard	-	-	-	-	-	-	*	*	-
Root crops	*	*	*	-	-	-	19,356	536	-
Beetroot	-	-	-	-	-	-	1,235	*	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	-	-	-	-	-	-	3,122	*	-
Potatoes	*	*	*	-	-	-	*	*	-
Garlic	-	-	-	-	-	-	11,007	50	-
Taro 'Godere'	-	-	-	-	-	-	*	*	-
Sweet potatoes	-	-	-	-	-	-	6,327	*	-
Other Temporary	-	-	-	-	-	-	12,917	265	-
Permanent crops							14,941	158	
Avocado							-	-	
Bananas							4,211	68	
Guava							*	*	
Lemons							903	2	
Mangoes							7,939	58	
Oranges							*	*	
Papayas							5,883	28	
Pineapples							-	-	
Stimulant							13,598	*	
Chat							1,585	*	
Coffee							5,499	*	
Hops / 'Gesho'							8,806	48	
Enset							-	-	
Sugar cane							*	*	
Other permanent							2,940	9	

(Table 1.6.1 Cont'd.)

Metekel

	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
Crop type	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	3,673	2,007	632	6,821	5,184	4,378	249	15,143	11,672
Cereals	3,403	1,893	552	6,128	4,846	591	*	13,418	9,422
Teff	-	-	-	3,339	*	-	-	*	*
Barley	-	-	-	*	*	-	-	*	*
Wheat	-	-	-	*	*	-	-	*	*
Maize	3,259	1,825	535	*	*	*	*	7,994	3,513
Sorghum	-	-	-	*	*	-	-	*	*
Finger millet	*	*	*	2,246	*	*	*	2,995	2,340
Oats / ‘Aja’	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	*	*
Pulses	*	*	*	*	*	*	*	*	*
Horse / Faba beans	-	-	-	-	-	*	*	-	-
Field Peas	-	-	-	*	*	*	*	-	-
Haricot beans	*	*	*	-	-	-	-	*	*
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	*	*	*	*	*	-	-	*	*
Neug	-	-	-	-	-	-	-	*	*
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	*	*	*	*	*	-	-	-	-
Safflower	-	-	-	-	-	-	-	*	*
Sesame	*	*	*	*	*	-	-	*	*
Rapeseed	-	-	-	-	-	-	-	*	*
Vegetables	*	*	-	*	*	*	*	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	*	*	*	*
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	*	*	-	*	*	-	-	-	-
Red peppers	*	*	-	-	-	*	*	*	*
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	-	-	-	*	*	*	*	*	*
Beetroot	-	-	-	-	-	*	*	*	*
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	*	*	*	*
Garlic	-	-	-	*	*	*	*	*	*
Taro ‘Godere’	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other Temporary	-	-	-	-	-	-	-	*	*
Permanent crops				-	-	578	*	*	*
Avocado				-	-	-	-	-	-
Bananas				-	-	*	*	-	-
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	*	*	*	*
Oranges				-	-	-	-	-	-
Papayas				-	-	*	*	*	*
Pineapples				-	-	-	-	-	-
Stimulant	-	-	-	-	-	*	*	-	-
Chat				-	-	-	-	-	-
Coffee	-	-	-	-	-	*	*	-	-
Hops / ‘Gesho’				-	-	-	-	-	-
Enset				-	-	-	-	-	-
Sugar cane				-	-	*	*	-	-
Other permanent				-	-	-	-	-	-

Table1.6.2 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Asosa

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	55,595	10,271	943	37,655	7,560	7,002	2,245	657
Cereals	41,669	8,935	898	35,077	6,374	6,846	2,200	641
Teff	3,796	2,124	448	1,420	*	6,224	1,810	424
Barley	-	-	-	-	-	-	-	-
Wheat	*	*	*	-	-	*	*	*
Maize	11,433	4,636	*	32,062	4,170	1,400	*	*
Sorghum	23,235	1,881	*	8,356	1,724	*	*	*
Finger millet	3,161	*	-	1,877	*	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	*	*	-	*	*	-	-	-
Pulses	1,772	178	*	2,520	161	*	*	*
Horse / Faba beans	*	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-
Haricot beans	*	-	-	-	-	-	-	-
Chick peas	230	95	-	*	95	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	1,187	83	*	*	*	*	*	*
Fenugreek	*	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	8,727	231	*	2,521	*	*	*	*
Neug	5,122	*	*	*	*	-	-	-
Linseed	119	*	*	*	*	*	*	*
Groundnuts	534	*	-	*	*	-	-	-
Safflower	*	-	-	-	-	-	-	-
Sesame	2,943	*	-	*	*	-	-	-
Rapeseed	-	-	-	-	-	-	-	-
Vegetables	677	490	*	16,873	427	*	*	*
Lettuce	*	*	-	*	*	-	-	-
Head cabbage	9	*	-	943	*	-	-	-
Ethiopian cabbage	*	*	-	2,220	*	-	-	-
Tomatoes	*	*	-	643	*	-	-	-
Green peppers	*	*	-	*	*	-	-	-
Red peppers	580	429	*	13,420	367	*	*	*
Swiss chard	*	*	*	-	-	*	*	*
Root crops	273	55	*	6,399	52	*	*	*
Beetroot	*	*	*	*	*	*	*	*
Carrot	*	*	*	-	-	*	*	*
Onion	*	*	-	637	*	-	-	-
Potatoes	*	*	-	*	*	-	-	-
Garlic	4	*	-	944	*	-	-	-
Taro 'Godere'	*	*	-	*	*	-	-	-
Sweet potatoes	176	*	*	4,828	*	-	-	-
Other Temporary	1,199	*	*	9,126	*	*	*	*
Permanent crops	739	*	*	5,230	*	*	*	*
Avocado	2	-	-	-	-	-	-	-
Bananas	203	*	-	2,193	*	-	-	-
Guava	*	*	-	*	*	-	-	-
Lemons	15	*	-	*	*	-	-	-
Mangoes	434	*	-	1,902	*	-	-	-
Oranges	22	*	-	*	*	-	-	-
Papayas	27	*	-	1,117	*	-	-	-
Pineapples	-	-	-	-	-	-	-	-
Stimulant	472	98	*	6,895	*	*	*	*
Chat	*	*	-	*	*	-	-	-
Coffee	240	27	*	4,208	24	-	-	-
Hops / 'Geshe'	25	5	-	1,867	5	-	-	-
Enset	-	-	-	-	-	-	-	-
Sugar cane	*	*	-	*	*	-	-	-
Other permanent	11	-	-	-	-	-	-	-

(Table 1.6.2 cont'd.)

Asosa

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	*	*	*	1,104	373	219	84,450	54,392	10,045
Cereals	*	*	*	938	280	195	83,979	40,565	8,214
Teff	*	*	*	*	*	*	16,912	2,955	618
Barley	-	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	*	*	*
Maize	*	*	*	*	*	*	76,032	11,169	2,546
Sorghum	-	-	-	*	*	*	73,142	23,235	4,353
Finger millet	-	-	-	-	-	-	18,429	3,161	682
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	*	*	*
Pulses	-	-	-	-	-	-	14,826	1,772	425
Horse / Faba beans	-	-	-	-	-	-	*	*	*
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	-	*	*	*
Chick peas	-	-	-	-	-	-	4,941	230	52
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	9,738	1,187	284
Fenugreek	-	-	-	-	-	-	*	*	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	*	*	*	41,795	8,727	1,406
Neug	-	-	-	*	*	*	20,672	5,122	874
Linseed	-	-	-	-	-	-	4,398	119	30
Groundnuts	-	-	-	-	-	-	9,737	534	154
Safflower	-	-	-	-	-	-	*	*	*
Sesame	-	-	-	-	-	-	19,330	2,943	345
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	*	*	*	*	*	*	24,524	676	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	-	-	-	-	-	-	2,685	9	-
Ethiopian cabbage	-	-	-	-	-	-	3,932	*	-
Tomatoes	-	-	-	-	-	-	1,985	*	-
Green peppers	-	-	-	-	-	-	*	*	-
Red peppers	*	*	*	*	*	*	17,848	580	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	*	-	-	-	19,703	271	-
Beetroot	-	-	-	-	-	-	1,250	*	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	-	-	-	-	-	-	4,369	*	-
Potatoes	-	-	-	-	-	-	*	*	-
Garlic	-	-	-	-	-	-	1,747	4	-
Taro 'Godere'	-	-	-	-	-	-	*	*	-
Sweet potatoes	*	*	*	-	-	-	14,431	176	-
Other Temporary	-	-	-	-	-	-	31,547	1,199	-
Permanent crops							48,020	737	
Avocado							*	*	
Bananas							17,126	203	
Guava							6,022	*	
Lemons							5,845	15	
Mangoes							39,853	434	
Oranges							7,350	22	
Papayas							7,938	27	
Pineapples							-	-	
Stimulant							22,712	378	
Chat							9,450	*	
Coffee							14,673	146	
Hops / 'Gescho'							7,042	25	
Enset							-	-	
Sugar cane							*	*	
Other permanent							3,155	10	

(Table 1.6.2 Cont'd.)

Asosa

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	9,080	1,203	303	*	*	6,630	214	3,890	1,166
Cereals	3,915	*	303	*	*	*	*	3,734	*
Teff	2,956	*	*	*	*	-	-	*	*
Barley	-	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-	-
Maize	*	*	*	*	*	-	-	*	*
Sorghum	-	-	-	*	*	*	*	-	-
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	-	-	-	-	*	*
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	-	-	-	-
Chick peas	-	-	-	-	-	-	-	*	*
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	*	*
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	*	*	-	-	-	-	-	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	-	-	-	-
Red peppers	-	-	-	-	-	-	-	*	*
Swiss chard	*	*	-	-	-	-	-	*	*
Root crops	*	*	-	-	-	-	-	*	*
Beetroot	*	*	-	-	-	-	-	*	*
Carrot	*	*	-	-	-	-	-	*	*
Onion	-	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other Temporary	-	-	-	-	-	*	*	-	-
Permanent crops				-	-	5,842	*	*	*
Avocado				-	-	-	-	-	-
Bananas				-	-	5,686	*	-	-
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	*	*	-	-
Oranges				-	-	-	-	*	*
Papayas				-	-	*	*	-	-
Pineapples				-	-	-	-	-	-
Stimulant	*	*	-	*	*	*	*	-	-
Chat				-	-	*	*	-	-
Coffee	*	*	-	*	*	*	*	-	-
Hops / 'Geshe'				-	-	-	-	-	-
Enset				-	-	-	-	-	-
Sugar cane				-	-	*	*	-	-
Other permanent				-	-	-	-	-	-

Table1.6.3 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Kemashi

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	32,082	2,145	*	3,654	575	*	*	*
Cereals	20,654	2,058	*	2,959	510	*	*	*
Teff	*	*	*	-	-	-	-	-
Barley	*	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-
Maize	9,266	1,981	*	2,909	443	*	*	*
Sorghum	10,979	*	-	*	*	-	-	-
Finger millet	*	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
Pulses	804	*	-	*	*	-	-	-
Horse / Faba beans	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-
Haricot beans	590	*	-	*	*	-	-	-
Chick peas	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	*	*	-	*	*	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	10,238	*	*	*	*	*	*	*
Neug	115	*	-	*	*	-	-	-
Linseed	*	-	-	-	-	-	-	-
Groundnuts	*	-	-	-	-	-	-	-
Safflower	*	-	-	-	-	-	-	-
Sesame	10,077	*	*	*	*	*	*	*
Rapeseed	-	-	-	-	-	-	-	-
Vegetables	*	*	-	*	*	-	-	-
Lettuce	*	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-
Ethiopian cabbage	*	-	-	-	-	-	-	-
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	*	-	-	-	-	-	-	-
Red peppers	41	*	-	*	*	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
Root crops	42	*	-	565	*	-	-	-
Beetroot	*	-	-	-	-	-	-	-
Carrot	*	-	-	-	-	-	-	-
Onion	*	*	-	*	*	-	-	-
Potatoes	*	-	-	-	-	-	-	-
Garlic	*	*	-	*	*	-	-	-
Taro 'Godere'	*	-	-	-	-	-	-	-
Sweet potatoes	35	*	-	327	*	-	-	-
Other Temporary	85	13	*	659	13	-	-	-
Permanent crops	50	*	-	*	*	-	-	-
Avocado	*	-	-	-	-	-	-	-
Bananas	*	-	-	-	-	-	-	-
Guava	-	-	-	-	-	-	-	-
Lemons	*	-	-	-	-	-	-	-
Mangoes	26	*	-	*	*	-	-	-
Oranges	*	-	-	-	-	-	-	-
Papayas	*	-	-	-	-	-	-	-
Pineapples	-	-	-	-	-	-	-	-
Stimulant	*	-	-	-	-	-	-	-
Chat	-	-	-	-	-	-	-	-
Coffee	*	-	-	-	-	-	-	-
Hops / 'Gescho'	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-
Sugar cane	*	-	-	-	-	-	-	-
Other permanent	*	*	-	*	*	-	-	-

(Table 1.6.3 cont'd.)

Kemashi

[illegible]

Table1.6.4 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Mao-Komo Special

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	9,494	562	*	2,964	431	*	*	*
Cereals	6,996	492	*	2,580	368	*	*	*
Teff	383	*	*	*	*	*	*	*
Barley	123	*	*	*	*	*	*	*
Wheat	102	*	*	*	*	*	*	*
Maize	2,943	296	*	2,477	187	*	*	*
Sorghum	2,681	*	-	*	*	-	-	-
Finger millet	760	*	-	*	*	-	-	-
Oats / 'Aja'	*	-	-	-	-	-	-	-
Rice	*	-	-	-	-	-	-	-
Pulses	410	14	*	453	*	*	*	*
Horse / Faba beans	57	*	-	*	*	-	-	-
Field Peas	*	*	-	*	*	-	-	-
Haricot beans	311	*	*	215	*	-	-	-
Chick peas	18	*	*	*	*	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	22	-	-	-	-	-	-	-
Fenugreek	*	*	-	*	*	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	885	*	*	*	*	*	*	*
Neug	367	-	-	*	-	-	-	-
Linseed	48	*	-	*	*	-	-	-
Groundnuts	83	-	-	-	-	-	-	-
Safflower	*	*	-	*	*	-	-	-
Sesame	379	-	-	-	-	-	-	-
Rapeseed	*	*	*	*	*	*	*	*
Vegetables	49	3	*	665	3	*	*	*
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	*	*	-	-	-
Ethiopian cabbage	14	*	*	*	*	*	*	*
Tomatoes	*	-	-	-	-	-	-	-
Green peppers	5	*	-	*	*	-	-	-
Red peppers	28	*	-	*	*	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
Root crops	173	8	*	771	7	-	-	-
Beetroot	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	19	-	-	-	-	-	-	-
Potatoes	*	*	*	-	-	-	-	-
Garlic	*	*	-	*	*	-	-	-
Taro 'Godere'	13	3	-	351	3	-	-	-
Sweet potatoes	136	*	-	492	*	-	-	-
Other Temporary	205	13	*	1,504	13	-	-	-
Permanent crops	117	1		351	1			
Avocado	*	-	-	-	-	-	-	-
Bananas	53	*	-	*	*	-	-	-
Guava	*	-	-	-	-	-	-	-
Lemons	3	-	-	-	-	-	-	-
Mangoes	37	-	-	-	-	-	-	-
Oranges	20	*	-	*	*	-	-	-
Papayas	2	-	-	-	-	-	-	-
Pineapples	*	-	-	-	-	-	-	-
Stimulant	636	*		*	*			
Chat	318	*		*	*			
Coffee	318	*		*	*			
Hops / 'Geshe'	-	-	-	-	-			
Enset	4	*		*	*			
Sugar cane	19	-	-	-	-			
Other permanent	*	-	-	-	-			

(Table 1.6.4 cont'd.)

Mao-Komo Special

[illegible]

(Table 1.6.4 Cont'd.)

Mao-Komo Special

[illegible]

Table1.7 Number of Holders, Inputs Applied Area and Quantity of Inputs used

S.N.N.P. Region

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	1,654,839	973,690	647,722	2,794,586	432,493	1,239,838	315,209	301,244
Cereals	859,341	517,496	469,107	611,260	73,024	1,001,177	247,826	212,247
Teff	265,377	180,512	131,650	41,193	5,697	420,727	95,616	64,032
Barley	111,756	72,962	50,431	169,110	22,421	317,779	40,652	39,863
Wheat	131,163	109,249	126,944	70,292	7,966	318,032	53,597	58,335
Maize	237,355	128,650	144,819	323,693	22,278	283,832	50,900	41,732
Sorghum	107,735	23,668	14,136	146,274	14,317	62,520	5,644	7,495
Finger millet	3,800	2,112	964	6,512	317	17,873	1,358	732
Oats / 'Aja'	302	80	61	1,792	16	3,124	54	56
Rice	*	*	*	*	*	*	*	*
Pulses	202,224	89,456	62,042	634,132	31,531	478,567	48,128	41,730
Horse / Faba beans	70,623	28,373	19,782	263,286	11,166	184,183	14,662	17,061
Field Peas	45,338	12,490	6,892	67,216	5,329	79,336	6,136	5,579
Haricot beans	76,893	45,753	34,760	348,602	13,200	256,934	26,656	18,694
Chick peas	7,498	1,935	427	17,461	1,208	8,011	588	315
Lentils	574	135	42	3,556	83	3,556	42	39
Vetch / Grass peas	550	*	*	*	*	*	*	*
Soya beans	498	341	*	7,422	237	*	*	*
Fenugreek	247	135	51	9,618	67	*	*	*
Gibto	*	*	-	*	*	-	-	-
Oilseeds	5,260	948	510	16,887	304	10,121	*	*
Neug	*	*	*	*	*	*	*	*
Linseed	841	332	200	7,485	102	8,662	120	93
Groundnuts	635	*	-	*	*	-	-	-
Safflower	72	*	-	*	*	-	-	-
Sesame	*	*	*	*	*	*	*	*
Rapeseed	*	*	*	*	*	*	*	*
Vegetables	38,352	33,424	32,348	1,354,349	18,496	75,003	5,463	8,310
Lettuce	*	*	-	*	*	-	-	-
Head cabbage	613	424	*	40,629	253	1,828	*	*
Ethiopian cabbage	20,023	17,160	2,373	1,307,745	16,687	21,636	251	642
Tomatoes	268	176	*	13,790	134	*	*	*
Green peppers	1,120	674	112	93,050	579	5,227	72	95
Red peppers	16,272	14,950	29,390	35,633	801	46,232	5,068	7,424
Swiss chard	56	*	-	11,293	*	-	-	-
Root crops	91,044	52,530	14,173	1,073,982	45,315	163,826	5,104	8,694
Beetroot	345	261	61	56,671	223	2,062	*	24
Carrot	220	186	*	18,217	119	3,638	*	*
Onion	1,500	980	108	116,143	890	4,504	*	47
Potatoes	8,069	7,493	8,956	156,251	3,306	108,648	2,695	5,069
Garlic	602	501	*	56,247	470	*	*	*
Taro 'Godere'	35,414	17,406	546	564,150	17,113	6,404	174	191
Sweet potatoes	44,894	25,703	3,800	518,973	23,194	45,575	2,103	2,716
Other Temporary	34,642	15,730	4,583	621,180	13,785	20,487	694	1,473
Permanent crops	28,709	11,451		900,090	10,498			
Avocado	4,872	2,805		394,116	2,726			
Bananas	19,498	6,931		595,751	6,269			
Guava	117	41		10,764	41			
Lemons	58	28		12,295	28			
Mangoes	2,470	667		124,938	622			
Oranges	587	398		70,360	388			
Papayas	886	432		104,436	408			
Pineapples	*	*		2,778	*			
Stimulant	169,468	76,659		1,510,291	67,605			
Chat	36,969	24,447		454,295	19,833			
Coffee	130,847	51,465		1,318,024	47,082			
Hops / 'Geshe'	1,652	747		96,335	690			
Enset	210,710	168,355		2,403,718	167,053			
Sugar cane	12,231	6,512		299,073	3,899			
Other permanent	2,858	1,129		175,537	983			

(Table 1.7.cont'd.)

S.N.N.P. Region

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	97,335	10,676	*	666,766	215,312	325,579	3,581,085	1,561,149	796,832
Cereals	41,726	5,395	3,272	604,544	191,251	253,587	2,359,847	773,478	621,052
Teff	14,255	2,739	984	241,921	76,460	66,633	975,359	251,369	126,646
Barley	7,463	*	441	89,419	9,183	10,127	786,449	110,714	149,586
Wheat	7,643	632	842	239,217	47,054	67,768	679,300	120,755	232,579
Maize	9,297	946	*	254,038	54,526	102,316	958,248	177,213	78,617
Sorghum	4,417	326	215	35,477	3,381	6,426	639,273	107,597	29,938
Finger millet	*	*	*	4,857	390	*	49,816	3,686	1,503
Oats / 'Aja'	-	-	-	*	*	*	12,581	293	370
Rice	-	-	-	*	*	*	8,580	*	*
Pulses	15,864	810	820	127,028	8,987	19,493	1,726,925	200,945	174,644
Horse / Faba beans	3,185	185	105	38,461	2,360	2,616	779,890	70,481	79,687
Field Peas	1,686	*	*	11,067	852	1,164	347,235	45,338	35,466
Haricot beans	10,279	426	548	82,678	5,472	15,518	944,353	75,836	52,752
Chick peas	*	*	*	*	*	*	53,436	7,493	3,800
Lentils	-	-	-	*	*	*	16,467	500	258
Vetch / Grass peas	-	-	-	*	*	*	10,108	550	501
Soya beans	-	-	-	*	*	*	14,486	498	*
Fenugreek	*	*	*	*	*	*	14,811	247	*
Gibto	-	-	-	-	-	-	*	*	*
Oilseeds	-	-	-	4,048	247	219	80,782	5,018	1,137
Neug	-	-	-	-	-	-	*	*	*
Linseed	-	-	-	3,653	*	*	51,054	840	333
Groundnuts	-	-	-	-	-	-	5,690	635	*
Safflower	-	-	-	-	-	-	5,715	72	*
Sesame	-	-	-	*	*	*	9,536	*	*
Rapeseed	-	-	-	-	-	-	8,578	*	*
Vegetables	11,457	548	*	82,629	8,917	22,713	1,742,308	38,159	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	*	*	*	*	*	*	49,324	513	-
Ethiopian cabbage	3,973	57	*	10,915	165	1,260	1,604,089	19,971	-
Tomatoes	-	-	-	-	-	-	24,000	261	-
Green peppers	*	*	*	*	*	*	156,644	1,117	-
Red peppers	6,355	443	*	71,311	8,638	21,137	187,472	16,242	-
Swiss chard	-	-	-	-	-	-	10,527	53	-
Root crops	10,429	402	724	42,169	1,709	4,754	1,789,857	90,488	-
Beetroot	-	-	-	*	*	*	63,739	334	-
Carrot	*	*	*	*	*	*	26,565	198	-
Onion	*	*	*	*	*	*	154,535	1,458	-
Potatoes	*	*	*	28,109	1,482	3,871	304,357	7,977	-
Garlic	-	-	-	*	*	*	76,671	602	-
Taro 'Godere'	3,988	*	*	*	*	*	943,092	35,395	-
Sweet potatoes	3,358	*	*	*	*	701	893,460	44,524	-
Other Temporary	13,721	826	859	14,629	425	2,252	1,030,480	34,542	-
Permanent crops							1,448,969	28,478	
Avocado							621,631	4,725	
Bananas							1,027,316	19,494	
Guava							29,939	117	
Lemons							26,590	58	
Mangoes							256,361	2,436	
Oranges							115,230	585	
Papayas							199,975	841	
Pineapples							12,778	*	
Stimulant							2,216,749	166,296	
Chat							723,336	36,937	
Coffee							1,962,662	127,708	
Hops / 'Geshe'							191,646	1,651	
Enset							2,949,676	208,754	
Sugar cane							585,689	12,230	
Other permanent							344,030	2,760	

(Table 1.7 Cont'd.)

S.N.N.P. Region

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	450,910	93,300	49,058	690,370	224,904	114,754	33,415	540,332	165,878
Cereals	337,258	85,740	47,014	625,157	211,834	37,839	13,160	479,633	148,665
Teff	44,136	14,008	5,011	369,234	107,180	10,802	2,338	179,030	58,530
Barley	4,726	1,031	1,714	123,835	12,342	*	*	71,741	10,496
Wheat	56,785	10,407	18,879	344,594	78,563	2,440	*	107,514	20,032
Maize	261,824	60,121	21,352	31,807	7,102	29,092	*	214,184	55,003
Sorghum	*	*	*	28,060	5,311	1,352	210	34,271	4,069
Finger millet	*	*	*	7,306	465	-	-	*	*
Oats / 'Aja'	*	*	*	*	*	-	-	*	*
Rice	-	-	-	*	*	-	-	*	*
Pulses	25,855	1,278	2,025	48,544	5,759	12,779	744	93,490	9,273
Horse / Faba beans	2,101	*	*	31,826	3,441	-	-	36,909	2,468
Field Peas	-	-	-	14,300	1,914	*	*	6,216	336
Haricot beans	23,466	1,057	1,804	6,015	246	12,553	736	55,967	6,110
Chick peas	*	*	*	*	*	-	-	3,169	*
Lentils	*	*	*	*	*	*	*	*	*
Vetch / Grass peas	-	-	-	*	*	-	-	*	*
Soya beans	-	-	-	-	-	*	*	-	-
Fenugreek	-	-	-	-	-	-	-	*	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	*	*	*	*	*	*	*	2,969	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	*	*	*	*	2,401	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	*	*	*	-	-	*	*	*	*
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	11,424	176	-	30,226	2,142	18,166	251	26,308	831
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	5,827	99	-	*	*	*	*	4,444	*
Ethiopian cabbage	*	*	-	10,038	126	13,919	121	21,226	384
Tomatoes	*	*	-	*	*	*	*	*	*
Green peppers	-	-	-	*	*	*	*	*	*
Red peppers	*	*	-	18,166	1,925	*	*	*	*
Swiss chard	2,138	*	-	-	-	-	-	*	*
Root crops	29,116	543	-	40,732	2,098	17,227	779	36,473	780
Beetroot	6,290	11	-	*	*	*	*	5,047	10
Carrot	4,431	*	-	*	*	*	*	3,256	*
Onion	2,365	*	-	*	*	*	*	6,413	*
Potatoes	3,840	92	-	32,206	1,867	*	*	17,465	368
Garlic	*	*	-	*	*	*	*	*	*
Taro 'Godere'	*	*	-	1,868	*	2,704	*	2,852	28
Sweet potatoes	*	*	-	*	*	11,759	465	6,176	270
Other Temporary	*	*	-	3,401	*	23,084	1,185	16,377	*
Permanent crops	-	-	-	5,629	*	46,233	*	17,191	244
Avocado	-	-	-	*	*	14,755	*	4,541	25
Bananas	-	-	-	*	*	35,886	*	9,351	*
Guava	-	-	-	-	-	*	*	*	*
Lemons	-	-	-	*	*	*	*	-	-
Mangoes	-	-	-	*	*	9,122	*	1,518	*
Oranges	-	-	-	*	*	*	*	*	*
Papayas	-	-	-	*	*	10,140	*	5,311	*
Pineapples	-	-	-	-	-	-	-	-	-
Stimulant	54,345	3,127	-	32,382	2,033	63,747	5,294	49,150	2,730
Chat	-	-	-	23,252	1,198	*	*	12,388	451
Coffee	53,603	3,122	-	10,517	*	49,400	2,156	41,816	2,280
Hops / 'Geshe'	-	-	-	*	*	*	*	-	-
Enset	-	-	-	12,688	777	53,824	2,345	*	*
Sugar cane	-	-	-	*	*	*	*	*	*
Other permanent	-	-	-	*	*	5,239	*	5,526	97

Table1.7.1 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Gurage

Crop type	All	All Fertilizers		Natural		DAP		
	Crop Area	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	152,781	130,480	113,280	312,088	52,465	156,690	37,039	42,141
Cereals	94,712	80,232	98,423	75,332	7,925	151,735	34,225	36,579
Teff	36,893	33,775	27,117	3,099	214	40,599	13,433	9,474
Barley	18,254	17,671	19,588	25,338	*	82,049	11,846	16,412
Wheat	13,287	11,489	15,116	7,646	184	68,431	6,271	7,599
Maize	19,506	16,548	*	40,557	3,251	19,392	2,646	3,012
Sorghum	6,660	714	*	*	*	*	*	*
Finger millet	*	-	-	-	-	-	-	-
Oats / 'Aja'	*	*	*	*	*	*	*	*
Rice	-	-	-	-	-	-	-	-
Pulses	12,097	6,570	3,699	94,503	3,947	30,110	*	*
Horse / Faba beans	5,267	4,200	1,601	82,852	3,221	17,859	761	1,281
Field Peas	2,831	*	*	7,328	*	*	*	*
Haricot beans	499	*	*	12,379	*	*	*	*
Chick peas	*	*	-	*	*	-	-	-
Lentils	*	*	*	*	*	*	*	*
Vetch / Grass peas	*	*	-	*	*	-	-	-
Soya beans	*	*	*	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	*	*	*	-	-	*	*	*
Neug	*	*	*	-	-	*	*	*
Linseed	*	*	*	-	-	*	*	*
Groundnuts	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-
Vegetables	5,052	4,745	*	168,831	2,409	*	*	*
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	*	*	*	10,790	*	-	-	-
Ethiopian cabbage	2,295	2,214	*	159,416	2,191	*	*	*
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	*	*	-	7,397	*	-	-	-
Red peppers	*	*	*	4,675	*	*	*	*
Swiss chard	*	*	-	7,510	*	-	-	-
Root crops	1,727	1,623	*	97,924	1,106	27,810	*	*
Beetroot	10	10	-	6,262	10	-	-	-
Carrot	*	*	*	7,705	*	*	*	*
Onion	*	38	*	17,908	*	-	-	-
Potatoes	759	750	*	21,684	245	26,505	*	*
Garlic	*	*	-	23,938	*	-	-	-
Taro 'Godere'	543	535	*	43,994	534	*	*	*
Sweet potatoes	16	*	*	*	12	*	*	*
Other Temporary	564	508	719	49,412	443	2,322	*	*
Permanent crops	1,101	967		100,425	950			
Avocado	452	379		52,078	378			
Bananas	194	179		34,435	174			
Guava	6	*		*	*			
Lemons	*	*		4,998	*			
Mangoes	*	48		13,379	48			
Oranges	275	255		39,412	245			
Papayas	88	82		20,944	82			
Pineapples	-	-		-	-			
Stimulant	11,631	10,406		168,524	10,307			
Chat	6,266	5,349		105,809	5,341			
Coffee	4,801	4,654		139,672	4,568			
Hops / 'Geshe'	564	403		44,272	398			
Enset	25,273	25,066		274,777	25,044			
Sugar cane	222	220		23,467	218			
Other permanent	135	115		46,526	115			

(Table 1.7.1 cont'd.)

Gurage

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	15,740	2,148	*	98,747	38,828	69,262	340,218	135,566	101,302
Cereals	12,019	1,794	*	93,712	36,289	60,695	250,476	77,911	82,671
Teff	4,399	1,238	*	40,972	18,890	17,159	84,620	32,508	11,912
Barley	1,607	*	*	19,689	2,048	3,099	119,041	18,254	40,190
Wheat	3,960	192	122	35,757	4,842	7,395	112,745	11,212	22,729
Maize	*	*	*	35,980	10,362	*	75,139	9,167	5,508
Sorghum	-	-	-	*	*	*	33,737	6,660	2,089
Finger millet	-	-	-	-	-	-	*	*	*
Oats / 'Aja'	-	-	-	*	*	*	*	*	*
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	*	7,687	399	*	139,594	12,087	18,529
Horse / Faba beans	*	*	*	*	*	*	116,419	5,257	10,142
Field Peas	-	-	-	*	*	*	25,597	2,831	*
Haricot beans	-	-	-	*	*	*	21,312	499	497
Chick peas	-	-	-	-	-	-	10,180	*	*
Lentils	-	-	-	-	-	-	1,641	*	*
Vetch / Grass peas	-	-	-	-	-	-	*	*	*
Soya beans	-	-	-	*	*	*	*	*	*
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	*	*	*	3,876	*	*
Neug	-	-	-	-	-	-	*	*	*
Linseed	-	-	-	*	*	*	*	*	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	*	*	*	*	*	*	191,516	5,051	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	*	*	*	*	*	*	12,561	*	-
Ethiopian cabbage	*	*	*	*	*	*	169,848	2,295	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	7,859	*	-
Red peppers	*	*	*	*	*	*	26,686	*	-
Swiss chard	-	-	-	-	-	-	6,721	*	-
Root crops	*	*	*	*	*	*	121,902	1,680	-
Beetroot	-	-	-	-	-	-	5,882	9	-
Carrot	*	*	*	-	-	-	8,758	17	-
Onion	*	*	*	-	-	-	18,723	*	-
Potatoes	-	-	-	*	*	*	49,186	729	-
Garlic	-	-	-	-	-	-	23,938	*	-
Taro 'Godere'	-	-	-	-	-	-	45,166	543	-
Sweet potatoes	-	-	-	-	-	-	4,815	16	-
Other Temporary	*	*	*	*	*	*	61,881	564	-
Permanent crops							106,940	916	
Avocado							53,651	309	
Bananas							37,884	194	
Guava							2,689	6	
Lemons							5,767	*	
Mangoes							14,133	*	
Oranges							42,107	275	
Papayas							23,592	69	
Pineapples							-	-	
Stimulant							178,550	11,551	
Chat							117,463	6,262	
Coffee							140,747	4,724	
Hops / 'Gesho'							53,877	564	
Enset							275,896	25,193	
Sugar cane							25,015	222	
Other permanent							49,710	121	

(Table 1.7.1 Cont'd.)

Gurage

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	58,328	17,215	9,865	67,883	29,403	4,724	*	62,005	21,854
Cereals	46,566	16,800	9,856	61,507	28,163	*	*	56,779	21,248
Teff	10,004	4,386	1,216	35,459	19,258	-	-	19,455	8,861
Barley	-	-	-	9,682	*	-	-	*	*
Wheat	10,976	2,076	4,474	39,628	6,101	-	-	15,295	2,116
Maize	33,700	10,339	4,167	5,072	*	*	*	30,463	9,622
Sorghum	-	-	-	*	*	-	-	*	*
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	*	*	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	*	7,110	*	-	-	*	*
Horse / Faba beans	*	*	*	4,357	298	-	-	*	*
Field Peas	-	-	-	*	*	-	-	*	*
Haricot beans	-	-	-	*	*	-	-	*	*
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	*	*	-	-	-	-
Vetch / Grass peas	-	-	-	*	*	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	*	*	-	*	*	*	*	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	*	*	-	-	*	*
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	-	-	-	-
Red peppers	-	-	-	*	-	*	*	-	-
Swiss chard	*	*	-	-	-	-	-	*	*
Root crops	3,049	*	-	*	*	*	*	*	*
Beetroot	*	*	-	-	-	-	-	*	*
Carrot	*	*	-	-	-	-	-	*	*
Onion	*	*	-	*	*	*	*	*	*
Potatoes	*	*	-	-	-	-	-	*	*
Garlic	-	-	-	*	*	-	-	-	-
Taro 'Godere'	-	-	-	*	*	*	*	*	*
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other Temporary	-	-	-	-	-	-	-	*	*
Permanent crops				*	*	*	*	*	*
Avocado				*	*	-	-	*	*
Bananas				*	*	-	-	-	-
Guava				-	-	-	-	-	-
Lemons				-	-	*	*	-	-
Mangoes				*	*	-	-	-	-
Oranges				-	-	-	-	*	*
Papayas				-	-	*	*	-	-
Pineapples				-	-	-	-	-	-
Stimulant	8,080	*	-	*	*	*	*	2,288	51
Chat				*	*	-	-	*	*
Coffee	7,700	*	-	*	*	*	*	2,288	49
Hops / 'Geshe'				-	-	*	*	-	-
Enset				*	*	1,548	*	-	-
Sugar cane				-	-	*	*	*	*
Other permanent				-	-	*	*	-	-

Table1.7.2 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Hadiya

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	157,678	145,381	124,521	252,406	36,368	190,435	64,447	68,210
Cereals	107,767	100,609	103,953	63,164	5,901	169,996	53,025	54,258
Teff	44,909	43,950	37,382	5,487	*	93,618	21,734	18,203
Barley	5,598	5,494	5,978	6,387	145	52,979	4,189	4,525
Wheat	35,325	35,231	50,535	3,571	*	92,435	20,857	27,435
Maize	14,636	13,217	*	35,087	2,462	37,848	5,856	3,777
Sorghum	7,156	2,575	331	30,669	2,086	4,131	294	*
Finger millet	133	133	*	*	*	*	*	*
Oats / 'Aja'	*	*	*	-	-	*	*	*
Rice	-	-	-	-	-	-	-	-
Pulses	12,837	12,153	10,177	44,417	1,759	77,922	9,033	8,833
Horse / Faba beans	7,741	7,652	7,593	15,506	474	58,059	6,438	6,764
Field Peas	2,029	1,996	1,771	*	*	18,183	1,713	1,521
Haricot beans	2,901	2,340	*	30,085	1,131	17,781	*	*
Chick peas	*	*	-	*	*	-	-	-
Lentils	*	*	*	*	*	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	*	*	*	*	*	-	-	-
Fenugreek	*	*	-	*	*	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	162	*	*	*	*	*	*	*
Neug	-	-	-	-	-	-	-	-
Linseed	126	*	*	*	*	*	*	*
Groundnuts	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Rapeseed	*	*	*	*	*	*	*	*
Vegetables	4,284	4,063	*	217,209	3,050	11,419	*	910
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	48	48	*	13,843	46	*	*	*
Ethiopian cabbage	2,781	2,717	*	215,648	2,702	*	*	*
Tomatoes	*	*	-	6,367	*	-	-	-
Green peppers	*	*	*	8,990	*	*	*	*
Red peppers	*	*	*	*	*	9,824	*	874
Swiss chard	*	*	-	*	*	-	-	-
Root crops	4,483	4,331	1,105	111,158	3,458	31,754	710	881
Beetroot	95	88	*	29,995	82	*	*	*
Carrot	6	*	-	1,877	*	-	-	-
Onion	55	52	*	21,589	50	*	*	*
Potatoes	1,226	1,193	1,078	16,177	334	29,745	696	853
Garlic	*	*	-	*	*	-	-	-
Taro 'Godere'	*	*	*	47,769	*	*	*	*
Sweet potatoes	1,322	1,241	*	37,775	1,236	*	*	*
Other Temporary	1,184	1,120	*	84,480	978	*	*	*
Permanent crops	2,018	1,638	*	106,928	1,453	*	*	*
Avocado	350	271	*	52,439	268	*	*	*
Bananas	1,554	1,282	*	80,299	1,099	*	*	*
Guava	*	*	*	*	*	*	*	*
Lemons	*	*	*	*	*	*	*	*
Mangoes	46	31	*	9,278	31	*	*	*
Oranges	33	*	*	3,074	*	*	*	*
Papayas	*	*	*	5,590	*	*	*	*
Pineapples	-	-	-	-	-	-	-	-
Stimulant	8,195	4,961	*	116,871	3,373	*	*	*
Chat	1,154	972	*	35,468	910	*	*	*
Coffee	6,967	3,930	*	95,780	2,421	*	*	*
Hops / 'Gesho'	74	59	*	12,312	42	*	*	*
Enset	15,977	15,815	*	230,803	15,805	*	*	*
Sugar cane	707	550	*	36,237	480	*	*	*
Other permanent	64	58	*	30,593	54	*	*	*

(Table 1.7.2 cont'd.)

Hadiya

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	6,811	514	600	102,829	44,052	55,711	260,771	153,276	141,964
Cereals	4,144	402	447	98,666	41,282	49,247	241,148	103,404	124,127
Teff	1,923	*	*	58,827	21,219	19,143	145,478	43,711	21,126
Barley	*	*	*	14,651	1,132	1,423	73,671	5,282	10,545
Wheat	*	*	*	57,855	13,919	22,762	142,074	34,531	83,465
Maize	*	*	*	18,458	*	*	72,492	12,590	7,029
Sorghum	-	-	-	*	195	*	83,609	7,156	1,830
Finger millet	-	-	-	-	-	-	2,695	133	*
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	*	9,526	1,257	1,220	132,540	12,813	17,798
Horse / Faba beans	*	*	*	5,247	685	778	81,503	7,718	12,672
Field Peas	*	*	*	*	*	*	23,821	2,029	3,043
Haricot beans	-	-	-	*	*	*	54,738	2,901	*
Chick peas	-	-	-	-	-	-	*	*	*
Lentils	-	-	-	-	-	-	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	*	*	*	*	*	*
Fenugreek	-	-	-	-	-	-	*	*	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	*	*	*	6,416	162	39
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	*	*	*	4,835	126	36
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	*	*	*
Vegetables	-	-	-	4,691	*	*	224,326	4,284	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	14,221	48	-
Ethiopian cabbage	-	-	-	1,693	*	*	220,866	2,781	-
Tomatoes	-	-	-	-	-	-	9,096	*	-
Green peppers	-	-	-	-	-	-	9,378	*	-
Red peppers	-	-	-	*	*	*	15,883	*	-
Swiss chard	-	-	-	-	-	-	*	*	-
Root crops	*	*	*	3,472	157	221	135,036	4,480	-
Beetroot	-	-	-	-	-	-	35,204	95	-
Carrot	-	-	-	-	-	-	3,731	6	-
Onion	-	-	-	-	-	-	24,785	55	-
Potatoes	*	*	*	3,472	157	221	48,591	1,223	-
Garlic	-	-	-	-	-	-	*	*	-
Taro 'Godere'	-	-	-	-	-	-	49,762	*	-
Sweet potatoes	-	-	-	-	-	-	40,125	1,322	-
Other Temporary	-	-	-	*	*	*	93,916	1,184	-
Permanent crops							129,329	2,018	
Avocado							67,814	350	
Bananas							99,150	1,554	
Guava							1,521	*	
Lemons							*	*	
Mangoes							11,763	46	
Oranges							4,211	33	
Papayas							6,932	*	
Pineapples							-	-	
Stimulant							138,557	8,187	
Chat							41,504	1,154	
Coffee							118,267	6,959	
Hops / 'Geshe'							19,360	74	
Enset							233,993	15,973	
Sugar cane							48,080	707	
Other permanent							36,654	64	

(Table 1.7.2 Cont'd.)

Hadiya

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	26,476	4,402	3,601	187,895	77,429	*	*	31,870	12,580
Cereals	24,918	4,363	3,527	182,660	75,166	*	*	31,069	11,891
Teff	*	*	*	123,149	39,489	-	-	25,347	*
Barley	*	*	*	37,731	3,126	-	-	*	*
Wheat	4,847	794	1,697	118,649	31,870	*	*	4,180	*
Maize	18,572	2,046	656	1,987	*	-	-	*	*
Sorghum	-	-	-	*	*	-	-	-	-
Finger millet	-	-	-	*	*	-	-	-	-
Oats / 'Aja'	*	*	*	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	*	9,840	1,849	-	-	*	*
Horse / Faba beans	*	*	*	8,958	1,692	-	-	*	*
Field Peas	-	-	-	*	*	-	-	*	*
Haricot beans	-	-	-	-	-	-	-	*	*
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	-	-	-	2,298	*	-	-	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	*	*	-	-	-	-
Ethiopian cabbage	-	-	-	*	*	-	-	*	*
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	-	-	-	-
Red peppers	-	-	-	*	*	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	-	8,311	285	-	-	-	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	-	-	-
Potatoes	*	*	-	7,526	260	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	*	*	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other Temporary	-	-	-	*	*	-	-	*	*
Permanent crops				*	*	-	-	-	-
Avocado				*	*	-	-	-	-
Bananas				*	*	-	-	-	-
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	-	-	-	-
Oranges				-	-	-	-	-	-
Papayas				-	-	-	-	-	-
Pineapples				-	-	-	-	-	-
Stimulant	*	*	-	-	-	-	-	*	*
Chat				-	-	-	-	-	-
Coffee	*	*	-	-	-	-	-	*	*
Hops / 'Gesho'				-	-	-	-	-	-
Enset				1,666	*	-	-	-	-
Sugar cane				-	-	-	-	*	*
Other permanent				-	-	-	-	*	*

Table1.7.3 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Kembata-Tembaro

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	58,306	52,672	38,407	126,763	20,972	82,681	16,229	16,933
Cereals	29,000	26,868	27,189	27,641	2,043	64,100	11,679	11,056
Teff	10,415	10,371	9,115	*	*	31,337	4,631	3,489
Barley	1,632	1,523	1,468	5,067	128	13,496	949	1,069
Wheat	12,747	12,467	15,853	4,423	157	32,833	5,779	6,345
Maize	*	*	*	*	*	*	*	*
Sorghum	3,134	1,447	*	16,858	1,219	2,140	105	39
Finger millet	109	109	*	1,603	66	*	*	*
Oats / 'Aja'	*	*	*	*	*	*	*	*
Rice	*	*	-	*	*	-	-	-
Pulses	5,747	5,213	3,825	39,964	1,329	36,064	3,222	2,959
Horse / Faba beans	4,173	3,974	2,956	26,292	839	30,847	2,630	2,457
Field Peas	731	663	427	5,220	154	6,684	401	344
Haricot beans	803	561	436	18,672	322	7,573	191	158
Chick peas	*	*	-	*	*	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch / Grass peas	*	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	*	*	*	*	*	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	*	*	*	*	*	*	*	*
Neug	-	-	-	-	-	-	-	-
Linseed	*	*	*	*	*	*	*	*
Groundnuts	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-
Vegetables	2,142	2,128	*	98,881	1,691	2,790	*	*
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	*	*	*	3,119	*	*	*	*
Ethiopian cabbage	1,568	1,564	*	97,711	1,552	1,144	8	10
Tomatoes	*	*	-	3,268	*	-	-	-
Green peppers	6	6	-	3,027	6	-	-	-
Red peppers	*	*	*	1,515	*	*	*	*
Swiss chard	-	-	-	-	-	-	-	-
Root crops	7,082	5,826	4,716	75,781	3,849	22,040	830	1,459
Beetroot	35	30	*	4,472	12	*	*	*
Carrot	61	60	*	2,142	*	*	*	*
Onion	25	24	*	3,253	*	*	*	*
Potatoes	2,174	2,117	4,453	25,169	317	19,144	744	1,366
Garlic	*	*	*	1,896	*	*	*	*
Taro 'Godere'	3,091	2,504	*	50,979	2,398	*	*	*
Sweet potatoes	1,682	1,077	*	34,254	1,066	*	*	*
Other Temporary	1,129	911	*	38,620	680	2,929	*	*
Permanent crops	1,597	1,028	*	69,178	928	*	*	*
Avocado	364	264	*	43,177	254	*	*	*
Bananas	1,107	675	*	48,609	587	*	*	*
Guava	*	*	*	*	*	*	*	*
Lemons	*	*	*	1,183	*	*	*	*
Mangoes	74	48	*	11,070	46	*	*	*
Oranges	35	30	*	4,654	30	*	*	*
Papayas	*	*	*	*	*	*	*	*
Pineapples	-	-	-	-	-	*	*	*
Stimulant	3,304	2,568	*	67,387	2,383	*	*	*
Chat	*	*	*	8,520	*	*	*	*
Coffee	2,870	2,188	*	63,201	2,003	*	*	*
Hops / 'Gesho'	19	14	*	6,098	13	*	*	*
Enset	7,840	7,800	*	120,946	7,800	*	*	*
Sugar cane	385	276	*	24,311	248	*	*	*
Other permanent	41	26	*	9,007	20	*	*	*

(Table 1.7.3 cont'd.)

Kembata-Tembaro

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	4,815	198	195	58,637	15,273	21,279	129,136	56,953	38,799
Cereals	*	*	*	51,440	13,144	16,132	106,597	27,672	31,900
Teff	-	-	-	27,814	5,683	5,626	53,952	10,383	4,091
Barley	-	-	-	5,543	446	399	26,006	1,632	2,855
Wheat	-	-	-	36,448	6,530	9,509	66,192	11,784	24,029
Maize	-	-	-	*	*	*	*	*	*
Sorghum	*	*	*	*	*	*	34,430	3,134	578
Finger millet	-	-	-	*	*	*	3,125	109	42
Oats / 'Aja'	-	-	-	-	-	-	*	*	*
Rice	-	-	-	-	-	-	*	*	-
Pulses	*	*	*	10,788	648	862	78,639	5,747	6,885
Horse / Faba beans	*	*	*	7,897	494	496	62,034	4,173	4,879
Field Peas	*	*	*	*	*	*	15,532	731	*
Haricot beans	-	-	-	2,302	48	*	30,844	803	443
Chick peas	-	-	-	-	-	-	*	*	*
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	*	*	*
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	*	*	*	1,582	*	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	*	*	*	1,344	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	*	*	*	1,344	*	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	-	-	-	*	*	*	101,637	2,142	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	*	*	*	5,084	*	-
Ethiopian cabbage	-	-	-	*	*	*	99,811	1,568	-
Tomatoes	-	-	-	-	-	-	3,268	*	-
Green peppers	-	-	-	-	-	-	3,226	6	-
Red peppers	-	-	-	*	*	*	4,076	*	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	1,752	37	32	16,701	1,110	3,225	97,482	7,057	-
Beetroot	-	-	-	*	*	*	6,019	33	-
Carrot	*	*	*	*	*	*	4,183	*	-
Onion	-	-	-	-	-	-	4,196	25	-
Potatoes	*	*	*	15,312	1,056	3,086	49,846	2,153	-
Garlic	-	-	-	*	*	*	3,037	*	-
Taro 'Godere'	*	*	*	*	*	*	55,484	3,091	-
Sweet potatoes	-	-	-	-	-	-	43,302	1,682	-
Other Temporary	*	*	*	*	*	*	48,472	1,129	-
Permanent crops							79,226	1,597	
Avocado							53,739	364	
Bananas							58,744	1,107	
Guava							807	*	
Lemons							1,961	*	
Mangoes							15,682	74	
Oranges							6,574	35	
Papayas							3,654	*	
Pineapples							-	-	
Stimulant							75,953	3,304	
Chat							9,931	*	
Coffee							70,792	2,870	
Hops / 'Geshe'							9,373	19	
Enset							123,225	7,840	
Sugar cane							29,934	385	
Other permanent							14,541	41	

(Table 1.7.3 Cont'd.)

Kembata-Tembaro

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	7,140	1,353	1,912	75,849	19,569	*	*	7,624	1,847
Cereals	6,569	1,327	1,912	67,631	16,900	-	-	6,873	1,644
Teff	*	*	*	37,495	7,020	-	-	*	*
Barley	-	-	-	7,104	586	-	-	*	*
Wheat	3,716	962	1,774	46,393	9,175	-	-	4,961	1,055
Maize	*	*	*	*	*	-	-	*	*
Sorghum	-	-	-	*	*	-	-	*	*
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	*	*	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	7,662	671	-	-	*	*
Horse / Faba beans	-	-	-	6,525	637	-	-	*	*
Field Peas	-	-	-	*	*	-	-	-	-
Haricot beans	-	-	-	*	*	-	-	*	*
Chick peas	-	-	-	*	*	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	*	*	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	*	*	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	-	-	-	3,358	*	-	-	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	*	*	-	-	-	-
Ethiopian cabbage	-	-	-	*	*	-	-	*	*
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	-	-	-	-
Red peppers	-	-	-	*	*	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	-	24,089	1,617	*	*	*	*
Beetroot	*	*	-	*	*	-	-	-	-
Carrot	*	*	-	*	*	-	-	-	-
Onion	-	-	-	-	-	-	-	-	-
Potatoes	*	*	-	23,140	1,589	*	*	*	*
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	*	*	-	-	-	-
Other Temporary	-	-	-	*	*	-	-	-	-
Permanent crops	-	-	-	*	*	-	-	*	*
Avocado	-	-	-	-	-	-	-	-	-
Bananas	-	-	-	*	*	-	-	*	*
Guava	-	-	-	-	-	-	-	-	-
Lemons	-	-	-	-	-	-	-	-	-
Mangoes	-	-	-	-	-	-	-	-	-
Oranges	-	-	-	*	*	-	-	-	-
Papayas	-	-	-	-	-	-	-	-	-
Pineapples	-	-	-	-	-	-	-	-	-
Stimulant	-	-	-	*	*	-	-	*	*
Chat	-	-	-	*	*	-	-	-	-
Coffee	-	-	-	*	*	-	-	*	*
Hops / 'Gesho'	-	-	-	-	-	-	-	-	-
Enset	-	-	-	1,136	86	-	-	-	-
Sugar cane	-	-	-	*	*	-	-	-	-
Other permanent	-	-	-	*	*	*	*	*	*

Table1.7.4 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Sidama

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	250,913	172,917	123,390	782,108	119,551	234,344	32,701	51,668
Cereals	53,923	39,079	45,419	76,580	*	138,798	19,503	19,601
Teff	5,121	*	*	*	*	23,990	*	*
Barley	26,219	18,512	8,753	22,556	*	64,286	10,408	8,041
Wheat	2,381	1,294	1,013	*	*	*	*	*
Maize	19,515	15,801	31,749	45,370	1,248	53,973	5,640	7,742
Sorghum	687	*	*	*	*	*	*	*
Finger millet	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
Pulses	24,687	17,113	19,946	130,390	6,984	93,910	6,332	7,275
Horse / Faba beans	5,489	1,990	*	29,243	*	7,272	*	*
Field Peas	*	*	*	*	*	*	*	*
Haricot beans	16,309	12,405	18,577	97,494	3,483	77,693	5,275	6,286
Chick peas	*	*	*	-	-	*	*	*
Lentils	*	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	*	*	*	*	*	*	*	*
Gibto	-	-	-	-	-	-	-	-
Oilseeds	49	*	*	*	*	*	*	*
Neug	-	-	-	-	-	-	-	-
Linseed	38	*	*	*	*	*	*	*
Groundnuts	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Rapeseed	*	*	-	*	*	-	-	-
Vegetables	5,658	5,140	3,870	272,361	3,698	15,341	*	528
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	3,890	*	-	-	-
Ethiopian cabbage	3,735	3,361	1,376	258,541	3,275	7,629	47	239
Tomatoes	*	*	*	-	-	*	*	*
Green peppers	396	258	*	35,057	210	4,111	*	*
Red peppers	*	*	*	*	*	*	*	*
Swiss chard	-	-	-	-	-	-	-	-
Root crops	13,184	5,653	3,690	168,333	4,196	34,539	1,152	2,617
Beetroot	*	*	-	*	*	-	-	-
Carrot	*	*	*	*	*	*	*	*
Onion	558	531	*	34,583	528	*	*	*
Potatoes	*	*	*	8,900	*	*	*	*
Garlic	*	*	-	*	*	-	-	-
Taro 'Godere'	548	175	*	29,255	168	*	*	*
Sweet potatoes	11,756	4,731	2,880	103,664	3,434	32,572	1,118	1,948
Other Temporary	1,401	627	*	64,791	594	*	*	*
Permanent crops	4,167	2,128	*	208,616	1,772	*	*	*
Avocado	1,189	524	*	72,771	469	*	*	*
Bananas	2,598	1,393	*	162,807	1,229	*	*	*
Guava	*	*	*	*	*	*	*	*
Lemons	-	-	-	-	-	-	-	-
Mangoes	*	*	*	*	*	*	*	*
Oranges	*	*	*	*	*	*	*	*
Papayas	*	*	*	*	*	*	*	*
Pineapples	*	*	*	*	*	*	*	*
Stimulant	67,615	35,602	*	470,745	29,257	*	*	*
Chat	22,267	13,552	*	168,229	9,236	*	*	*
Coffee	44,930	21,922	*	412,641	19,926	*	*	*
Hops / 'Geshe'	418	128	*	13,062	*	*	*	*
Enset	73,744	63,742	*	762,564	62,689	*	*	*
Sugar cane	6,294	*	*	78,092	1,283	*	*	*
Other permanent	191	*	*	8,533	*	*	*	*

(Table 1.7.4 cont'd.)

Sidama									
Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	32,495	3,316	*	103,765	17,349	56,763	866,892	233,859	75,272
Cereals	*	*	*	76,667	10,081	25,563	302,579	41,883	48,898
Teff	*	*	*	3,914	*	242	39,581	3,451	2,901
Barley	*	*	*	*	*	*	139,842	25,787	35,602
Wheat	-	-	-	*	*	*	24,836	1,816	3,325
Maize	*	-	*	69,955	8,914	23,962	134,393	10,142	6,745
Sorghum	-	-	-	*	*	*	21,860	687	326
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	*	54,276	3,659	12,292	332,972	23,702	26,343
Horse / Faba beans	-	-	-	*	*	*	80,743	5,489	6,593
Field Peas	-	-	-	*	*	*	22,462	*	*
Haricot beans	*	*	*	52,488	3,510	11,912	238,682	15,325	18,275
Chick peas	-	-	-	-	-	-	*	*	*
Lentils	-	-	-	-	-	-	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	*	*	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	4,681	49	30
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	3,786	38	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	*	*	*
Vegetables	*	*	*	*	*	*	332,597	5,581	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	*	*	-
Ethiopian cabbage	*	*	*	*	*	*	292,280	3,700	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	52,500	396	-
Red peppers	*	*	*	*	*	*	*	*	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	*	*	*	770	347,746	12,825	-
Beetroot	-	-	-	-	-	-	*	*	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	-	-	-	-	-	-	38,377	558	-
Potatoes	-	-	-	*	*	*	18,912	*	-
Garlic	-	-	-	-	-	-	*	*	-
Taro 'Godere'	*	*	*	-	-	-	54,361	548	-
Sweet potatoes	*	*	*	*	*	*	268,232	11,403	-
Other Temporary	*	*	*	*	*	*	109,546	1,399	-
Permanent crops							310,325	4,162	
Avocado							146,708	1,189	
Bananas							245,863	2,598	
Guava							12,396	*	
Lemons							-	-	
Mangoes							*	*	
Oranges							12,049	*	
Papayas							*	*	
Pineapples							*	*	
Stimulant							624,839	65,743	
Chat							330,196	22,267	
Coffee							541,924	43,058	
Hops / 'Gescho'							31,428	418	
Enset							846,748	72,052	
Sugar cane							184,222	6,294	
Other permanent							22,245	169	

(Table 1.7.4 Cont'd.)

Sidama

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	140,512	17,054	10,363	28,161	2,180			37,157	8,947
Cereals	78,901	12,040	8,616	*	*	*	*	22,005	5,259
Teff	7,321	*	977	*	*	-	-	*	*
Barley	*	*	*	-	-	*	*	6,356	*
Wheat	3,597	*	*	*	*	-	-	*	*
Maize	68,907	9,373	5,427	*	*	*	*	12,847	2,440
Sorghum	-	-	-	-	-	-	-	-	-
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	21,224	*	1,746	*	*	*	*	10,419	1,040
Horse / Faba beans	-	-	-	-	-	-	-	*	*
Field Peas	-	-	-	*	*	-	-	*	*
Haricot beans	21,224	*	1,746	*	*	*	*	7,745	828
Chick peas	-	-	-	-	-	-	-	*	*
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	*	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	*	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	*	*	-	*	*	*	*	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	-	-	-	-	*	*
Ethiopian cabbage	*	*	-	-	-	*	*	*	*
Tomatoes	-	-	-	-	-	*	-	-	-
Green peppers	-	-	-	-	-	*	*	-	-
Red peppers	-	-	-	*	*	-	-	*	*
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	-	*	*	*	*	*	*
Beetroot	*	*	-	-	-	-	-	*	*
Carrot	*	*	-	-	-	*	*	-	-
Onion	-	-	-	-	-	-	-	*	*
Potatoes	-	-	-	-	-	*	*	-	-
Garlic	-	-	-	-	-	-	-	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	-	*	*	*	*	-	-
Other Temporary	*	*	-	*	-	*	*	-	-
Permanent crops						*	*	*	*
Avocado				-	-	*	*	-	-
Bananas				-	-	*	*	*	*
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	-	-	-	-
Oranges				-	-	-	-	-	-
Papayas				-	-	*	*	-	-
Pineapples				-	-	-	-	-	-
Stimulant	*	*	-	13,587	1,052	*	*	12,883	1,430
Chat				*	*	*	*	*	*
Coffee	*	*	-	*	*	*	*	11,954	1,268
Hops / 'Gescho'				*	-	-	-	-	-
Enset				3,647	*	*	*	-	-
Sugar cane				-	-	*	*	-	-
Other permanent				-	-	-	-	*	*

Table1.7.5. Number of Holders, Inputs Applied Area and Quantity of Inputs used

Gedio

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	49,779	21,929	5,855	142,506	16,991	17,598	4,390	4,615
Cereals	13,718	7,318	4,155	24,341	*	13,567	3,402	3,230
Teff	*	*	*	-	-	*	*	*
Barley	4,438	2,467	*	13,912	*	4,099	*	*
Wheat	*	*	*	*	*	*	*	*
Maize	8,103	4,229	2,898	14,519	*	8,434	2,235	2,244
Sorghum	*	-	-	-	-	-	-	-
Finger millet	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
Pulses	2,445	949	*	16,403	582	2,692	367	*
Horse / Faba beans	1,587	606	*	9,178	278	*	*	*
Field Peas	335	*	-	2,916	*	-	-	-
Haricot beans	*	152	*	5,862	*	*	*	*
Chick peas	*	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	*	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	*	*	-	*	*	-	-	-
Neug	-	-	-	-	-	-	-	-
Linseed	*	*	-	*	*	-	-	-
Groundnuts	*	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-
Vegetables	1,620	1,184	*	93,198	1,161	*	*	*
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	*	*	-	-	-
Ethiopian cabbage	1,597	1,170	*	91,386	1,148	*	*	*
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	16	9	-	5,335	9	-	-	-
Red peppers	*	-	-	-	-	-	-	-
Swiss chard	*	*	-	*	*	-	-	-
Root crops	2,198	1,180	*	34,191	700	*	*	*
Beetroot	*	*	-	2,092	*	-	-	-
Carrot	*	*	-	*	*	-	-	-
Onion	-	-	-	-	-	-	-	-
Potatoes	*	*	*	*	*	*	*	*
Garlic	*	*	-	*	*	-	-	-
Taro 'Godere'	730	344	*	24,099	343	*	*	*
Sweet potatoes	*	*	*	11,128	*	*	*	*
Other Temporary	492	*	-	21,044	*	-	-	-
Permanent crops	1,355	480	*	35,690	475	*	*	*
Avocado	434	168	-	21,705	168	-	-	-
Bananas	826	284	-	21,987	284	-	-	-
Guava	*	-	-	-	-	-	-	-
Lemons	*	-	-	-	-	-	-	-
Mangoes	*	*	-	*	*	-	-	-
Oranges	*	-	-	-	-	-	-	-
Papayas	*	*	-	*	*	-	-	-
Pineapples	*	*	-	*	*	-	-	-
Stimulant	16,314	4,838	*	90,296	4,722	*	*	*
Chat	*	*	-	*	*	-	-	-
Coffee	15,874	4,662	-	88,522	4,546	-	-	-
Hops / 'Geshe'	82	*	-	3,976	*	-	-	-
Enset	11,265	5,563	-	126,470	5,402	-	-	-
Sugar cane	283	*	-	8,847	*	-	-	-
Other permanent	62	8	-	4,446	8	-	-	-

(Table 1.7.5 cont'd.)

Gedio

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	*	*	*	*	*	*	226,265	46,647	16,893
Cereals	*	*	*	*	*	*	65,133	11,368	13,805
Teff	-	-	-	*	*	*	*	*	*
Barley	*	-	*	*	-	*	35,873	4,402	7,705
Wheat	-	-	-	-	-	-	7,077	*	1,665
Maize	*	*	*	*	*	*	40,710	5,876	4,055
Sorghum	-	-	-	-	-	-	*	*	*
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	-	-	-	46,171	2,424	3,062
Horse / Faba beans	-	-	-	-	-	-	24,505	1,587	2,306
Field Peas	-	-	-	-	-	-	7,001	335	330
Haricot beans	-	-	-	-	-	-	20,857	470	421
Chick peas	-	-	-	-	-	-	*	*	*
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	*	*	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	2,309	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	1,971	*	*
Groundnuts	-	-	-	-	-	-	*	*	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	-	-	-	*	*	*	128,120	1,616	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	*	*	-
Ethiopian cabbage	-	-	-	*	*	*	126,308	1,597	-
Tomatoes	-	-	-	-	-	-	1,472	*	-
Green peppers	-	-	-	-	-	-	7,467	14	-
Red peppers	-	-	-	-	-	-	*	*	-
Swiss chard	-	-	-	-	-	-	*	*	-
Root crops	*	*	*	-	-	-	61,401	2,192	-
Beetroot	-	-	-	-	-	-	1,735	*	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	-	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	1,232	*	-
Garlic	-	-	-	-	-	-	*	*	-
Taro 'Godere'	-	-	-	-	-	-	39,941	730	-
Sweet potatoes	*	*	*	-	-	-	28,488	*	-
Other Temporary	-	-	-	-	-	-	38,437	492	-
Permanent crops							69,741	1,350	
Avocado							49,896	434	
Bananas							43,170	826	
Guava							*	*	
Lemons							*	*	
Mangoes							*	*	
Oranges							*	*	
Papayas							*	*	
Pineapples							*	*	
Stimulant							176,696	15,679	
Chat							*	*	
Coffee							174,584	15,239	
Hops / 'Geshe'							6,325	82	
Enset							214,712	11,153	
Sugar cane							17,942	283	
Other permanent							12,300	62	

(Table 1.7.5 Cont'd.)

Gedio

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	22,091	3,130	1,199	1,368	*	*	*	14,916	3,001
Cereals	10,883	2,350	1,161	*	*	-	-	11,026	2,599
Teff	*	*	*	*	*	-	-	*	-
Barley	*	*	*	*	*	-	-	1,412	*
Wheat	-	-	-	-	-	-	-	*	-
Maize	10,134	2,227	1,013	-	-	-	-	10,098	2,406
Sorghum	-	-	-	-	-	-	-	-	-
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	*	-	-	-	-	*	*
Horse / Faba beans	-	-	-	-	-	-	-	*	*
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	*	*	*	-	-	-	-	-	-
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	*	*	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	*	*	*	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	*	*	-	*	*	*	*	2,517	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	*	*	*	*	2,517	*
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	-	-	-	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	*	*	-	-	-	-	-	-	-
Root crops	*	*	-	-	-	*	*	*	*
Beetroot	*	*	-	-	-	-	-	*	*
Carrot	*	*	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	-	-	-
Potatoes	*	*	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	*	*	-	-
Taro 'Godere'	-	-	-	-	-	*	*	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other Temporary	-	-	-	-	-	*	*	*	*
Permanent crops				-	-	-	-	*	*
Avocado				-	-	-	-	*	*
Bananas				-	-	-	-	-	-
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	-	-	-	-
Oranges				-	-	-	-	-	-
Papayas				-	-	-	-	-	-
Pineapples				-	-	-	-	-	-
Stimulant	8,321	*	-	-	-	*	*	4,210	*
Chat				-	-	-	-	*	*
Coffee	8,321	*	-	-	-	*	*	3,872	*
Hops / 'Geshe'				*	*	-	-	-	-
Enset				*	*	*	*	-	-
Sugar cane				-	-	-	-	-	-
Other permanent				-	-	-	-	-	-

Table1.7.6 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Wolayita

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	129,160	107,930	34,972	290,869	54,039	189,863	42,823	25,042
Cereals	36,965	35,811	22,516	55,040	2,169	128,942	24,466	14,473
Teff	27,336	26,987	15,767	2,194	154	108,360	21,571	11,864
Barley	434	401	*	3,052	99	4,474	163	76
Wheat	4,577	4,531	4,367	4,155	*	18,076	1,765	1,537
Maize	3,057	2,874	2,114	30,194	680	20,664	878	952
Sorghum	1,542	1,005	*	21,274	924	1,444	*	*
Finger millet	-	-	-	-	-	-	-	-
Oats / 'Aja'	*	*	*	*	*	*	*	*
Rice	-	-	-	-	-	-	-	-
Pulses	29,415	23,418	8,851	116,234	6,145	116,353	16,388	8,251
Horse / Faba beans	1,147	881	*	20,406	791	1,438	*	*
Field Peas	1,476	858	*	18,664	792	*	*	*
Haricot beans	25,553	20,929	8,669	95,535	4,111	112,252	15,963	8,098
Chick peas	910	564	*	*	295	2,961	*	*
Lentils	-	-	-	-	-	-	-	-
Vetch / Grass peas	*	-	-	-	-	-	-	-
Soya beans	*	*	*	6,050	*	*	*	*
Fenugreek	-	-	-	-	-	-	-	-
Gibto	*	*	-	*	*	-	-	-
Oilseeds	*	*	*	*	*	*	*	*
Neug	-	-	-	-	-	-	-	-
Linseed	*	*	*	*	*	*	*	*
Groundnuts	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-
Vegetables	839	816	*	95,540	734	2,865	*	*
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	*	*	*	*	*	*	*	*
Ethiopian cabbage	654	640	15	89,479	627	*	*	15
Tomatoes	*	*	*	-	-	*	*	*
Green peppers	88	86	*	15,099	*	*	*	*
Red peppers	*	*	*	4,643	*	*	-	*
Swiss chard	-	-	-	-	-	-	-	-
Root crops	28,967	22,703	1,177	260,042	21,327	25,920	1,209	849
Beetroot	*	*	*	*	*	*	*	*
Carrot	*	*	-	*	*	-	-	-
Onion	*	*	-	3,448	*	-	-	-
Potatoes	1,077	1,009	476	27,374	418	17,624	560	449
Garlic	*	*	-	*	*	-	-	-
Taro 'Godere'	9,718	7,501	*	187,699	7,323	2,903	*	*
Sweet potatoes	18,018	14,064	391	221,968	13,472	6,481	518	*
Other Temporary	11,404	6,192	*	143,614	5,262	4,204	*	*
Permanent crops	3,973	2,739	*	174,955	2,631	*	*	*
Avocado	1,099	904	-	101,507	895	-	-	-
Bananas	2,062	1,466	-	121,017	1,395	-	-	-
Guava	14	9	-	2,614	9	-	-	-
Lemons	6	*	-	*	*	-	-	-
Mangoes	704	306	-	55,664	279	-	-	-
Oranges	43	19	-	5,580	19	-	-	-
Papayas	44	30	-	10,433	30	-	-	-
Pineapples	*	*	-	*	*	-	-	-
Stimulant	8,378	7,606	*	232,488	7,184	*	*	*
Chat	*	35	-	4,557	35	-	-	-
Coffee	8,250	7,543	-	231,366	7,122	-	-	-
Hops / 'Gescho'	49	28	-	6,805	27	-	-	-
Enset	7,973	7,804	-	259,334	7,789	-	-	-
Sugar cane	1,177	796	-	54,129	764	-	-	-
Other permanent	55	32	-	10,980	31	-	-	-

(Table 1.7.6 cont'd.)

Wolayita

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	11,294	1,136	1,291	37,125	9,932	8,639	304,067	125,600	37,201
Cereals	*	*	*	32,600	9,068	7,948	180,049	33,426	21,041
Teff	*	*	*	18,819	5,156	3,826	124,204	25,520	11,928
Barley	-	-	-	*	*	*	9,045	434	664
Wheat	-	-	-	12,309	*	*	31,921	4,131	7,336
Maize	*	*	*	3,950	*	1,145	48,230	1,780	847
Sorghum	-	-	-	*	*	*	31,228	1,542	226
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	*	*	*
Rice	-	-	-	-	-	-	-	-	-
Pulses	1,431	*	*	6,689	749	506	221,180	29,415	16,154
Horse / Faba beans	-	-	-	-	-	-	26,963	1,147	884
Field Peas	-	-	-	*	*	*	26,554	1,476	852
Haricot beans	*	*	*	5,982	743	493	200,915	25,553	14,053
Chick peas	*	*	*	-	-	-	11,180	910	319
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	*	*	*
Soya beans	-	-	-	*	*	*	8,934	*	*
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	*	*	*
Oilseeds	-	-	-	*	*	*	1,837	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	*	*	*	1,837	*	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	*	*	*	*	*	*	99,650	839	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	*	*	*	*	*	*	*	*	-
Ethiopian cabbage	-	-	-	-	-	-	92,865	654	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	15,823	88	-
Red peppers	-	-	-	-	-	-	5,017	*	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	3,026	*	*	*	*	*	281,542	28,954	-
Beetroot	-	-	-	-	-	-	*	*	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	-	-	-	-	-	-	5,115	*	-
Potatoes	-	-	-	*	*	*	46,623	1,069	-
Garlic	-	-	-	-	-	-	*	*	-
Taro 'Godere'	*	*	*	-	-	-	201,389	9,713	-
Sweet potatoes	*	*	*	*	*	*	256,171	18,018	-
Other Temporary	*	*	*	-	-	-	171,807	11,404	-
Permanent crops							215,779	3,973	
Avocado							131,363	1,099	
Bananas							150,020	2,062	
Guava							4,029	14	
Lemons							2,268	6	
Mangoes							85,862	704	
Oranges							12,533	43	
Papayas							13,699	44	
Pineapples							*	*	
Stimulant							254,791	8,372	
Chat							6,408	*	
Coffee							253,312	8,244	
Hops / 'Gesho'							12,481	49	
Enset							269,765	7,973	
Sugar cane							66,459	1,177	
Other permanent							17,227	53	

(Table 1.7.6 Cont'd.)

Wolayita

	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
Crop type	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	13,041	3,561	2,065	4,065	*	*	*	46,772	14,452
Cereals	11,265	3,539	2,065	2,587	*	-	-	38,514	11,910
Teff	*	*	*	*	*	-	-	28,330	9,019
Barley	-	-	-	-	-	-	-	*	*
Wheat	*	*	*	*	*	-	-	13,136	1,537
Maize	*	*	209	-	-	-	-	3,183	*
Sorghum	-	-	-	-	-	-	-	-	-
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	*	*
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	*	*	-	-	10,729	1,587
Horse / Faba beans	-	-	-	-	-	-	-	*	*
Field Peas	-	-	-	-	-	-	-	*	*
Haricot beans	-	-	-	*	*	-	-	9,640	1,510
Chick peas	-	-	-	-	-	-	-	*	*
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	-	-	-	-	-	-	-	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	*	*
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	-	-	-	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	-	*	*	*	*	4,002	*
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	*	*
Onion	-	-	-	-	-	-	-	-	-
Potatoes	*	*	-	-	-	-	-	*	*
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	*	*	-	-	-	*	*	*	*
Sweet potatoes	-	-	-	*	*	*	*	*	*
Other Temporary	-	-	-	-	-	*	*	*	*
Permanent crops				-	-	*	*	*	*
Avocado				-	-	*	*	*	*
Bananas				-	-	-	-	*	*
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	*	*	*	*
Oranges				-	-	-	-	-	-
Papayas				-	-	-	-	-	-
Pineapples				-	-	-	-	-	-
Stimulant	*	*	-	-	-	*	*	2,926	*
Chat				-	-	-	-	-	-
Coffee	*	*	-	-	-	*	*	2,926	*
Hops / 'Gesho'						-	-	-	-
Enset				*	*	-	-	-	-
Sugar cane				-	-	-	-	-	-
Other permanent				-	-	-	-	-	-

Table1.7.7. Number of Holders, Inputs Applied Area and Quantity of Inputs used

South Omo

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	63,515	9,668	6,672	23,360	3,029	5,628	990	671
Cereals	40,931	6,114	5,345	3,570	270	3,217	519	*
Teff	1,576	*	*	*	*	*	*	*
Barley	6,084	*	*	-	-	*	*	*
Wheat	4,630	*	*	-	-	*	*	*
Maize	18,719	4,109	3,785	*	*	1,923	*	*
Sorghum	9,803	*	-	*	*	-	-	-
Finger millet	*	-	-	-	-	-	-	-
Oats / 'Aja'	*	-	-	-	-	-	-	-
Rice	*	*	*	-	-	*	*	*
Pulses	6,117	*	*	*	*	*	*	*
Horse / Faba beans	2,575	*	*	*	*	*	*	*
Field Peas	1,788	-	-	-	-	-	-	-
Haricot beans	1,612	*	*	*	*	-	-	-
Chick peas	*	-	-	-	-	-	-	-
Lentils	*	-	-	-	-	-	-	-
Vetch / Grass peas	*	*	-	*	*	-	-	-
Soya beans	*	*	-	*	*	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	*	*	*	-	-	*	*	*
Neug	-	-	-	-	-	-	-	-
Linseed	*	-	-	-	-	-	-	-
Groundnuts	*	-	-	-	-	-	-	-
Safflower	*	-	-	-	-	-	-	-
Sesame	*	*	*	-	-	*	*	*
Rapeseed	-	-	-	-	-	-	-	-
Vegetables	412	*	-	*	*	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	*	*	-	-	-
Ethiopian cabbage	378	*	-	*	*	-	-	-
Tomatoes	-	-	-	-	-	-	-	-
Green peppers	*	-	-	-	-	-	-	-
Red peppers	*	*	-	*	*	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
Root crops	1,491	*	-	*	*	-	-	-
Beetroot	*	*	-	*	*	-	-	-
Carrot	*	-	-	-	-	-	-	-
Onion	*	*	-	*	*	-	-	-
Potatoes	*	-	-	-	-	-	-	-
Garlic	*	*	-	*	*	-	-	-
Taro 'Godere'	743	*	-	*	*	-	-	-
Sweet potatoes	487	*	-	*	*	-	-	-
Other Temporary	1,958	123	*	*	*	*	*	*
Permanent crops	608	*	*	*	*	*	*	*
Avocado	*	-	-	-	-	-	-	-
Bananas	459	*	-	*	*	-	-	-
Guava	-	-	-	-	-	-	-	-
Lemons	*	-	-	-	-	-	-	-
Mangoes	79	*	-	*	*	-	-	-
Oranges	*	-	-	-	-	-	-	-
Papayas	41	*	-	*	*	-	-	-
Pineapples	*	-	-	-	-	-	-	-
Stimulant	2,821	*	*	*	*	*	*	*
Chat	*	*	-	*	*	-	-	-
Coffee	2,647	*	-	*	*	-	-	-
Hops / 'Geshe'	*	*	-	*	*	-	-	-
Enset	5,081	*	-	*	*	-	-	-
Sugar cane	*	*	-	*	*	-	-	-
Other permanent	636	73	-	2,336	*	-	-	-

(Table 1.7.7 cont'd.)

South Omo

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	*	*	*	21,244	5,537	5,997	129,139	59,436	15,303
Cereals	*	*	*	20,664	5,213	5,041	106,493	37,128	12,409
Teff	-	-	-	*	*	*	9,670	1,556	474
Barley	-	-	-	*	*	*	27,298	6,084	3,898
Wheat	-	-	-	*	*	*	17,546	4,042	*
Maize	*	*	*	13,586	3,573	3,600	60,032	15,572	3,524
Sorghum	-	-	-	-	-	-	43,834	9,755	2,003
Finger millet	-	-	-	-	-	-	*	*	*
Oats / 'Aja'	-	-	-	-	-	-	*	*	*
Rice	-	-	-	-	-	-	*	*	*
Pulses	-	-	-	*	*	*	53,086	6,117	2,370
Horse / Faba beans	-	-	-	*	*	*	25,980	2,575	1,194
Field Peas	-	-	-	-	-	-	14,358	1,788	684
Haricot beans	-	-	-	*	*	*	23,712	1,612	437
Chick peas	-	-	-	-	-	-	*	*	*
Lentils	-	-	-	-	-	-	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	*	*	-
Soya beans	-	-	-	-	-	-	*	*	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	*	*	*	11,276	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	*	*	*
Groundnuts	-	-	-	-	-	-	1,252	*	*
Safflower	-	-	-	-	-	-	1,587	*	3
Sesame	-	-	-	*	*	*	*	*	*
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	-	-	-	-	-	-	29,706	410	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	*	*	-
Ethiopian cabbage	-	-	-	-	-	-	25,347	377	-
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	-	*	*	-
Red peppers	-	-	-	-	-	-	*	*	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	-	-	-	-	-	-	46,331	1,488	-
Beetroot	-	-	-	-	-	-	*	*	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	-	-	-	-	-	-	*	*	-
Potatoes	-	-	-	-	-	-	2,401	*	-
Garlic	-	-	-	-	-	-	*	*	-
Taro 'Godere'	-	-	-	-	-	-	29,297	740	-
Sweet potatoes	-	-	-	-	-	-	14,947	487	-
Other Temporary	-	-	-	*	*	*	41,335	1,942	-
Permanent crops							38,527	608	
Avocado							6,207	*	
Bananas							28,692	459	
Guava							-	-	
Lemons							*	*	
Mangoes							13,074	79	
Oranges							*	*	
Papayas							11,896	41	
Pineapples							*	*	
Stimulant							39,966	2,813	
Chat							*	*	
Coffee							38,530	2,640	
Hops / 'Geshe'							1,795	*	
Enset							65,413	5,078	
Sugar cane							5,448	*	
Other permanent							29,769	634	

(Table 1.7.7 Cont'd.)

South Omo

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	15,936	4,015	1,375	1,530	*	*	*	21,700	5,657
Cereals	15,160	3,766	1,356	*	*	*	*	20,494	5,067
Teff	*	*	*	-	-	-	-	*	*
Barley	-	-	-	*	*	-	-	*	*
Wheat	*	*	*	*	*	-	-	*	*
Maize	11,909	3,147	682	*	*	*	*	12,836	3,247
Sorghum	*	*	*	-	-	-	-	-	-
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	*	*
Pulses	-	-	-	-	-	-	-	*	*
Horse / Faba beans	-	-	-	-	-	-	-	*	*
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	-	-	*	*
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	*	*	*	-	-	-	-	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	*	*	*	-	-	-	-	*	*
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	*	*	-	*	*	-	-	-	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	*	*	-	-	-	-
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	-	-	-	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	-	-	-	-	-	-	-
Beetroot	*	*	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other Temporary	-	-	-	*	*	-	-	*	*
Permanent crops				*	*	*	*	*	*
Avocado				-	-	-	-	-	-
Bananas				-	-	*	*	*	*
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	-	-	-	-
Oranges				-	-	-	-	-	-
Papayas				*	*	-	-	-	-
Pineapples				-	-	-	-	-	-
Stimulant	*	*	-	-	-	-	-	*	*
Chat				-	-	-	-	-	-
Coffee	*	*	-	-	-	-	-	*	*
Hops / 'Gesho'						-	-	-	-
Enset				*	*	-	-	-	-
Sugar cane				-	-	-	-	-	-
Other permanent				-	-	-	-	*	*

Table1.7.8 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Sheka

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	32,738	2,566	480	10,140	1,717	2,345	600	326
Cereals	10,317	947	457	*	*	2,152	573	303
Teff	964	*	*	*	*	*	*	*
Barley	242	*	*	*	*	*	*	*
Wheat	182	88	*	*	*	*	*	*
Maize	516	*	*	*	*	*	*	*
Sorghum	8,177	619	271	*	*	1,494	387	162
Finger millet	-	-	-	-	-	-	-	-
Oats / 'Aja'	*	-	-	-	-	-	-	-
Rice	*	-	-	-	-	-	-	-
Pulses	3,807	*	*	*	*	*	*	*
Horse / Faba beans	1,099	*	*	*	*	*	*	*
Field Peas	2,545	*	*	*	*	*	*	*
Haricot beans	162	*	-	*	*	-	-	-
Chick peas	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	*	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	*	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-
Linseed	*	-	-	-	-	-	-	-
Groundnuts	*	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Rapeseed	*	-	-	-	-	-	-	-
Vegetables	472	39	*	5,424	33	*	*	*
Lettuce	*	-	-	-	-	-	-	-
Head cabbage	*	-	-	-	-	-	-	-
Ethiopian cabbage	152	33	-	5,329	33	-	-	-
Tomatoes	*	*	*	-	-	*	*	*
Green peppers	78	*	-	*	*	-	-	-
Red peppers	*	-	-	-	-	-	-	-
Swiss chard	*	-	-	-	-	-	-	-
Root crops	947	32	-	3,368	32	-	-	-
Beetroot	*	-	-	-	-	-	-	-
Carrot	*	-	-	-	-	-	-	-
Onion	94	*	-	*	*	-	-	-
Potatoes	22	-	-	-	-	-	-	-
Garlic	11	*	-	*	*	-	-	-
Taro 'Godere'	786	17	-	2,096	17	-	-	-
Sweet potatoes	*	*	-	*	*	-	-	-
Other Temporary	1,196	*	-	*	*	-	-	-
Permanent crops	418	*	-	2,477	*	-	-	-
Avocado	75	*	-	*	*	-	-	-
Bananas	114	*	-	*	*	-	-	-
Guava	2	-	-	-	-	-	-	-
Lemons	*	-	-	-	-	-	-	-
Mangoes	126	*	-	*	*	-	-	-
Oranges	47	*	-	*	*	-	-	-
Papayas	43	*	-	*	*	-	-	-
Pineapples	*	-	-	-	-	-	-	-
Stimulant	11,677	95	-	3,062	95	-	-	-
Chat	152	*	-	*	*	-	-	-
Coffee	11,489	90	-	2,967	90	-	-	-
Hops / 'Gescho'	36	*	-	*	*	-	-	-
Enset	3,696	1,106	-	7,809	1,106	-	-	-
Sugar cane	186	8	-	1,139	8	-	-	-
Other permanent	18	*	-	*	*	-	-	-

(Table 1.7.8 cont'd.)

Sheka

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	1,074	249	*	-	-	-	48,052	32,584	6,452
Cereals	1,074	249	*	-	-	-	32,451	10,237	4,239
Teff	-	-	-	-	-	-	6,292	964	1,384
Barley	*	*	*	-	-	-	2,987	231	317
Wheat	*	*	*	-	-	-	1,250	*	*
Maize	-	-	-	-	-	-	6,091	516	239
Sorghum	*	*	*	-	-	-	24,832	8,177	2,059
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	*	*	-
Rice	-	-	-	-	-	-	*	*	*
Pulses	-	-	-	-	-	-	16,900	3,807	2,211
Horse / Faba beans	-	-	-	-	-	-	6,387	1,099	1,079
Field Peas	-	-	-	-	-	-	8,687	2,545	1,053
Haricot beans	-	-	-	-	-	-	8,935	162	*
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	*	*	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	408	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	*	*	*
Groundnuts	-	-	-	-	-	-	*	*	*
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	*	*	*
Vegetables	-	-	-	-	-	-	25,698	441	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	-	-	-	-	-	-	*	*	-
Ethiopian cabbage	-	-	-	-	-	-	20,963	152	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	8,110	78	-
Red peppers	-	-	-	-	-	-	1,746	*	-
Swiss chard	-	-	-	-	-	-	*	*	-
Root crops	-	-	-	-	-	-	29,367	939	-
Beetroot	-	-	-	-	-	-	*	*	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	-	-	-	-	-	-	5,157	*	-
Potatoes	-	-	-	-	-	-	571	22	-
Garlic	-	-	-	-	-	-	4,130	11	-
Taro 'Godere'	-	-	-	-	-	-	23,274	786	-
Sweet potatoes	-	-	-	-	-	-	1,726	*	-
Other Temporary	-	-	-	-	-	-	22,134	1,195	-
Permanent crops							29,819	418	
Avocado							13,563	75	
Bananas							12,828	114	
Guava							1,008	2	
Lemons							699	*	
Mangoes							17,434	126	
Oranges							7,813	47	
Papayas							14,345	43	
Pineapples							947	*	
Stimulant							35,963	11,645	
Chat							4,481	152	
Coffee							35,589	11,456	
Hops / 'Gesho'							4,803	36	
Enset							35,802	3,696	
Sugar cane							13,453	186	
Other permanent							10,127	18	

(Table 1.7.8 Cont'd.)

Sheka

	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
Crop type	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	1,665	154	*	3,666	1,545	*	*	5,474	1,583
Cereals	366	*	*	3,569	1,501	-	-	4,608	*
Teff	-	-	-	-	-	-	-	*	*
Barley	*	*	-	-	-	-	-	*	*
Wheat	*	*	*	*	*	-	-	473	88
Maize	-	-	-	*	*	-	-	*	*
Sorghum	-	-	-	3,182	1,206	-	-	3,955	*
Finger millet	-	-	-	-	-	-	-	-	-
Oats / ‘Aja’	-	-	-	-	-	-	-	-	-
Rice	-	-	-	*	*	-	-	-	-
Pulses	-	-	-	-	-	-	-	*	*
Horse / Faba beans	-	-	-	-	-	-	-	*	*
Field Peas	-	-	-	-	-	-	-	*	*
Haricot beans	-	-	-	-	-	-	-	*	*
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	*	*	-	-	-	-	-	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	-	-	-	-	*	*
Ethiopian cabbage	*	*	-	-	-	-	-	-	-
Tomatoes	-	-	-	-	-	-	-	*	*
Green peppers	-	-	-	-	-	-	-	-	-
Red peppers	-	-	-	-	-	-	-	*	*
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	-	-	-	-	-	*	*
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	*	*	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	*	*	-	-	-	-	-	*	*
Taro ‘Godere’	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other Temporary	*	*	-	*	*	-	-	-	-
Permanent crops				-	-	-	-	*	*
Avocado				-	-	-	-	*	*
Bananas				-	-	-	-	-	-
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	-	-	-	-
Oranges				-	-	-	-	-	-
Papayas				-	-	-	-	-	-
Pineapples				-	-	-	-	-	-
Stimulant	*	*	-	*	*	*	*	493	*
Chat				-	-	*	*	*	*
Coffee	*	*	-	*	*	-	-	*	*
Hops / ‘Gesho’				-	-	-	-	-	-
Enset				-	-	-	-	-	-
Sugar cane				-	-	-	-	-	-
Other permanent				-	-	-	-	-	-

Table1.7.9. Number of Holders, Inputs Applied Area and Quantity of Inputs used

Keffa

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	160,764	13,780	2,482	103,523	10,446	15,165	3,080	2,243
Cereals	80,365	4,233	2,439	6,553	987	14,900	2,993	2,199
Teff	29,517	1,559	788	1,740	522	6,122	1,037	788
Barley	7,481	473	*	*	*	1,802	*	*
Wheat	7,368	1,722	1,217	*	*	7,867	1,589	1,153
Maize	24,009	*	*	2,702	*	-	-	-
Sorghum	11,341	-	-	-	-	-	-	-
Finger millet	564	-	-	-	-	-	-	-
Oats / 'Aja'	*	-	-	-	-	-	-	-
Rice	*	-	-	-	-	-	-	-
Pulses	41,559	*	*	6,854	*	*	*	*
Horse / Faba beans	19,285	*	*	*	*	*	*	*
Field Peas	16,219	*	-	*	*	-	-	-
Haricot beans	6,050	*	-	1,766	*	-	-	-
Chick peas	-	-	-	-	-	-	-	-
Lentils	*	-	-	-	-	-	-	-
Vetch / Grass peas	*	*	-	*	*	-	-	-
Soya beans	*	-	-	-	-	-	-	-
Fenugreek	*	*	-	*	*	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	248	-	-	-	-	-	-	-
Neug	*	-	-	-	-	-	-	-
Linseed	92	-	-	-	-	-	-	-
Groundnuts	*	-	-	-	-	-	-	-
Safflower	*	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Rapeseed	*	-	-	-	-	-	-	-
Vegetables	1,103	476	*	57,567	467	*	*	*
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	*	*	-	-	-
Ethiopian cabbage	826	402	-	54,471	402	-	-	-
Tomatoes	*	-	-	-	-	-	-	-
Green peppers	92	*	-	5,209	*	-	-	-
Red peppers	*	*	*	*	*	*	*	*
Swiss chard	*	-	-	-	-	-	-	-
Root crops	3,828	491	*	31,509	485	*	*	*
Beetroot	*	*	-	*	*	-	-	-
Carrot	*	-	-	-	-	-	-	-
Onion	38	*	*	2,029	*	*	*	*
Potatoes	*	*	-	1,483	*	-	-	-
Garlic	41	*	-	2,909	*	-	-	-
Taro 'Godere'	3,536	401	-	26,167	401	-	-	-
Sweet potatoes	128	*	-	*	*	-	-	-
Other Temporary	1,922	*	-	5,281	*	-	-	-
Permanent crops	1,109	*	-	9,984	*	-	-	-
Avocado	81	12	-	2,021	12	-	-	-
Bananas	934	*	-	6,731	*	-	-	-
Guava	*	-	-	-	-	-	-	-
Lemons	*	-	-	-	-	-	-	-
Mangoes	*	*	-	*	*	-	-	-
Oranges	*	-	-	-	-	-	-	-
Papayas	64	*	-	*	*	-	-	-
Pineapples	*	-	-	-	-	-	-	-
Stimulant	9,286	532	-	20,642	529	-	-	-
Chat	183	*	-	3,004	*	-	-	-
Coffee	9,047	504	-	18,763	502	-	-	-
Hops / 'Gescho'	56	*	-	*	*	-	-	-
Enset	20,716	6,521	-	75,835	6,521	-	-	-
Sugar cane	529	67	-	8,007	67	-	-	-
Other permanent	100	*	-	2,876	*	-	-	-

(Table 1.7.9 cont'd.)

Keffa

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	1,159	*	*	*	*	*	216,040	158,740	101,457
Cereals	1,159	*	*	*	*	*	178,590	78,798	67,741
Teff	-	-	-	-	-	-	133,544	29,439	29,102
Barley	*	*	*	-	-	-	55,603	7,330	10,437
Wheat	*	*	*	-	-	-	32,283	6,031	*
Maize	-	-	-	*	*	*	59,194	24,009	13,666
Sorghum	-	-	-	-	-	-	52,738	11,341	4,140
Finger millet	-	-	-	-	-	-	7,184	564	297
Oats / 'Aja'	-	-	-	-	-	-	*	*	*
Rice	-	-	-	-	-	-	*	*	*
Pulses	-	-	-	-	-	-	158,463	41,488	33,668
Horse / Faba beans	-	-	-	-	-	-	104,493	19,215	19,518
Field Peas	-	-	-	-	-	-	73,114	16,219	9,026
Haricot beans	-	-	-	-	-	-	64,210	6,050	5,124
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	*	*	-
Vetch / Grass peas	-	-	-	-	-	-	*	*	-
Soya beans	-	-	-	-	-	-	*	*	*
Fenugreek	-	-	-	-	-	-	*	*	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	9,223	248	48
Neug	-	-	-	-	-	-	*	*	*
Linseed	-	-	-	-	-	-	6,858	92	39
Groundnuts	-	-	-	-	-	-	*	*	-
Safflower	-	-	-	-	-	-	*	*	*
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	*	*	*
Vegetables	-	-	-	-	-	-	131,121	1,103	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	1,814	*	-
Ethiopian cabbage	-	-	-	-	-	-	119,447	826	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	17,342	92	-
Red peppers	-	-	-	-	-	-	7,981	*	-
Swiss chard	-	-	-	-	-	-	*	*	-
Root crops	-	-	-	-	-	-	140,244	3,827	-
Beetroot	-	-	-	-	-	-	1,995	*	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	-	-	-	-	-	-	8,448	37	-
Potatoes	-	-	-	-	-	-	3,039	*	-
Garlic	-	-	-	-	-	-	12,250	41	-
Taro 'Godere'	-	-	-	-	-	-	125,328	3,536	-
Sweet potatoes	-	-	-	-	-	-	10,368	128	-
Other Temporary	-	-	-	-	-	-	56,078	1,922	-
Permanent crops							79,463	1,108	
Avocado							12,555	81	
Bananas							67,065	934	
Guava							*	*	
Lemons							*	*	
Mangoes							5,452	*	
Oranges							*	*	
Papayas							13,977	64	
Pineapples							*	*	
Stimulant							122,423	8,919	
Chat							15,672	183	
Coffee							119,125	8,680	
Hops / 'Gesho'							9,505	56	
Enset							198,847	20,697	
Sugar cane							51,577	529	
Other permanent							32,135	100	

(Table 1.7.9 Cont'd.)

Keffa

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	14,197	2,025	2,001	88,903	23,928	*	*	17,906	3,023
Cereals	7,828	1,567	1,934	87,605	23,184	*	*	13,718	2,584
Teff	*	*	*	74,809	15,476	-	-	4,953	778
Barley	*	*	*	15,932	*	-	-	2,032	431
Wheat	6,953	1,338	1,713	17,625	*	*	*	7,012	1,231
Maize	-	-	-	*	*	-	-	*	*
Sorghum	-	-	-	3,084	492	-	-	-	-
Finger millet	-	-	-	*	*	-	-	-	-
Oats / 'Aja'	-	-	-	*	*	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	*	1,216	*	-	-	*	*
Horse / Faba beans	*	*	*	-	-	-	-	*	*
Field Peas	-	-	-	*	*	-	-	*	*
Haricot beans	-	-	-	*	*	-	-	-	-
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	*	*	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	*	*	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	-	-	-	*	*	-	-	-	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	*	*	-	-	-	-
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	-	-	-	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	-	*	*	*	*	*	*
Beetroot	-	-	-	-	-	*	*	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	*	*	-	-	-	*	*	*	*
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	*	*	*	*	*	*
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other Temporary	-	-	-	*	*	-	-	-	-
Permanent crops				*	*	-	-	-	-
Avocado				-	-	-	-	-	-
Bananas				*	*	-	-	-	-
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	-	-	-	-
Oranges				-	-	-	-	-	-
Papayas				-	-	-	-	-	-
Pineapples				-	-	-	-	-	-
Stimulant	7,134	*	-	*	*	*	*	*	*
Chat				-	-	-	-	-	-
Coffee	7,134	*	-	*	*	*	*	*	*
Hops / 'Geshe'				*	*	-	-	-	-
Enset				*	*	*	*		
Sugar cane				-	-	-	-	-	-
Other permanent				-	-	-	-	-	-

Table1.7.10 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Gamo Gofa

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	182,601	87,594	25,393	256,063	47,675	103,212	25,935	10,431
Cereals	122,822	57,821	22,761	134,192	21,443	92,582	22,623	8,211
Teff	39,394	17,058	6,517	10,882	*	37,081	8,417	2,600
Barley	21,725	13,984	2,173	68,979	8,197	30,650	4,215	1,449
Wheat	*	*	1,394	36,780	*	15,038	*	1,042
Maize	38,338	13,782	*	51,670	3,060	26,188	6,363	3,079
Sorghum	11,661	*	*	*	*	*	*	*
Finger millet	*	*	*	-	-	*	*	*
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	*	-	-	-	-	-	-	-
Pulses	13,235	4,948	1,656	65,396	2,195	25,914	*	1,469
Horse / Faba beans	2,499	916	*	21,894	626	4,789	*	*
Field Peas	*	199	-	10,158	199	-	-	-
Haricot beans	7,638	*	1,350	35,734	1,091	21,049	*	1,185
Chick peas	*	*	*	*	*	*	*	*
Lentils	44	*	*	*	*	*	*	*
Vetch / Grass peas	*	*	-	*	*	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	*	*	-	*	*	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	*	36	*	3,613	11	*	*	*
Neug	-	-	-	-	-	-	-	-
Linseed	124	31	*	*	*	*	*	*
Groundnuts	*	*	-	*	*	-	-	-
Safflower	*	*	-	*	*	-	-	-
Sesame	*	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-
Vegetables	609	507	*	63,895	438	*	*	*
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	*	-	-	-	-	-	-	-
Ethiopian cabbage	554	484	*	61,209	415	*	*	*
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	27	*	-	3,669	*	-	-	-
Red peppers	*	*	-	*	*	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
Root crops	13,367	6,804	263	152,401	6,431	12,688	369	251
Beetroot	*	*	-	*	*	-	-	-
Carrot	*	-	-	-	-	-	-	-
Onion	*	109	*	19,972	*	*	*	*
Potatoes	*	*	186	39,204	*	*	198	174
Garlic	*	*	-	*	*	-	-	-
Taro 'Godere'	2,518	1,328	*	64,690	1,327	*	*	*
Sweet potatoes	8,519	3,394	*	78,742	3,269	*	*	*
Other Temporary	6,160	2,781	*	111,719	2,676	*	*	*
Permanent crops	*	*	*	50,495	961	*	*	*
Avocado	*	*	-	4,579	*	-	-	-
Bananas	*	*	-	35,698	745	-	-	-
Guava	-	-	-	-	-	-	-	-
Lemons	*	*	*	*	*	-	-	-
Mangoes	*	*	-	13,335	*	-	-	-
Oranges	*	*	-	*	*	-	-	-
Papayas	108	42	-	10,296	28	-	-	-
Pineapples	*	*	-	*	*	-	-	-
Stimulant	3,485	1,774	*	98,357	1,760	*	*	*
Chat	*	*	-	*	*	-	-	-
Coffee	3,139	1,693	-	95,342	1,679	-	-	-
Hops / 'Geshe'	81	51	-	4,993	51	-	-	-
Enset	12,775	11,448	-	216,013	11,440	-	-	-
Sugar cane	597	224	-	25,243	220	-	-	-
Other permanent	576	158	-	18,074	100	-	-	-

(Table 1.7.10 cont'd.)

Gamo Gofa

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	3,209	506	*	45,496	13,478	*	329,824	171,552	46,491
Cereals	2,827	392	145	45,496	13,363	*	295,183	112,030	40,684
Teff	*	*	*	20,331	*	*	131,782	39,179	12,980
Barley	*	*	*	11,458	1,516	692	130,673	21,687	10,219
Wheat	-	-	-	*	*	*	63,323	*	*
Maize	*	*	*	12,222	4,249	*	133,475	28,616	8,426
Sorghum	-	-	-	*	*	*	47,962	11,661	1,534
Finger millet	-	-	-	-	-	-	*	*	*
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	*	*	*
Pulses	*	*	*	*	*	*	160,253	13,217	5,672
Horse / Faba beans	-	-	-	*	*	*	54,804	2,499	1,537
Field Peas	-	-	-	-	-	-	33,256	*	*
Haricot beans	*	*	*	*	*	*	106,463	7,619	2,797
Chick peas	-	-	-	-	-	-	*	*	*
Lentils	-	-	-	-	-	-	3,375	44	*
Vetch / Grass peas	-	-	-	-	-	-	*	*	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	*	*	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	16,143	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	12,227	124	*
Groundnuts	-	-	-	-	-	-	*	*	*
Safflower	-	-	-	-	-	-	*	*	*
Sesame	-	-	-	-	-	-	*	*	*
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	-	-	-	-	-	-	71,306	595	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	66,266	541	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	5,215	27	-
Red peppers	-	-	-	-	-	-	*	*	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	-	-	-	*	*	*	229,221	13,297	-
Beetroot	-	-	-	-	-	-	*	*	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	27,291	244	-
Potatoes	-	-	-	*	*	*	54,076	*	-
Garlic	-	-	-	-	-	-	*	*	-
Taro 'Godere'	-	-	-	-	-	-	99,925	2,507	-
Sweet potatoes	-	-	-	-	-	-	157,896	8,503	-
Other Temporary	-	-	-	*	*	*	165,566	6,121	-
Permanent crops							116,866	*	
Avocado							13,512	*	
Bananas							94,371	*	
Guava							-	-	
Lemons							6,258	*	
Mangoes							32,291	*	
Oranges							5,379	*	
Papayas							20,313	94	
Pineapples							*	*	
Stimulant							162,630	3,479	
Chat							11,581	*	
Coffee							155,342	3,133	
Hops / 'Geshe'							9,302	81	
Enset							254,576	12,731	
Sugar cane							43,316	597	
Other permanent							43,637	528	

(Table 1.7.10 Cont'd.)

Gamo Gofa

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	36,949	10,891	4,805	12,287	721	22,432	*	144,624	40,467
Cereals	33,027	10,785	4,802	3,614	365	*	*	136,751	36,907
Teff	*	*	*	-	-	*	*	53,073	14,304
Barley	*	*	*	*	*	*	*	42,259	5,929
Wheat	*	*	*	*	*	*	*	23,805	*
Maize	25,126	9,721	2,723	*	*	*	*	43,473	12,396
Sorghum	-	-	-	*	*	-	-	*	*
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	*	*	*	*	*	27,753	*
Horse / Faba beans	-	-	-	*	*	-	-	8,306	391
Field Peas	-	-	-	*	*	-	-	-	-
Haricot beans	*	*	*	*	*	*	*	19,786	*
Chick peas	-	-	-	-	-	-	-	*	*
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	*	*	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	*	*	*	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	*	*	-	-	-	-	-	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	-	-	-	-	*	*
Ethiopian cabbage	-	-	-	-	-	-	-	*	*
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	-	-	-	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	3,519	61	-	*	*	*	*	15,837	391
Beetroot	*	*	-	-	-	-	-	*	*
Carrot	*	*	-	-	-	-	-	-	-
Onion	*	*	-	*	*	*	*	*	*
Potatoes	*	*	-	-	-	-	-	9,957	160
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	*	*	-	-	-	*	*	*	*
Sweet potatoes	*	*	-	*	*	*	*	4,310	183
Other Temporary	*	*	-	-	-	*	*	2,438	*
Permanent crops				*	*	*	*	*	*
Avocado	-	-	-	-	-	*	*	-	-
Bananas	-	-	-	-	-	*	*	*	*
Guava	-	-	-	-	-	-	-	-	-
Lemons	-	-	-	-	-	*	*	-	-
Mangoes	-	-	-	-	-	*	*	-	-
Oranges	-	-	-	-	-	-	-	-	-
Papayas	-	-	-	*	*	*	*	-	-
Pineapples	-	-	-	-	-	-	-	-	-
Stimulant	-	-	-	*	*	*	*	3,190	27
Chat	-	-	-	-	-	-	-	-	-
Coffee	-	-	-	*	*	*	*	3,190	27
Hops / 'Geshe'	-	-	-	-	-	-	-	-	-
Enset	-	-	-	3,193	126	-	-	-	-
Sugar cane	-	-	-	*	*	*	*	*	*
Other permanent	-	-	-	*	*	*	*	1,561	*

Table1.7.11 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Benchi - Maji

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	65,483	5,264	2,808	44,188	2,107	5,989	1,075	807
Cereals	31,020	2,909	2,334	2,437	*	3,920	740	539
Teff	6,034	*	*	-	-	*	*	*
Barley	3,626	*	*	*	*	*	*	*
Wheat	1,219	445	505	-	-	*	*	*
Maize	6,406	645	443	*	*	*	*	*
Sorghum	11,995	*	*	*	*	*	*	*
Finger millet	*	-	-	-	-	-	-	-
Oats / 'Aja'	*	-	-	-	-	-	-	-
Rice	*	*	*	-	-	-	-	-
Pulses	7,578	474	364	1,935	*	*	*	*
Horse / Faba beans	3,970	*	*	-	-	*	*	*
Field Peas	1,674	-	-	-	-	-	-	-
Haricot beans	1,930	180	*	1,710	*	*	*	*
Chick peas	-	-	-	-	-	-	-	-
Lentils	*	-	-	-	-	-	-	-
Vetch / Grass peas	*	*	-	*	*	-	-	-
Soya beans	*	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	*	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-
Linseed	*	-	-	-	-	-	-	-
Groundnuts	*	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Rapeseed	*	-	-	-	-	-	-	-
Vegetables	1,018	101	*	15,413	87	*	*	*
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	*	*	-	-	-
Ethiopian cabbage	700	89	*	14,131	75	*	*	*
Tomatoes	*	-	-	-	-	-	-	-
Green peppers	*	7	-	*	7	-	-	-
Red peppers	*	*	-	*	*	-	-	-
Swiss chard	*	-	-	-	-	-	-	-
Root crops	5,254	449	*	23,161	442	-	-	-
Beetroot	-	-	-	-	-	-	-	-
Carrot	*	-	-	-	-	-	-	-
Onion	*	*	*	*	*	-	-	-
Potatoes	*	-	-	-	-	-	-	-
Garlic	*	*	-	*	*	-	-	-
Taro 'Godere'	5,021	437	-	22,948	437	-	-	-
Sweet potatoes	135	-	-	-	-	-	-	-
Other Temporary	1,367	*	-	3,830	*	-	-	-
Permanent crops	1,498	143	*	12,390	143	-	-	-
Avocado	*	*	-	*	*	-	-	-
Bananas	957	90	-	8,614	90	-	-	-
Guava	*	-	-	-	-	-	-	-
Lemons	*	-	-	-	-	-	-	-
Mangoes	227	*	-	*	*	-	-	-
Oranges	28	*	-	*	*	-	-	-
Papayas	144	*	-	3,274	*	-	-	-
Pineapples	*	-	-	-	-	-	-	-
Stimulant	14,242	583	*	20,905	582	-	-	-
Chat	786	*	-	*	*	-	-	-
Coffee	13,343	580	-	20,905	579	-	-	-
Hops / 'Geshe'	113	*	-	*	*	-	-	-
Enset	2,848	566	-	34,758	566	-	-	-
Sugar cane	629	*	-	3,463	*	-	-	-
Other permanent	17	*	-	870	*	-	-	-

(Table 1.7.11 cont'd.)

Benchi - Maji

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	2,101	341	197	*	*	1,804	159,287	64,156	24,242
Cereals	1,684	279	134	*	*	1,661	100,449	29,777	18,207
Teff	*	*	*	*	*	*	30,994	6,034	3,869
Barley	-	-	-	-	-	-	18,907	3,576	3,236
Wheat	-	-	-	1,738	349	442	*	*	*
Maize	*	*	*	*	*	*	39,925	5,694	2,154
Sorghum	*	*	*	*	*	*	47,054	11,959	6,646
Finger millet	-	-	-	-	-	-	*	*	*
Oats / 'Aja'	-	-	-	-	-	-	*	*	-
Rice	-	-	-	*	*	*	*	*	*
Pulses	*	*	*	*	*	*	61,086	7,578	6,013
Horse / Faba beans	*	*	*	-	-	-	21,520	3,970	3,958
Field Peas	-	-	-	-	-	-	12,055	1,674	829
Haricot beans	*	*	*	*	*	*	42,605	1,930	1,226
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	*	*	-
Vetch / Grass peas	-	-	-	-	-	-	*	*	-
Soya beans	-	-	-	-	-	-	*	*	*
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	1,498	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	*	*	*
Groundnuts	-	-	-	-	-	-	*	*	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	*	-	*
Rapeseed	-	-	-	-	-	-	*	*	*
Vegetables	-	-	-	*	*	*	92,439	1,011	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	1,763	*	-
Ethiopian cabbage	-	-	-	*	*	*	81,610	700	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	19,023	*	-
Red peppers	-	-	-	-	-	-	*	*	-
Swiss chard	-	-	-	-	-	-	*	*	-
Root crops	*	*	*	-	-	-	115,935	5,244	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	*	*	*	-	-	-	2,520	*	-
Potatoes	-	-	-	-	-	-	2,618	*	-
Garlic	-	-	-	-	-	-	1,152	*	-
Taro 'Godere'	-	-	-	-	-	-	111,544	5,021	-
Sweet potatoes	-	-	-	-	-	-	10,739	135	-
Other Temporary	-	-	-	-	-	-	66,640	1,367	-
Permanent crops							85,158	1,498	
Avocado							14,870	*	
Bananas							67,193	957	
Guava							*	*	
Lemons							*	*	
Mangoes							24,457	227	
Oranges							7,073	28	
Papayas							25,974	144	
Pineapples							1,004	*	
Stimulant							113,687	14,175	
Chat							22,118	786	
Coffee							109,358	13,276	
Hops / 'Gesho'							19,052	113	
Enset							112,899	2,848	
Sugar cane							35,754	629	
Other permanent							8,602	17	

(Table 1.7.11 Cont'd.)

Benchi - Maji

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	8,779	1,327	854	*	*	924	*	14,556	2,190
Cereals	6,438	1,243	854	*	*	*	*	9,198	1,622
Teff	-	-	-	*	*	-	-	1,901	*
Barley	*	*	*	*	*	-	-	*	*
Wheat	2,635	445	692	*	*	-	-	2,493	368
Maize	3,322	712	137	*	*	-	-	3,399	731
Sorghum	*	*	*	*	*	*	*	*	*
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	*	*	-	-	-	-
Pulses	*	*	-	-	-	-	-	3,631	466
Horse / Faba beans	-	-	-	-	-	-	-	1,517	*
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	*	*	-	-	-	-	-	2,114	113
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	1,227	*	-	-	-	-	-	1,767	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	1,227	*	-	-	-	-	-	*	*
Ethiopian cabbage	-	-	-	-	-	-	-	*	*
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	-	-	*	*
Red peppers	-	-	-	-	-	-	-	*	*
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	-	-	-	*	*	*	*
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	*	*	-	-	-	*	*	*	*
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	*	-	-	-	-	-	-	*	*
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other Temporary	-	-	-	-	-	-	-	834	*
Permanent crops				-	-	-	-	*	*
Avocado				-	-	-	-	-	-
Bananas				-	-	-	-	*	*
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	-	-	-	-
Oranges				-	-	-	-	-	-
Papayas				-	-	-	-	-	-
Pineapples				-	-	-	-	-	-
Stimulant	*	*	-	-	-	*	*	*	*
Chat				-	-	*	*	-	-
Coffee	*	*	-	-	-	-	-	*	*
Hops / 'Gesho'						-	-	-	-
Enset				*	*	-	-	-	-
Sugar cane				-	-	-	-	-	-
Other permanent				-	-	-	-	-	-

Table1.7.12 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Yem Special Wereda

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	25,307	14,821	10,226	17,900	3,510	14,522	7,740	5,978
Cereals	18,470	11,385	9,751	4,734	551	14,235	7,276	5,582
Teff	7,090	6,110	4,810	457	*	12,899	5,229	3,972
Barley	1,245	311	204	1,375	*	1,978	193	136
Wheat	4,699	2,412	2,129	*	*	5,207	1,559	1,235
Maize	3,649	2,471	2,606	3,493	235	1,536	296	239
Sorghum	1,764	*	-	677	*	-	-	-
Finger millet	*	-	-	-	-	-	-	-
Oats / 'Aja'	*	*	*	*	*	-	-	-
Rice	*	*	-	*	*	-	-	-
Pulses	3,333	1,193	307	5,757	782	1,754	404	304
Horse / Faba beans	1,947	672	*	4,986	591	*	*	*
Field Peas	1,294	457	266	1,514	132	1,072	*	*
Haricot beans	*	*	-	*	*	-	-	-
Chick peas	*	*	-	*	*	-	-	-
Lentils	80	57	*	1,157	*	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	*	*	*	-	-	*	*	*
Fenugreek	5	5	*	1,519	5	*	*	*
Gibto	-	-	-	-	-	-	-	-
Oilseeds	102	*	*	*	*	*	*	*
Neug	*	-	-	-	-	-	-	-
Linseed	78	*	*	*	*	*	*	*
Groundnuts	*	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	*	-	-	-	-	-	-	-
Rapeseed	*	-	-	-	-	-	-	-
Vegetables	128	109	-	13,657	109	-	-	-
Lettuce	*	*	-	*	*	-	-	-
Head cabbage	*	*	-	*	*	-	-	-
Ethiopian cabbage	122	106	-	13,561	106	-	-	-
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	3	*	-	780	*	-	-	-
Red peppers	*	*	-	*	*	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
Root crops	329	186	*	8,488	186	-	-	-
Beetroot	*	*	-	*	*	-	-	-
Carrot	*	*	-	*	*	-	-	-
Onion	*	*	-	*	*	-	-	-
Potatoes	-	-	-	-	-	-	-	-
Garlic	2	2	-	861	2	-	-	-
Taro 'Godere'	243	145	-	6,190	145	-	-	-
Sweet potatoes	80	36	*	2,941	36	-	-	-
Other Temporary	103	65	*	5,381	54	*	*	*
Permanent crops	65	27	*	4,343	27	*	*	*
Avocado	18	8	-	1,663	8	-	-	-
Bananas	35	16	-	2,726	16	-	-	-
Guava	1	*	-	*	*	-	-	-
Lemons	*	*	-	*	*	-	-	-
Mangoes	2	*	-	*	*	-	-	-
Oranges	*	*	-	*	*	-	-	-
Papayas	*	*	-	*	*	-	-	-
Pineapples	*	-	-	-	-	-	-	-
Stimulant	760	209	*	7,979	167	*	*	*
Chat	287	108	-	4,199	75	-	-	-
Coffee	460	96	-	5,624	89	-	-	-
Hops / 'Geshe'	13	*	-	690	*	-	-	-
Enset	1,836	1,558	-	16,383	1,557	-	-	-
Sugar cane	146	50	-	4,518	50	-	-	-
Other permanent	35	*	-	837	4	-	-	-

(Table 1.7.12 cont'd.)

Yem Special Wereda

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	*	*	*	7,335	3,550	4,236	19,956	22,932	20,116
Cereals	*	*	*	7,335	3,538	4,157	19,359	16,131	15,449
Teff	-	-	-	2,163	828	838	16,103	6,880	3,876
Barley	-	-	-	*	*	*	11,296	1,239	1,972
Wheat	*	*	*	1,874	717	882	14,232	4,451	7,951
Maize	-	-	-	5,592	1,941	2,368	11,824	1,774	1,215
Sorghum	-	-	-	-	-	-	8,858	1,764	420
Finger millet	-	-	-	-	-	-	*	*	*
Oats / 'Aja'	-	-	-	*	*	*	511	*	13
Rice	-	-	-	-	-	-	*	*	*
Pulses	-	-	-	*	*	*	14,597	3,333	4,643
Horse / Faba beans	-	-	-	-	-	-	12,292	1,947	2,675
Field Peas	-	-	-	*	*	*	7,073	1,294	1,921
Haricot beans	-	-	-	-	-	-	1,185	*	*
Chick peas	-	-	-	-	-	-	*	*	*
Lentils	-	-	-	*	*	*	1,984	80	34
Vetch / Grass peas	-	-	-	-	-	-	*	-	*
Soya beans	-	-	-	-	-	-	*	*	*
Fenugreek	-	-	-	-	-	-	1,749	5	4
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	*	*	*	1,514	102	24
Neug	-	-	-	-	-	-	*	*	*
Linseed	-	-	-	*	*	*	1,423	78	21
Groundnuts	-	-	-	-	-	-	*	*	*
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	*	*	*
Rapeseed	-	-	-	-	-	-	*	*	*
Vegetables	-	-	-	-	-	-	15,646	128	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	-	-	-	-	-	-	*	*	-
Ethiopian cabbage	-	-	-	-	-	-	15,416	122	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	1,143	3	-
Red peppers	-	-	-	-	-	-	*	*	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	-	-	-	*	*	*	10,288	328	-
Beetroot	-	-	-	-	-	-	318	*	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	-	-	-	-	-	-	*	*	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	948	2	-
Taro 'Godere'	-	-	-	-	-	-	7,577	243	-
Sweet potatoes	-	-	-	*	*	*	4,843	80	-
Other Temporary	-	-	-	-	-	-	6,394	97	-
Permanent crops							6,662	65	
Avocado							2,965	18	
Bananas							4,304	35	
Guava							366	1	
Lemons							*	*	
Mangoes							330	2	
Oranges							784	*	
Papayas							320	*	
Pineapples							*	*	
Stimulant							14,580	732	
Chat							8,931	260	
Coffee							12,158	459	
Hops / 'Gesho'							2,555	13	
Enset							19,213	1,836	
Sugar cane							8,199	146	
Other permanent							2,208	35	

(Table 1.7.12 Cont'd.)

Yem Special Wereda

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	6,099	2,334	930	11,560	6,691	326	*	6,498	3,101
Cereals	6,005	2,333	930	11,560	6,653	185	*	6,451	3,051
Teff	463	210	66	9,401	3,921	*	*	2,018	874
Barley	-	-	-	1,466	156	-	-	*	*
Wheat	681	248	511	7,114	2,384	*	*	1,294	463
Maize	5,411	1,875	352	*	*	*	*	4,774	1,664
Sorghum	-	-	-	*	*	-	-	-	-
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	*	*	-	-	*	*
Horse / Faba beans	-	-	-	*	*	-	-	-	-
Field Peas	-	-	-	-	-	-	-	*	*
Haricot beans	-	-	-	-	-	-	-	-	-
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	-	-	-	-	-	*	*	-	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	*	*	-	-
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	-	-	-	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	-	-	-	*	*	-	-	*	*
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	*	*	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	*	*
Other Temporary	-	-	-	*	*	-	-	-	-
Permanent crops	-	-	-	-	-	*	*	*	*
Avocado	-	-	-	-	-	-	-	*	*
Bananas	-	-	-	-	-	-	-	-	-
Guava	-	-	-	-	-	-	-	-	-
Lemons	-	-	-	-	-	-	-	-	-
Mangoes	-	-	-	-	-	-	-	*	*
Oranges	-	-	-	-	-	*	*	-	-
Papayas	-	-	-	-	-	-	-	-	-
Pineapples	-	-	-	-	-	-	-	-	-
Stimulant	*	*	-	*	*	*	*	189	*
Chat	-	-	-	*	*	*	*	*	*
Coffee	*	*	-	-	-	-	-	*	*
Hops / 'Geshe'	-	-	-	-	-	-	-	-	-
E Stimulant nset	-	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	*	*	-	-
Other permanent	-	-	-	*	*	-	-	-	-

Table1.7.13 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Amaro Special Wereda

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	17,519	9,135	2,003	38,742	6,405	3,510	887	487
Cereals	6,184	2,626	1,499	6,748	*	3,065	603	318
Teff	3,469	1,863	979	*	*	1,575	*	*
Barley	947	*	*	*	*	*	*	*
Wheat	*	*	*	*	*	*	*	*
Maize	1,175	337	321	3,699	88	*	*	*
Sorghum	*	*	*	*	*	-	-	-
Finger millet	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
Pulses	1,997	972	445	9,066	459	1,890	*	146
Horse / Faba beans	192	57	*	2,646	38	*	*	*
Field Peas	337	*	-	*	*	-	-	-
Haricot beans	1,378	*	425	5,867	374	*	*	*
Chick peas	-	-	-	-	-	-	-	-
Lentils	*	*	*	*	*	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	*	*	-	*	*	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	*	*	*	*	*	-	-	-
Neug	-	-	-	-	-	-	-	-
Linseed	*	*	*	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-
Safflower	*	*	-	*	*	-	-	-
Sesame	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-
Vegetables	169	138	*	10,496	133	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	*	-	-	-	-	-	-	-
Ethiopian cabbage	166	137	*	10,383	133	-	-	-
Tomatoes	*	-	-	-	-	-	-	-
Green peppers	*	*	-	*	*	-	-	-
Red peppers	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
Root crops	189	62	-	6,362	62	-	-	-
Beetroot	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	*	*	-	*	*	-	-	-
Potatoes	*	*	-	*	*	-	-	-
Garlic	*	*	-	*	*	-	-	-
Taro 'Godere'	*	*	-	*	*	-	-	-
Sweet potatoes	169	51	-	*	51	-	-	-
Other Temporary	1,289	360	*	14,340	343	*	*	*
Permanent crops	318	123	-	9,973	120	-	-	-
Avocado	45	24	-	2,827	24	-	-	-
Bananas	203	90	-	7,679	87	-	-	-
Guava	*	*	-	*	*	-	-	-
Lemons	*	*	-	*	*	-	-	-
Mangoes	*	*	-	613	*	-	-	-
Oranges	*	*	-	*	*	-	-	-
Papayas	*	*	-	*	*	-	-	-
Pineapples	-	-	-	-	-	-	-	-
Stimulant	2,994	1,462	-	21,996	1,460	-	-	-
Chat	*	*	-	1,173	*	-	-	-
Coffee	2,889	1,402	-	21,716	1,401	-	-	-
Hops / 'Geshe'	-	-	-	-	-	-	-	-
Enset	3,946	3,223	-	37,833	3,223	-	-	-
Sugar cane	421	166	-	7,872	166	-	-	-
Other permanent	*	*	-	442	*	-	-	-

(Table 1.7.13 cont'd.)

Amaro Special Wereda

[illegible]

(Table 1.7.13 Cont'd.)

Amaro Special Wereda

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	*	*	*	*	*	22,609	6,724	3,318	612
Cereals	*	*	*	*	*	11,708	2,274	*	*
Teff	-	-	-	*	*	7,767	*	*	*
Barley	-	-	-	*	*	*	*	*	*
Wheat	-	-	-	*	-	*	*	*	*
Maize	*	*	*	-	-	8,993	576	*	*
Sorghum	-	-	-	*	*	-	-	*	*
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	*	*	8,449	*	1,529	*
Horse / Faba beans	-	-	-	-	-	-	-	*	*
Field Peas	-	-	-	-	-	*	*	*	*
Haricot beans	-	-	-	*	*	8,223	*	*	*
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	*	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	*	*	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	-	-	-	-	-	3,031	*	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	3,031	*	*	*
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	*	*	-	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	-	-	-	-	-	*	53	*	*
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	*	*	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	*	53	*	*
Other Temporary	-	-	-	*	*	14,257	798	*	*
Permanent crops	-	-	-	-	-	13,334	264	*	*
Avocado	-	-	-	-	-	4,401	35	-	-
Bananas	-	-	-	-	-	11,090	170	*	*
Guava	-	-	-	-	-	*	*	-	-
Lemons	-	-	-	-	-	*	*	-	-
Mangoes	-	-	-	-	-	1,838	*	-	-
Oranges	-	-	-	-	-	*	*	-	-
Papayas	-	-	-	-	-	*	*	-	-
Pineapples	-	-	-	-	-	-	-	-	-
Stimulant	*	*	-	-	-	17,319	1,575	551	*
Chat	-	-	-	-	-	2,186	*	*	*
Coffee	*	*	-	-	-	17,206	1,517	*	*
Hops / 'Geshe'	-	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	20,745	1,054	-	-
Sugar cane	-	-	-	-	-	8,088	*	-	-
Other permanent	-	-	-	-	-	*	*	-	-

Table1.7.14 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Burji Special Wereda

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	7,736	2,406	1,019	5,716	892	2,016	1,284	798
Cereals	4,067	975	534	2,425	330	1,379	457	367
Teff	1,866	556	310	317	*	820	259	183
Barley	148	17	6	188	*	200	7	6
Wheat	352	*	73	*	*	401	*	71
Maize	1,339	187	145	2,033	105	572	71	108
Sorghum	361	*	-	*	*	-	-	-
Finger millet	*	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
Pulses	3,089	996	451	1,709	136	1,392	822	416
Horse / Faba beans	16	*	*	*	*	*	*	*
Field Peas	*	*	*	*	*	*	*	*
Haricot beans	2,933	980	447	1,564	131	1,320	814	412
Chick peas	89	*	*	-	-	*	*	*
Lentils	11	*	*	-	-	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	*	-	-	-	-	-	-	-
Fenugreek	*	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	*	*	-	*	*	-	-	-
Neug	-	-	-	-	-	-	-	-
Linseed	*	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	*	*	-	*	*	-	-	-
Rapeseed	*	-	-	-	-	-	-	-
Vegetables	16	11	*	1,889	11	*	*	*
Lettuce	*	-	-	-	-	-	-	-
Head cabbage	*	*	-	*	*	-	-	-
Ethiopian cabbage	15	11	*	1,599	11	*	*	*
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	1	*	-	319	*	-	-	-
Red peppers	*	*	-	*	*	-	-	-
Swiss chard	*	*	-	*	*	-	-	-
Root crops	16	7	*	617	6	*	*	*
Beetroot	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	1	*	-	*	*	-	-	-
Potatoes	10	*	*	*	*	*	*	*
Garlic	-	-	-	-	-	-	-	-
Taro 'Godere'	*	*	-	*	*	-	-	-
Sweet potatoes	4	2	-	228	2	-	-	-
Other Temporary	69	49	*	2,036	49	*	*	*
Permanent crops	50	*	*	1,780	*	*	*	*
Avocado	8	7	-	*	7	-	-	-
Bananas	28	*	-	1,431	*	-	-	-
Guava	1	*	-	*	*	-	-	-
Lemons	*	-	-	-	-	-	-	-
Mangoes	*	*	-	*	*	-	-	-
Oranges	*	*	-	*	*	-	-	-
Papayas	5	*	-	257	*	-	-	-
Pineapples	-	-	-	-	-	-	-	-
Stimulant	83	47	*	2,160	44	*	*	*
Chat	*	*	-	*	*	-	-	-
Coffee	77	46	-	2,085	42	-	-	-
Hops / 'Geshe'	*	-	-	-	-	-	-	-
Enset	289	277	-	3,233	273	-	-	-
Sugar cane	19	*	-	766	*	-	-	-
Other permanent	*	*	-	*	*	-	-	-

(Table 1.7.14 cont'd.)

Burji Special Wereda

[illegible]

(Table 1.7.14 Cont'd.)

Burji Special Wereda

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	201	*	*	884	518	1,020	*	737	467
Cereals	*	*	*	752	409	*	*	661	*
Teff	-	-	-	723	409	*	*	460	*
Barley	-	-	-	-	-	-	-	-	-
Wheat	*	*	*	-	-	-	-	*	*
Maize	-	-	-	*	-	*	*	199	*
Sorghum	-	-	-	-	-	*	*	*	*
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	-	-	*	*	*	*	248	*
Horse / Faba beans	-	-	-	-	-	-	-	*	*
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	*	-	-	*	*	*	*	198	*
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	*	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	*	*	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	*	*	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	-	-	-	-	-	-	-	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	*	*
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	-	-	-	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	-	-	-	-	-	*	*	-	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	*	*	-	-
Sweet potatoes	-	-	-	-	-	*	*	-	-
Other Temporary	-	-	-	-	-	*	*	*	*
Permanent crops	-	-	-	-	-	*	*	*	*
Avocado	-	-	-	-	-	*	*	*	*
Bananas	-	-	-	-	-	*	*	-	-
Guava	-	-	-	-	-	-	-	-	-
Lemons	-	-	-	-	-	-	-	-	-
Mangoes	-	-	-	-	-	*	*	-	-
Oranges	-	-	-	-	-	*	*	-	-
Papayas	-	-	-	-	-	*	*	-	-
Pineapples	-	-	-	-	-	-	-	-	-
Stimulant	*	*	-	-	-	*	*	*	*
Chat	-	-	-	-	-	*	*	*	-
Coffee	*	*	-	-	-	*	*	*	*
Hops / 'Geshe'	-	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	*	*	-	-
Sugar cane	-	-	-	-	-	*	*	*	*
Other permanent	-	-	-	*	*	-	-	*	*

Table1.7.15 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Konso Special Wereda

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	31,517	12,341	*	31,801	10,730	2,595	*	*
Cereals	24,593	9,081	*	29,007	7,492	2,595	*	*
Teff	4,925	2,556	*	5,403	1,145	*	*	*
Barley	*	*	-	*	*	-	-	-
Wheat	*	-	-	*	-	-	-	-
Maize	10,598	1,966	*	17,225	1,830	*	*	*
Sorghum	8,998	4,535	*	23,920	4,494	*	*	*
Finger millet	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	*	*	*	*	*	*	*	*
Pulses	3,360	1,025	*	12,144	1,008	*	*	*
Horse / Faba beans	-	-	-	-	-	-	-	-
Field Peas	*	*	-	*	*	-	-	-
Haricot beans	3,301	991	*	11,900	974	*	*	*
Chick peas	*	*	-	*	*	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch / Grass peas	*	*	-	*	*	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	*	*	-	*	*	-	-	-
Neug	-	-	-	-	-	-	-	-
Linseed	*	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-
Safflower	*	*	-	*	*	-	-	-
Sesame	*	*	-	*	*	-	-	-
Rapeseed	-	-	-	-	-	-	-	-
Vegetables	*	*	-	*	*	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	*	*	-	-	-
Ethiopian cabbage	*	*	-	*	*	-	-	-
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	-	-	-	-	-	-	-	-
Red peppers	*	*	-	*	*	-	-	-
Swiss chard	*	*	-	*	*	-	-	-
Root crops	50	32	-	3,352	32	-	-	-
Beetroot	*	*	-	*	*	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	*	*	-	*	*	-	-	-
Potatoes	*	*	-	*	*	-	-	-
Garlic	-	-	-	-	-	-	-	-
Taro 'Godere'	*	-	-	-	-	-	-	-
Sweet potatoes	25	16	-	2,656	16	-	-	-
Other Temporary	2,024	1,283	-	16,036	1,283	-	-	-
Permanent crops	200	66	-	6,728	66	-	-	-
Avocado	*	-	-	-	-	-	-	-
Bananas	115	*	-	4,541	*	-	-	-
Guava	*	*	-	*	*	-	-	-
Lemons	*	-	-	-	-	-	-	-
Mangoes	*	*	-	1,148	*	-	-	-
Oranges	*	-	-	-	-	-	-	-
Papayas	16	*	-	2,341	*	-	-	-
Pineapples	-	-	-	-	-	-	-	-
Stimulant	640	396	-	10,496	396	-	-	-
Chat	*	*	-	*	*	-	-	-
Coffee	505	319	-	9,485	319	-	-	-
Hops / 'Geshe'	*	*	-	*	*	-	-	-
Enset	-	-	-	-	-	-	-	-
Sugar cane	*	*	-	*	*	-	-	-
Other permanent	587	*	-	11,351	*	-	-	-

(Table 1.7.15 cont'd.)

Konso Special Wereda

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	*	*	*	*	*	*	50,501	31,300	6,619
Cereals	*	*	*	*	*	*	49,158	24,389	5,788
Teff	*	*	*	*	*	*	12,271	4,925	*
Barley	-	-	-	-	-	-	*	*	*
Wheat	-	-	-	-	-	-	*	*	*
Maize	-	-	-	*	*	*	33,447	10,394	3,598
Sorghum	-	-	-	-	-	-	35,177	8,998	184
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	*	*	-
Pulses	-	-	-	-	-	-	22,032	3,360	830
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	*	*	-
Haricot beans	-	-	-	-	-	-	21,789	3,301	823
Chick peas	-	-	-	-	-	-	*	*	*
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	*	*	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	*	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	*	*	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	*	*	*
Sesame	-	-	-	-	-	-	*	*	*
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	-	-	-	-	-	-	1,769	*	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	*	*	-
Ethiopian cabbage	-	-	-	-	-	-	*	*	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	-	-	-
Red peppers	-	-	-	-	-	-	*	*	-
Swiss chard	-	-	-	-	-	-	*	*	-
Root crops	-	-	-	-	-	-	5,847	49	-
Beetroot	-	-	-	-	-	-	*	*	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	*	*	-
Potatoes	-	-	-	-	-	-	*	*	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	*	*	-
Sweet potatoes	-	-	-	-	-	-	4,019	25	-
Other Temporary	-	-	-	-	-	-	22,842	2,020	-
Permanent crops							13,186	200	
Avocado							*	*	
Bananas							7,420	115	
Guava							*	*	
Lemons							*	*	
Mangoes							2,824	*	
Oranges							*	*	
Papayas							5,888	16	
Pineapples							-	-	
Stimulant							16,912	639	
Chat							*	*	
Coffee							15,530	505	
Hops / 'Geshe'							3,246	*	
Enset							-	-	
Sugar cane							1,642	*	
Other permanent							19,917	579	

(Table 1.7.15 Cont'd.)

Konso Special Wereda

	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
Crop type	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	*	*	*	627	*	*	*	3,950	*
Cereals	*	*	*	*	*	*	*	3,893	*
Teff	-	-	-	*	*	-	-	*	*
Barley	-	-	-	*	*	-	-	-	-
Wheat	-	-	-	-	-	-	-	-	-
Maize	*	*	*	*	*	*	*	2,200	*
Sorghum	-	-	-	-	-	*	*	*	*
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	-	-	*	*	*	*
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	*	*	*	*
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	-	-	-	-	-	*	*	-	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	-	-	-	-	-	*	*	-	-
Green peppers	-	-	-	-	-	-	-	-	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	-	-	-	-	-	*	*	-	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	*	*	-	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	*	*	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other Temporary	*	*	-	*	*	*	*	*	*
Permanent crops						*	*	*	*
Avocado				-	-	-	-	-	-
Bananas				-	-	*	*	-	-
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	*	*	*	*
Oranges				-	-	-	-	-	-
Papayas				-	-	*	*	-	-
Pineapples				-	-	-	-	-	-
Stimulant	-	-	-	-	-	*	*	-	-
Chat				-	-	-	-	-	-
Coffee	-	-	-	-	-	*	*	-	-
Hops / 'Gesho'				-	-	-	-	-	-
Enset				-	-	-	-	-	-
Sugar cane				-	-	*	*	-	-
Other permanent				-	-	-	-	*	*

Table1.7.16 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Derashe Special Wereda

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	20,324	1,321	*	10,811	1,004	*	*	*
Cereals	17,780	723	*	3,769	406	*	*	*
Teff	1,653	359	*	687	131	*	*	*
Barley	1,187	*	-	*	*	-	-	-
Wheat	*	-	-	-	-	-	-	-
Maize	7,681	277	*	2,991	188	*	*	*
Sorghum	6,812	*	-	984	*	-	-	-
Finger millet	*	*	-	*	*	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
Pulses	1,509	*	-	2,034	*	-	-	-
Horse / Faba beans	*	*	-	*	*	-	-	-
Field Peas	82	*	-	*	*	-	-	-
Haricot beans	890	75	-	1,775	75	-	-	-
Chick peas	*	*	-	*	*	-	-	-
Lentils	*	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Gibto	*	-	-	-	-	-	-	-
Oilseeds	10	*	-	*	*	-	-	-
Neug	-	-	-	-	-	-	-	-
Linseed	*	*	-	*	*	-	-	-
Groundnuts	-	-	-	-	-	-	-	-
Safflower	*	*	-	*	*	-	-	-
Sesame	*	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-
Vegetables	69	39	-	4,542	39	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	*	*	-	-	-
Ethiopian cabbage	57	38	-	4,285	38	-	-	-
Tomatoes	*	-	-	-	-	-	-	-
Green peppers	*	*	-	*	*	-	-	-
Red peppers	*	*	-	*	*	-	-	-
Swiss chard	*	*	-	*	*	-	-	-
Root crops	51	23	-	2,612	23	-	-	-
Beetroot	*	*	-	*	*	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	2	*	-	*	*	-	-	-
Potatoes	11	*	-	587	*	-	-	-
Garlic	*	*	-	*	*	-	-	-
Taro 'Godere'	18	*	-	1,214	*	-	-	-
Sweet potatoes	19	*	-	*	*	-	-	-
Other Temporary	142	22	-	1,885	22	-	-	-
Permanent crops	58	*	-	*	*	-	-	-
Avocado	*	*	-	*	*	-	-	-
Bananas	50	*	-	*	*	-	-	-
Guava	*	*	-	*	*	-	-	-
Lemons	*	-	-	-	-	-	-	-
Mangoes	*	-	-	-	-	-	-	-
Oranges	-	-	-	-	-	-	-	-
Papayas	*	-	-	-	-	-	-	-
Pineapples	-	-	-	-	-	-	-	-
Stimulant	179	50	-	4,233	50	-	-	-
Chat	38	*	-	*	*	-	-	-
Coffee	124	43	-	3,962	43	-	-	-
Hops / 'Geshe'	17	*	-	*	*	-	-	-
Enset	*	*	-	6,882	*	-	-	-
Sugar cane	13	*	-	533	*	-	-	-
Other permanent	*	*	-	*	*	-	-	-

(Table 1.7.16 cont'd.)

Derashe Special Wereda

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	-	-	-	*	*	*	26,906	20,196	3,320
Cereals	-	-	-	*	*	*	25,857	17,662	2,872
Teff	-	-	-	*	*	*	7,653	1,653	517
Barley	-	-	-	-	-	-	5,908	1,187	281
Wheat	-	-	-	-	-	-	2,823	*	*
Maize	-	-	-	-	-	-	19,881	7,564	1,656
Sorghum	-	-	-	-	-	-	14,358	6,812	190
Finger millet	-	-	-	-	-	-	*	*	*
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	-	-	-	11,728	1,509	445
Horse / Faba beans	-	-	-	-	-	-	1,720	*	*
Field Peas	-	-	-	-	-	-	1,560	82	*
Haricot beans	-	-	-	-	-	-	9,256	890	291
Chick peas	-	-	-	-	-	-	*	*	*
Lentils	-	-	-	-	-	-	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	*	*	*
Oilseeds	-	-	-	-	-	-	*	10	2
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	*	*	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	*	*	*
Sesame	-	-	-	-	-	-	*	*	*
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	-	-	-	-	-	-	7,317	68	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	*	*	-
Ethiopian cabbage	-	-	-	-	-	-	6,695	57	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	*	*	-
Red peppers	-	-	-	-	-	-	*	*	-
Swiss chard	-	-	-	-	-	-	*	*	-
Root crops	-	-	-	-	-	-	6,329	51	-
Beetroot	-	-	-	-	-	-	*	*	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	910	2	-
Potatoes	-	-	-	-	-	-	1,418	11	-
Garlic	-	-	-	-	-	-	*	*	-
Taro 'Godere'	-	-	-	-	-	-	2,461	18	-
Sweet potatoes	-	-	-	-	-	-	2,353	19	-
Other Temporary	-	-	-	-	-	-	6,738	134	-
Permanent crops							3,098	58	
Avocado							*	*	
Bananas							2,313	50	
Guava							*	*	
Lemons							*	*	
Mangoes							*	*	
Oranges							-	-	
Papayas							*	*	
Pineapples							-	-	
Stimulant							9,777	179	
Chat							2,768	38	
Coffee							8,403	124	
Hops / 'Geshe'							1,632	17	
Enset							8,547	*	
Sugar cane							1,612	13	
Other permanent							3,041	*	

(Table 1.7.16 Cont'd.)

Derashe Special Wereda

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	*	*	*	1,008	238	462	*	820	*
Cereals	*	*	*	595	236	*	*	*	*
Teff	-	-	-	*	*	-	-	*	*
Barley	-	-	-	-	-	*	*	*	*
Wheat	-	-	-	-	-	-	-	-	-
Maize	*	*	*	*	*	*	*	*	*
Sorghum	-	-	-	*	*	*	*	-	-
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	-	-	*	*	*	*
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	*	*	*	*
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	*	*	-	-	-	-	-	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	-	-	-	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	*	*	-	-	-	-	-	*	*
Root crops	*	*	-	-	-	-	-	*	*
Beetroot	*	*	-	-	-	-	-	*	*
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	*	*
Other Temporary	-	-	-	*	*	-	-	*	*
Permanent crops	-	-	-	-	-	*	*	-	-
Avocado	-	-	-	-	-	-	-	-	-
Bananas	-	-	-	-	-	*	*	-	-
Guava	-	-	-	-	-	-	-	-	-
Lemons	-	-	-	-	-	-	-	-	-
Mangoes	-	-	-	-	-	-	-	-	-
Oranges	-	-	-	-	-	-	-	-	-
Papayas	-	-	-	-	-	-	-	-	-
Pineapples	-	-	-	-	-	-	-	-	-
Stimulant	-	-	-	*	*	-	-	*	*
Chat	-	-	-	*	*	-	-	-	-
Coffee	-	-	-	-	-	-	-	*	*
Hops / 'Geshe'	-	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	*	*	-	-
Sugar cane	-	-	-	-	-	-	-	-	-
Other permanent	-	-	-	-	-	*	*	-	-

Table1.7.17 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Dawro

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	53,736	23,731	8,962	73,605	12,015	23,951	8,446	5,874
Cereals	25,516	11,549	8,152	4,217	866	22,886	7,601	5,227
Teff	15,907	8,393	5,768	948	*	19,950	5,976	3,773
Barley	876	125	*	*	*	*	*	*
Wheat	2,719	1,575	1,401	*	*	3,301	765	637
Maize	3,122	1,128	882	1,453	*	2,809	793	755
Sorghum	2,858	*	*	1,671	*	-	-	-
Finger millet	-	-	-	-	-	-	-	-
Oats / 'Aja'	*	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
Pulses	12,913	2,512	708	8,418	*	2,367	830	568
Horse / Faba beans	6,023	1,318	455	3,018	*	1,939	588	370
Field Peas	5,097	*	91	*	*	*	*	77
Haricot beans	1,517	*	*	*	*	*	*	*
Chick peas	*	*	*	*	*	*	*	*
Lentils	*	*	-	*	*	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	*	*	-	*	*	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	*	19	*	*	*	*	*	*
Neug	*	*	-	*	*	-	-	-
Linseed	73	18	*	*	9	*	*	*
Groundnuts	*	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	*	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-
Vegetables	244	223	-	29,745	223	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-
Ethiopian cabbage	233	214	-	28,745	214	-	-	-
Tomatoes	-	-	-	-	-	-	-	-
Green peppers	*	*	-	1,256	*	-	-	-
Red peppers	4	3	-	1,375	3	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
Root crops	4,476	1,780	-	42,436	1,780	-	-	-
Beetroot	*	*	-	*	*	-	-	-
Carrot	*	*	-	*	*	-	-	-
Onion	*	*	-	*	*	-	-	-
Potatoes	*	*	-	*	*	-	-	-
Garlic	*	*	-	638	*	-	-	-
Taro 'Godere'	3,958	1,628	-	39,205	1,628	-	-	-
Sweet potatoes	503	141	-	8,026	141	-	-	-
Other Temporary	804	384	-	17,323	384	-	-	-
Permanent crops	617	249	-	24,239	249	-	-	-
Avocado	83	63	-	10,317	63	-	-	-
Bananas	468	141	-	16,195	141	-	-	-
Guava	1	*	-	*	*	-	-	-
Lemons	*	*	-	*	*	-	-	-
Mangoes	30	14	-	3,209	14	-	-	-
Oranges	*	*	-	*	*	-	-	-
Papayas	28	26	-	5,120	26	-	-	-
Pineapples	-	-	-	-	-	-	-	-
Stimulant	1,858	608	-	30,640	605	-	-	-
Chat	5	*	-	915	*	-	-	-
Coffee	1,818	594	-	30,300	591	-	-	-
Hops / 'Geshe'	36	*	-	1,119	*	-	-	-
Enset	7,005	6,345	-	69,578	6,340	-	-	-
Sugar cane	110	57	-	8,380	57	-	-	-
Other permanent	*	4	-	1,266	4	-	-	-

(Table 1.7.17 cont'd.)

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Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	949	202	75	9,014	3,068	3,012	81,400	52,271	22,174
Cereals	949	202	75	8,584	2,880	2,849	57,183	24,170	12,113
Teff	652	*	*	6,983	2,140	1,956	47,255	15,450	6,600
Barley	-	-	-	*	*	*	8,035	876	1,055
Wheat	*	*	*	2,325	*	*	11,860	2,171	2,386
Maize	-	-	-	*	*	*	8,421	2,781	1,168
Sorghum	-	-	-	*	*	*	17,302	2,858	852
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	*	*	*
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	*	*	*	44,807	12,808	9,989
Horse / Faba beans	-	-	-	*	*	*	27,902	6,006	5,117
Field Peas	-	-	-	*	*	*	17,758	5,097	3,939
Haricot beans	-	-	-	*	*	*	12,758	1,508	838
Chick peas	-	-	-	-	-	-	*	*	*
Lentils	-	-	-	-	-	-	2,441	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	*	*	*
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	6,132	*	*
Neug	-	-	-	-	-	-	*	*	*
Linseed	-	-	-	-	-	-	5,894	73	32
Groundnuts	-	-	-	-	-	-	*	*	*
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	*	*	*
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	-	-	-	-	-	-	33,582	244	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	32,320	233	-
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	-	1,527	*	-
Red peppers	-	-	-	-	-	-	1,766	4	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	-	-	-	-	-	-	64,807	4,476	-
Beetroot	-	-	-	-	-	-	*	*	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	-	-	-	-	-	-	*	*	-
Potatoes	-	-	-	-	-	-	*	*	-
Garlic	-	-	-	-	-	-	748	*	-
Taro 'Godere'	-	-	-	-	-	-	60,824	3,958	-
Sweet potatoes	-	-	-	-	-	-	16,161	503	-
Other Temporary	-	-	-	-	-	-	24,987	803	-
Permanent crops							36,905	614	
Avocado							14,011	83	
Bananas							31,175	465	
Guava							657	1	
Lemons							641	*	
Mangoes							5,367	30	
Oranges							*	*	
Papayas							5,362	28	
Pineapples							-	-	
Stimulant							44,930	1,848	
Chat							1,556	5	
Coffee							43,745	1,808	
Hops / 'Gesho'							4,928	36	
Enset							76,863	7,005	
Sugar cane							12,875	110	
Other permanent							2,869	*	

(Table 1.7.17 Contd.)

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[illegible]

Table1.7.18 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Basketo Special Wereda

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	6,512	2,629	949	12,834	1,828	678	191	105
Cereals	3,208	1,117	712	5,212	377	632	180	75
Teff	993	249	*	1,112	194	*	*	*
Barley	116	*	-	*	*	-	-	-
Wheat	*	*	*	-	-	-	-	-
Maize	1,617	759	605	4,015	117	588	*	61
Sorghum	414	72	*	1,205	45	*	*	*
Finger millet	*	*	-	*	*	-	-	-
Oats / 'Aja'	*	*	-	*	*	-	-	-
Rice	-	-	-	-	-	-	-	-
Pulses	333	110	*	3,147	64	180	*	25
Horse / Faba beans	5	*	-	*	*	-	-	-
Field Peas	61	25	*	1,124	24	-	-	-
Haricot beans	212	81	*	2,427	37	180	*	25
Chick peas	*	*	-	*	*	-	-	-
Lentils	*	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	*	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	105	*	*	224	*	-	-	-
Neug	-	-	-	-	-	-	-	-
Linseed	*	-	-	-	-	-	-	-
Groundnuts	*	*	-	*	*	-	-	-
Safflower	3	*	-	*	*	-	-	-
Sesame	*	*	*	*	*	-	-	-
Rapeseed	-	-	-	-	-	-	-	-
Vegetables	33	12	*	1,363	12	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	267	*	-	-	-
Ethiopian cabbage	6	2	*	780	2	-	-	-
Tomatoes	*	-	-	-	-	-	-	-
Green peppers	*	-	-	-	-	-	-	-
Red peppers	8	*	-	359	*	-	-	-
Swiss chard	*	*	-	*	*	-	-	-
Root crops	633	160	-	7,216	160	-	-	-
Beetroot	*	*	-	*	*	-	-	-
Carrot	*	-	-	-	-	-	-	-
Onion	4	2	-	420	2	-	-	-
Potatoes	5	*	-	350	*	-	-	-
Garlic	*	-	-	-	-	-	-	-
Taro 'Godere'	171	75	-	5,181	75	-	-	-
Sweet potatoes	446	79	-	3,457	79	-	-	-
Other Temporary	404	109	-	6,605	109	-	-	-
Permanent crops	189	66	-	5,262	64	-	-	-
Avocado	45	22	-	2,485	22	-	-	-
Bananas	124	33	-	3,264	32	-	-	-
Guava	*	-	-	-	-	-	-	-
Lemons	*	-	-	-	-	-	-	-
Mangoes	13	8	-	993	8	-	-	-
Oranges	*	*	-	*	*	-	-	-
Papayas	*	*	-	*	*	-	-	-
Pineapples	*	*	-	*	*	-	-	-
Stimulant	655	402	-	10,755	402	-	-	-
Chat	*	*	-	*	*	-	-	-
Coffee	643	400	-	10,755	400	-	-	-
Hops / 'Geshe'	*	*	-	*	*	-	-	-
Enset	835	579	-	11,590	577	-	-	-
Sugar cane	102	62	-	3,598	62	-	-	-
Other permanent	*	*	-	225	*	-	-	-

(Table 1.7.18 cont'd.)

Basketo Special Wereda

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	*	*	*	1,767	591	841	18,722	5,834	1,144
Cereals	*	*	*	1,724	542	634	13,627	2,533	1,033
Teff	-	-	-	*	*	*	6,376	993	607
Barley	-	-	-	-	-	-	921	116	*
Wheat	-	-	-	*	*	*	*	*	*
Maize	*	*	*	1,503	485	541	9,661	964	245
Sorghum	-	-	-	*	*	*	4,078	414	70
Finger millet	-	-	-	-	-	-	*	*	*
Oats / 'Aja'	-	-	-	-	-	-	*	*	*
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	461	*	*	7,657	333	98
Horse / Faba beans	-	-	-	-	-	-	487	5	3
Field Peas	-	-	-	*	*	*	2,094	61	25
Haricot beans	-	-	-	*	*	*	6,415	212	64
Chick peas	-	-	-	-	-	-	*	*	*
Lentils	-	-	-	-	-	-	*	*	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	*	*	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	*	*	*	1,320	105	14
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	356	*	*
Groundnuts	-	-	-	-	-	-	*	*	*
Safflower	-	-	-	-	-	-	229	3	*
Sesame	-	-	-	*	*	*	*	*	*
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	-	-	-	*	*	*	2,546	33	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	*	*	-	451	*	-
Ethiopian cabbage	-	-	-	*	*	*	1,417	6	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	*	*	-
Red peppers	-	-	-	-	-	-	537	8	-
Swiss chard	-	-	-	-	-	-	*	*	-
Root crops	-	-	-	-	-	-	14,440	633	-
Beetroot	-	-	-	-	-	-	755	*	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	-	-	-	-	-	-	956	4	-
Potatoes	-	-	-	-	-	-	612	5	-
Garlic	-	-	-	-	-	-	*	*	-
Taro 'Godere'	-	-	-	-	-	-	8,948	171	-
Sweet potatoes	-	-	-	-	-	-	9,892	446	-
Other Temporary	-	-	-	-	-	-	13,436	401	-
Permanent crops							10,903	189	
Avocado							4,761	45	
Bananas							7,569	124	
Guava							*	*	
Lemons							*	*	
Mangoes							2,362	13	
Oranges							*	*	
Papayas							*	*	
Pineapples							*	*	
Stimulant							15,563	655	
Chat							*	*	
Coffee							15,563	643	
Hops / 'Gesho'							458	*	
Enset							15,801	834	
Sugar cane							5,917	102	
Other permanent							1,022	*	

(Table 1.7.18 Cont'd.)

Basketo Special Wereda

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	2,238	676	153	*	*	*	*	2,591	799
Cereals	2,103	674	153	*	*	*	*	2,366	730
Teff	-	-	-	-	-	-	-	*	*
Barley	-	-	-	-	-	*	*	*	*
Wheat	*	*	*	-	-	-	-	*	*
Maize	2,009	652	138	*	*	*	*	2,056	631
Sorghum	-	-	-	-	-	*	*	*	*
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	*	*	*	*	691	*
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	*	*
Haricot beans	-	-	-	*	*	*	*	647	*
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	*	*	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	*	*	*	*
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	*	*	-	-	-	*	*	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	-	-	*	*	*	*
Ethiopian cabbage	-	-	-	-	-	-	-	*	*
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	*	*	-	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	-	*	*	*	*	*	*
Beetroot	*	*	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	*	*	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	*	*	-	-	*	*
Sweet potatoes	-	-	-	-	-	*	*	*	*
Other Temporary	*	*	-	-	-	*	*	*	*
Permanent crops	-	-	-	-	-	*	*	*	*
Avocado	-	-	-	-	-	-	-	-	-
Bananas	-	-	-	-	-	*	*	*	*
Guava	-	-	-	-	-	-	-	-	-
Lemons	-	-	-	-	-	-	-	-	-
Mangoes	-	-	-	-	-	-	-	-	-
Oranges	-	-	-	-	-	-	-	-	-
Papayas	-	-	-	-	-	*	*	*	*
Pineapples	-	-	-	-	-	-	-	-	-
Stimulant	-	-	-	*	*	-	-	*	*
Chat	-	-	-	-	-	-	-	-	-
Coffee	-	-	-	*	*	-	-	*	*
Hops / 'Gesho'	-	-	-	*	*	-	-	-	-
Enset	-	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	-	-	-	-
Other permanent	-	-	-	-	-	*	*	*	*

Table1.7.19 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Konta Special Wereda

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	17,726	4,825	2,407	19,693	1,818	1,981	470	*
Cereals	8,389	2,891	2,113	*	*	943	129	*
Teff	5,305	2,202	1,581	429	*	*	*	*
Barley	*	*	*	-	-	*	*	*
Wheat	665	434	503	-	-	*	*	*
Maize	*	*	-	*	*	-	-	-
Sorghum	1,521	*	-	*	*	-	-	-
Finger millet	*	-	-	-	-	-	-	-
Oats / 'Aja'	*	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
Pulses	4,656	456	*	*	56	*	*	*
Horse / Faba beans	3,226	*	*	*	*	*	*	*
Field Peas	1,061	*	-	*	*	-	-	-
Haricot beans	366	*	*	*	*	-	-	-
Chick peas	-	-	-	-	-	-	-	-
Lentils	*	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	*	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-
Linseed	*	-	-	-	-	-	-	-
Groundnuts	*	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-
Vegetables	31	5	-	1,838	5	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	*	-	-	-	-	-	-	-
Ethiopian cabbage	20	5	-	1,584	5	-	-	-
Tomatoes	-	-	-	-	-	-	-	-
Green peppers	*	*	-	*	*	-	-	-
Red peppers	*	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
Root crops	2,169	572	*	10,051	564	*	*	*
Beetroot	*	-	-	-	-	-	-	-
Carrot	*	-	-	-	-	-	-	-
Onion	11	*	*	*	*	-	-	-
Potatoes	*	*	*	-	-	*	*	*
Garlic	*	*	-	*	*	-	-	-
Taro 'Godere'	2,018	548	-	9,551	548	-	-	-
Sweet potatoes	97	*	-	*	*	-	-	-
Other Temporary	160	8	-	944	8	-	-	-
Permanent crops	260	76	*	5,669	76	*	*	*
Avocado	68	*	-	2,238	*	-	-	-
Bananas	154	39	-	4,279	39	-	-	-
Guava	*	-	-	-	-	-	-	-
Lemons	*	*	-	*	*	-	-	-
Mangoes	*	*	-	518	*	-	-	-
Oranges	8	*	-	*	*	-	-	-
Papayas	10	*	-	*	*	-	-	-
Pineapples	-	-	-	-	-	-	-	-
Stimulant	430	68	*	3,881	65	*	*	*
Chat	18	*	-	*	*	-	-	-
Coffee	408	67	-	3,615	64	-	-	-
Hops / 'Geshe'	4	*	-	*	*	-	-	-
Enset	1,564	739	-	17,458	739	-	-	-
Sugar cane	53	11	-	1,019	11	-	-	-
Other permanent	3	*	-	*	*	-	-	-

(Table 1.7.19 cont'd.)

Konta Special Wereda

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	785	148	63	8,206	2,388	1,999	34,153	17,226	7,192
Cereals	785	148	63	8,118	2,318	1,933	25,690	7,894	3,908
Teff	*	*	*	6,901	1,984	1,502	19,284	5,139	2,430
Barley	-	-	-	*	*	*	4,179	*	289
Wheat	*	*	*	1,654	331	420	2,871	336	248
Maize	-	-	-	-	-	-	*	*	*
Sorghum	-	-	-	-	-	-	8,759	1,521	774
Finger millet	-	-	-	-	-	-	*	*	*
Oats / 'Aja'	-	-	-	-	-	-	*	*	*
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	*	*	*	17,903	4,656	3,280
Horse / Faba beans	-	-	-	*	*	*	12,707	3,226	2,422
Field Peas	-	-	-	-	-	-	6,644	1,061	667
Haricot beans	-	-	-	*	*	*	6,269	366	190
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	*	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	*	*	*
Groundnuts	-	-	-	-	-	-	*	*	*
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	-	-	-	-	-	-	5,557	31	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	*	*	-
Ethiopian cabbage	-	-	-	-	-	-	3,930	20	-
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	-	1,718	*	-
Red peppers	-	-	-	-	-	-	*	*	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	-	-	-	*	*	*	27,600	2,165	-
Beetroot	-	-	-	-	-	-	*	*	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	-	-	-	*	*	*	942	7	-
Potatoes	-	-	-	-	-	-	*	*	-
Garlic	-	-	-	-	-	-	*	*	-
Taro 'Godere'	-	-	-	-	-	-	25,919	2,018	-
Sweet potatoes	-	-	-	-	-	-	4,610	97	-
Other Temporary	-	-	-	-	-	-	7,089	160	-
Permanent crops							16,911	259	
Avocado							7,360	67	
Bananas							13,704	154	
Guava							*	*	
Lemons							*	*	
Mangoes							2,053	*	
Oranges							1,027	8	
Papayas							2,804	10	
Pineapples							-	-	
Stimulant							15,402	430	
Chat							1,285	18	
Coffee							14,706	408	
Hops / 'Gesho'							1,399	4	
Enset							30,375	1,564	
Sugar cane							4,565	53	
Other permanent							1,024	3	

(Table 1.7.19 Contd.)

Konta Special Wereda[illegible]

Table1.7.20 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Silitie

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	123,836	113,868	112,709	187,665	20,796	141,365	43,804	44,892
Cereals	92,062	85,224	88,074	54,027	4,171	129,058	37,674	34,562
Teff	11,327	10,827	8,924	2,856	287	13,798	1,778	855
Barley	10,666	10,368	9,797	16,458	680	58,274	7,097	6,869
Wheat	24,043	23,628	28,854	4,281	359	55,353	8,953	9,296
Maize	35,576	33,649	30,865	32,604	2,185	72,345	15,797	12,341
Sorghum	9,684	6,066	9,322	11,789	661	37,868	3,615	5,052
Finger millet	*	*	*	-	-	*	*	*
Oats / 'Aja'	*	*	-	*	*	-	-	-
Rice	-	-	-	-	-	-	-	-
Pulses	9,863	8,149	8,855	62,263	2,565	72,318	4,045	6,499
Horse / Faba beans	4,218	4,033	*	41,503	1,377	52,991	1,995	*
Field Peas	2,239	2,194	1,826	9,495	221	27,482	1,542	1,361
Haricot beans	891	711	*	9,642	*	*	*	*
Chick peas	2,188	927	335	*	*	3,520	268	*
Lentils	-	-	-	-	-	-	-	-
Vetch / Grass peas	*	*	*	*	*	*	*	*
Soya beans	*	-	*	-	-	*	-	*
Fenugreek	*	*	*	*	*	*	*	*
Gibto	-	-	-	-	-	-	-	-
Oilseeds	*	*	*	*	*	*	*	*
Neug	-	-	-	-	-	-	-	-
Linseed	*	*	*	*	*	*	*	*
Groundnuts	*	*	-	*	*	-	-	-
Safflower	*	*	-	*	*	-	-	-
Sesame	-	-	-	-	-	-	-	-
Rapeseed	*	*	*	*	*	*	*	*
Vegetables	9,124	8,526	13,090	152,900	2,826	20,238	*	3,282
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	*	*	*	4,209	*	*	*	*
Ethiopian cabbage	2,963	2,779	399	151,861	2,616	3,874	39	73
Tomatoes	*	*	-	1,406	*	-	-	-
Green peppers	*	*	*	*	*	*	*	*
Red peppers	6,070	5,670	12,664	5,295	*	15,648	*	3,198
Swiss chard	*	*	-	*	*	-	-	-
Root crops	445	430	*	23,558	316	*	*	*
Beetroot	11	10	*	4,214	9	*	*	*
Carrot	9	8	-	3,165	8	-	-	-
Onion	*	*	*	8,052	*	*	*	*
Potatoes	224	222	*	9,109	136	*	*	*
Garlic	*	*	*	*	*	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	*	*	*	-	-	-
Other Temporary	545	500	1,501	17,110	222	2,748	55	*
Permanent crops	431	361	*	60,537	332	*	*	*
Avocado	59	49	-	17,450	49	-	-	-
Bananas	166	150	-	27,913	126	-	-	-
Guava	*	*	-	1,877	*	-	-	-
Lemons	2	*	-	1,889	*	-	-	-
Mangoes	*	*	-	1,793	*	-	-	-
Oranges	26	25	-	7,872	25	-	-	-
Papayas	159	120	-	27,178	115	-	-	-
Pineapples	-	-	-	-	-	-	-	-
Stimulant	3,230	2,656	*	89,478	2,495	*	*	*
Chat	2,821	2,296	-	80,429	2,166	-	-	-
Coffee	410	360	-	42,813	330	-	-	-
Hops / 'Gescho'	-	-	-	-	-	-	-	-
Enset	7,558	7,530	-	101,358	7,511	-	-	-
Sugar cane	*	*	-	6,647	*	-	-	-
Other permanent	128	101	-	25,413	85	-	-	-

(Table 1.7.20 cont'd.)

Silitie

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	14,410	1,235	890	125,871	48,032	66,926	219,229	110,152	104,035
Cereals	9,830	870	486	117,962	42,509	53,026	207,680	78,516	92,603
Teff	2,169	*	*	34,006	8,389	7,994	49,435	10,407	5,440
Barley	*	*	*	28,910	2,547	2,900	96,577	10,666	18,895
Wheat	*	*	*	67,579	14,229	19,355	118,850	22,935	51,182
Maize	*	*	*	73,412	15,449	18,454	123,913	24,057	11,831
Sorghum	*	*	91	19,348	1,691	4,178	91,074	9,684	*
Finger millet	*	*	*	*	*	*	*	*	*
Oats / 'Aja'	-	-	-	-	-	-	*	*	*
Rice	-	-	-	-	-	-	-	-	-
Pulses	2,117	*	*	24,621	1,396	2,259	145,503	9,818	11,369
Horse / Faba beans	*	*	*	16,669	640	670	110,014	4,198	4,420
Field Peas	*	*	*	4,541	314	391	42,636	2,239	2,706
Haricot beans	*	*	*	5,855	256	1,072	22,766	866	676
Chick peas	-	-	-	*	*	*	20,391	2,188	1,452
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	*	*	*	*	*	*
Soya beans	-	-	-	-	-	-	*	*	*
Fenugreek	*	*	*	*	*	*	*	*	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	1,459	*	*	8,497	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	1,459	*	*	3,580	*	*
Groundnuts	-	-	-	-	-	-	*	*	*
Safflower	-	-	-	-	-	-	*	*	*
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	*	*	*
Vegetables	3,490	*	*	29,272	3,663	9,655	177,780	9,089	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	4,931	*	-
Ethiopian cabbage	*	*	*	2,235	*	*	165,044	2,963	-
Tomatoes	-	-	-	-	-	-	1,406	*	-
Green peppers	*	*	*	*	*	*	*	*	-
Red peppers	*	*	*	27,077	3,557	9,361	48,892	6,045	-
Swiss chard	-	-	-	-	-	-	*	*	-
Root crops	*	*	*	2,829	*	*	31,521	443	-
Beetroot	-	-	-	-	-	-	4,564	10	-
Carrot	-	-	-	-	-	-	3,194	7	-
Onion	*	*	*	-	-	-	9,317	*	-
Potatoes	*	*	*	*	*	*	15,442	224	-
Garlic	-	-	-	*	*	*	3,925	*	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	*	*	*	*	*	-
Other Temporary	*	*	*	5,687	222	1,350	26,202	545	-
Permanent crops							69,054	420	
Avocado							18,936	57	
Bananas							32,747	166	
Guava							2,245	*	
Lemons							2,613	2	
Mangoes							3,663	*	
Oranges							9,363	25	
Papayas							30,597	152	
Pineapples							-	-	
Stimulant							102,652	3,188	
Chat							96,124	2,820	
Coffee							45,423	369	
Hops / 'Gescho'							-	-	
Enset							102,872	7,558	
Sugar cane							10,675	*	
Other permanent							34,667	126	

(Table 1.7.20 Cont'd.)

Silitie

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	64,718	13,684	5,832	146,202	44,117	10,879	437	80,228	27,895
Cereals	57,324	13,546	5,808	139,255	40,843	2,536	*	77,086	25,824
Teff	2,520	919	299	43,585	9,584	*	*	*	1,637
Barley	-	-	-	48,008	5,117	-	-	4,545	348
Wheat	5,092	1,108	1,718	98,595	20,885	-	-	24,066	5,945
Maize	53,966	11,519	3,792	17,996	3,851	1,824	*	68,551	15,627
Sorghum	-	-	-	*	*	*	*	22,264	1,879
Finger millet	-	-	-	*	*	-	-	*	*
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	*	15,678	1,298	*	*	14,690	902
Horse / Faba beans	*	*	*	10,323	455	-	-	10,868	*
Field Peas	-	-	-	7,366	806	-	-	*	*
Haricot beans	*	*	*	*	*	*	*	5,567	*
Chick peas	-	-	-	*	*	-	-	*	*
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	*	*
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	*	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	*	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	*	*	-	17,761	1,756	5,528	50	13,779	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	-	-	*	*	*	*
Ethiopian cabbage	-	-	-	*	*	*	*	13,072	*
Tomatoes	*	*	-	*	*	*	*	*	*
Green peppers	-	-	-	*	*	-	-	*	*
Red peppers	*	*	-	12,558	1,648	*	*	*	*
Swiss chard	*	*	-	-	-	-	-	*	*
Root crops	*	*	-	*	*	*	*	*	*
Beetroot	*	*	-	*	*	-	-	*	*
Carrot	*	*	-	*	*	*	*	*	*
Onion	*	*	-	*	*	-	-	*	*
Potatoes	-	-	-	*	*	-	-	*	*
Garlic	-	-	-	*	*	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	*	*
Other Temporary	-	-	-	-	-	*	*	4,210	*
Permanent crops				*	*	*	*	8,096	*
Avocado				-	-	*	*	*	*
Bananas				-	-	*	*	*	*
Guava				-	-	-	-	*	*
Lemons				*	*	-	-	-	-
Mangoes				*	*	*	*	*	*
Oranges				*	*	*	*	*	*
Papayas				*	*	*	*	5,264	*
Pineapples				-	-	-	-	-	-
Stimulant	7,704	*	-	7,589	174	5,578	*	13,383	*
Chat				7,589	173	*	*	9,891	*
Coffee	7,343	*	-	*	*	3,436	*	8,083	*
Hops / 'Gescho'				-	-	-	-	-	-
Enset				*	*	*	*	*	*
Sugar cane				-	-	*	*	*	*
Other permanent				*	*	*	*	*	*

Table1.7.21 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Alaba Special Wereda

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	46,908	38,434	30,318	51,806	8,134	44,762	21,371	18,863
Cereals	37,531	29,982	22,435	29,775	4,500	41,966	18,476	14,458
Teff	10,250	9,639	7,651	1,011	*	23,334	6,376	4,229
Barley	262	*	*	586	*	727	*	*
Wheat	3,499	2,510	2,788	*	*	7,548	1,368	1,324
Maize	18,492	14,877	8,937	26,211	3,665	31,517	9,025	6,683
Sorghum	3,084	1,679	2,410	9,684	570	12,157	865	1,705
Finger millet	1,944	1,180	534	3,996	202	8,368	795	467
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
Pulses	1,647	1,181	1,261	10,332	355	9,225	682	1,079
Horse / Faba beans	*	*	*	-	-	*	*	*
Field Peas	*	*	*	-	-	*	*	*
Haricot beans	1,453	1,021	1,174	9,608	340	8,250	594	1,041
Chick peas	*	*	-	*	*	-	-	-
Lentils	*	*	-	*	*	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	*	*	*	*	*	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	*	*	*	887	*	*	*	*
Neug	*	*	-	*	*	-	-	-
Linseed	*	*	*	*	*	*	*	*
Groundnuts	*	*	-	*	*	-	-	-
Safflower	*	*	-	*	*	-	-	-
Sesame	*	*	-	*	*	-	-	-
Rapeseed	*	-	-	-	-	-	-	-
Vegetables	5,312	5,094	6,026	43,612	1,301	15,650	2,086	2,918
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	36	36	*	2,030	20	*	*	*
Ethiopian cabbage	1,185	1,135	135	42,741	1,084	2,007	*	*
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	*	*	-	*	*	-	-	-
Red peppers	4,078	3,913	5,860	4,911	187	14,065	2,026	2,775
Swiss chard	*	-	-	-	-	-	-	-
Root crops	158	136	*	6,731	110	*	*	*
Beetroot	*	*	-	*	*	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	*	*	*	*	*	-	-	-
Potatoes	117	103	*	4,547	*	*	*	*
Garlic	*	*	-	*	*	-	-	-
Taro 'Godere'	*	*	-	*	*	-	-	-
Sweet potatoes	21	14	-	1,879	14	-	-	-
Other Temporary	327	279	406	10,729	182	2,111	69	312
Permanent crops	57	54		6,664	50			
Avocado	3	3		1,348	3			
Bananas	27	26		4,398	22			
Guava	*	*		*	*			
Lemons	-	-		-	-			
Mangoes	*	*		*	*			
Oranges	*	*		*	*			
Papayas	8	8		2,114	8			
Pineapples	-	-		-	-			
Stimulant	1,691	1,572		32,045	1,506			
Chat	1,534	1,420		29,077	1,355			
Coffee	157	151		11,640	151			
Hops / 'Geshe'	-	-		-	-			
Enset	75	75		12,200	75			
Sugar cane	14	11		2,051	11			
Other permanent	*	*		905	*			

(Table 1.7.21 cont'd.)

Alaba Special Wereda[illegible]

(Table 1.7.21 Cont'd.)

Alaba Special Wereda

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	22,495	9,045	2,531	33,441	10,418	-	-	14,597	6,977
Cereals	21,887	9,021	2,531	31,763	10,078	-	-	14,597	6,657
Teff	7,900	2,755	796	24,432	7,312	-	-	7,706	2,931
Barley	*	*	-	*	*	-	-	-	-
Wheat	*	*	*	11,111	2,593	-	-	*	*
Maize	20,107	6,098	1,613	*	*	-	-	12,880	3,336
Sorghum	*	*	*	-	-	-	-	3,151	221
Finger millet	*	*	*	*	*	-	-	*	*
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	-	-	-	-	2,763	278
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	-	-	2,763	278
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	*	*	-	2,034	*	-	-	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	-	-	-	-	-	-
Ethiopian cabbage	*	*	-	*	*	-	-	*	*
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	-	-	-	-
Red peppers	*	*	-	1,287	*	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	-	-	-	*	*	-	-	-	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	-	-	-
Potatoes	-	-	-	*	*	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other Temporary	-	-	-	-	-	-	-	*	*
Permanent crops	-	-	-	-	-	-	-	-	-
Avocado	-	-	-	-	-	-	-	-	-
Bananas	-	-	-	-	-	-	-	-	-
Guava	-	-	-	-	-	-	-	-	-
Lemons	-	-	-	-	-	-	-	-	-
Mangoes	-	-	-	-	-	-	-	-	-
Oranges	-	-	-	-	-	-	-	-	-
Papayas	-	-	-	-	-	-	-	-	-
Pineapples	-	-	-	-	-	-	-	-	-
Stimulant	*	*	-	*	*	-	-	*	*
Chat	-	-	-	*	*	-	-	*	*
Coffee	*	*	-	-	-	-	-	-	-
Hops / 'Geshe'	-	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	-	-	-	-
Other permanent	-	-	-	*	*	-	-	-	-

Table1.9 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Gambella Region

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	15,896	*	-	1,586	*	-	-	-
Cereals	9,770	*	-	1,217	*	-	-	-
Teff	*	-	-	-	-	-	-	-
Barley	*	-	-	-	-	-	-	-
Wheat	*	*	-	*	*	-	-	-
Maize	6,051	*	-	*	*	-	-	-
Sorghum	3,528	*	-	*	*	-	-	-
Finger millet	*	*	-	*	*	-	-	-
Oats / 'Aja'	*	-	-	-	-	-	-	-
Rice	*	*	-	*	*	-	-	-
Pulses	42	*	-	*	*	-	-	-
Horse / Faba beans	*	-	-	-	-	-	-	-
Field Peas	*	-	-	-	-	-	-	-
Haricot beans	25	*	-	*	*	-	-	-
Chick peas	*	-	-	-	-	-	-	-
Lentils	*	-	-	-	-	-	-	-
Vetch / Grass peas	*	-	-	-	-	-	-	-
Soya beans	*	-	-	-	-	-	-	-
Fenugreek	*	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	35	*	-	*	*	-	-	-
Neug	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-
Groundnuts	*	-	-	-	-	-	-	-
Safflower	*	*	-	*	*	-	-	-
Sesame	13	-	-	-	-	-	-	-
Rapeseed	*	-	-	-	-	-	-	-
Vegetables	137	*	-	*	*	-	-	-
Lettuce	*	-	-	-	-	-	-	-
Head cabbage	4	-	-	-	-	-	-	-
Ethiopian cabbage	28	*	-	*	*	-	-	-
Tomatoes	12	*	-	*	*	-	-	-
Green peppers	25	-	-	-	-	-	-	-
Red peppers	*	*	-	*	*	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
Root crops	263	*	-	*	*	-	-	-
Beetroot	*	-	-	-	-	-	-	-
Carrot	*	-	-	-	-	-	-	-
Onion	*	*	-	*	*	-	-	-
Potatoes	*	-	-	-	-	-	-	-
Garlic	*	-	-	-	-	-	-	-
Taro 'Godere'	92	*	-	*	*	-	-	-
Sweet potatoes	156	*	-	*	*	-	-	-
Other Temporary	1,085	*	-	*	*	-	-	-
Permanent crops	449	*	-	*	*	-	-	-
Avocado	30	*	-	*	*	-	-	-
Bananas	197	*	-	*	*	-	-	-
Guava	2	-	-	-	-	-	-	-
Lemons	*	-	-	-	-	-	-	-
Mangoes	175	*	-	126	*	-	-	-
Oranges	7	-	-	-	-	-	-	-
Papayas	32	*	-	*	*	-	-	-
Pineapples	3	-	-	-	-	-	-	-
Stimulant	3,615	*	-	*	*	-	-	-
Chat	148	*	-	*	*	-	-	-
Coffee	3,443	*	-	*	*	-	-	-
Hops / 'Geshe'	23	*	-	*	*	-	-	-
Enset	397	*	-	*	*	-	-	-
Sugar cane	100	*	-	*	*	-	-	-
Other permanent	2	-	-	-	-	-	-	-

(Table 1.9 cont'd.)

Gambella Region

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	-	-	-	-	-	-	43,436	15,882	4,215
Cereals	-	-	-	-	-	-	39,256	9,759	4,192
Teff	-	-	-	-	-	-	*	*	*
Barley	-	-	-	-	-	-	*	*	*
Wheat	-	-	-	-	-	-	*	*	*
Maize	-	-	-	-	-	-	29,637	6,051	2,510
Sorghum	-	-	-	-	-	-	16,021	3,526	1,396
Finger millet	-	-	-	-	-	-	*	*	*
Oats / 'Aja'	-	-	-	-	-	-	*	*	*
Rice	-	-	-	-	-	-	815	*	*
Pulses	-	-	-	-	-	-	4,172	42	12
Horse / Faba beans	-	-	-	-	-	-	*	*	*
Field Peas	-	-	-	-	-	-	*	*	*
Haricot beans	-	-	-	-	-	-	3,885	25	5
Chick peas	-	-	-	-	-	-	*	*	*
Lentils	-	-	-	-	-	-	*	*	-
Vetch / Grass peas	-	-	-	-	-	-	*	*	*
Soya beans	-	-	-	-	-	-	*	*	*
Fenugreek	-	-	-	-	-	-	*	*	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	1,269	34	12
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	821	*	*
Safflower	-	-	-	-	-	-	*	*	*
Sesame	-	-	-	-	-	-	267	*	*
Rapeseed	-	-	-	-	-	-	*	*	*
Vegetables	-	-	-	-	-	-	8,109	137	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	-	-	-	-	-	-	503	4	-
Ethiopian cabbage	-	-	-	-	-	-	4,140	28	-
Tomatoes	-	-	-	-	-	-	998	12	-
Green peppers	-	-	-	-	-	-	1,866	25	-
Red peppers	-	-	-	-	-	-	1,818	*	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	-	-	-	-	-	-	10,592	263	-
Beetroot	-	-	-	-	-	-	*	*	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	-	-	-	-	-	-	531	*	-
Potatoes	-	-	-	-	-	-	*	*	-
Garlic	-	-	-	-	-	-	158	*	-
Taro 'Godere'	-	-	-	-	-	-	7,131	92	-
Sweet potatoes	-	-	-	-	-	-	4,329	156	-
Other Temporary	-	-	-	-	-	-	18,501	1,084	-
Permanent crops							18,280	448	
Avocado							5,132	30	
Bananas							9,127	197	
Guava							586	2	
Lemons							378	*	
Mangoes							9,373	175	
Oranges							1,737	7	
Papayas							6,534	32	
Pineapples							667	3	
Stimulant							10,219	3,615	
Chat							2,669	148	
Coffee							9,458	3,443	
Hops / 'Gesho'							2,297	23	
Enset							8,744	397	
Sugar cane							7,156	100	
Other permanent							1,620	2	

(Table 1.9 Cont'd.)

Gambella Region

[illegible]

Table1.9.1 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Agnuwak zone

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	5,519	*	-	*	*	-	-	-
Cereals	4,316	*	-	*	*	-	-	-
Teff	*	-	-	-	-	-	-	-
Barley	*	-	-	-	-	-	-	-
Wheat	*	*	-	*	*	-	-	-
Maize	3,195	*	-	*	*	-	-	-
Sorghum	941	*	-	*	*	-	-	-
Finger millet	*	*	-	*	*	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	*	*	-	*	*	-	-	-
Pulses	*	*	-	*	*	-	-	-
Horse / Faba beans	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-
Haricot beans	11	*	-	*	*	-	-	-
Chick peas	*	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch / Grass peas	*	-	-	-	-	-	-	-
Soya beans	*	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	31	*	-	*	*	-	-	-
Neug	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-
Groundnuts	*	-	-	-	-	-	-	-
Safflower	*	*	-	*	*	-	-	-
Sesame	*	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-
Vegetables	*	*	-	*	*	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-
Ethiopian cabbage	6	*	-	*	*	-	-	-
Tomatoes	8	*	-	*	*	-	-	-
Green peppers	*	-	-	-	-	-	-	-
Red peppers	*	*	-	*	*	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
Root crops	116	*	-	*	*	-	-	-
Beetroot	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	*	*	-	*	*	-	-	-
Potatoes	*	-	-	-	-	-	-	-
Garlic	*	-	-	-	-	-	-	-
Taro 'Godere'	14	*	-	*	*	-	-	-
Sweet potatoes	101	*	-	*	*	-	-	-
Other Temporary	783	*	-	*	*	-	-	-
Permanent crops	166	*	-	*	*	-	-	-
Avocado	*	*	-	*	*	-	-	-
Bananas	63	*	-	*	*	-	-	-
Guava	*	-	-	-	-	-	-	-
Lemons	*	-	-	-	-	-	-	-
Mangoes	*	*	-	*	*	-	-	-
Oranges	*	-	-	-	-	-	-	-
Papayas	21	*	-	*	*	-	-	-
Pineapples	-	-	-	-	-	-	-	-
Stimulant	*	*	-	*	*	-	-	-
Chat	*	*	-	*	*	-	-	-
Coffee	*	*	-	*	*	-	-	-
Hops / 'Geshe'	*	*	-	*	*	-	-	-
Enset	-	-	-	-	-	-	-	-
Sugar cane	*	*	-	*	*	-	-	-
Other permanent	*	-	-	-	-	-	-	-

(Table 1.9.1 cont'd.)

Agnuwak zone

[illegible]

(Table 1.9.1 Cont'd.)

Agnuwak zone

[illegible]

Table1.9.2 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Nuwere Zone

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	1,566	-	-	-	-	-	-	-
Cereals	1,531	-	-	-	-	-	-	-
Teff	-	-	-	-	-	-	-	-
Barley	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-
Maize	1,531	-	-	-	-	-	-	-
Sorghum	-	-	-	-	-	-	-	-
Finger millet	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
Pulses	*	-	-	-	-	-	-	-
Horse / Faba beans	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	-	-	-
Chick peas	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	*	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-
Vegetables	*	-	-	-	-	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-
Tomatoes	*	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	-	-	-
Red peppers	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
Root crops	-	-	-	-	-	-	-	-
Beetroot	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-
Other Temporary	34	-	-	-	-	-	-	-
Permanent crops	-	-	-	-	-	-	-	-
Avocado	-	-	-	-	-	-	-	-
Bananas	-	-	-	-	-	-	-	-
Guava	-	-	-	-	-	-	-	-
Lemons	-	-	-	-	-	-	-	-
Mangoes	-	-	-	-	-	-	-	-
Oranges	-	-	-	-	-	-	-	-
Papayas	-	-	-	-	-	-	-	-
Pineapples	-	-	-	-	-	-	-	-
Stimulant	-	-	-	-	-	-	-	-
Chat	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-
Hops / 'Geshe'	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	-	-	-
Other permanent	-	-	-	-	-	-	-	-

(Table 1.9.2 cont'd.)

Nuwere Zone

[illegible]

(Table 1.9.2 Cont'd.)

Nuwere Zone

[illegible]

Table1.9.3 Number of Holders, Inputs Applied Area and Quantity of Inputs used
Mezengir Zone

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	7,603	2	-	240	2	-	-	-
Cereals	2,895	*	-	*	*	-	-	-
Teff	*	-	-	-	-	-	-	-
Barley	*	-	-	-	-	-	-	-
Wheat	*	-	-	-	-	-	-	-
Maize	497	*	-	*	*	-	-	-
Sorghum	2,388	-	-	-	-	-	-	-
Finger millet	-	-	-	-	-	-	-	-
Oats / 'Aja'	*	-	-	-	-	-	-	-
Rice	*	-	-	-	-	-	-	-
Pulses	25	*	-	*	*	-	-	-
Horse / Faba beans	*	-	-	-	-	-	-	-
Field Peas	*	-	-	-	-	-	-	-
Haricot beans	11	*	-	*	*	-	-	-
Chick peas	-	-	-	-	-	-	-	-
Lentils	*	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	*	-	-	-	-	-	-	-
Fenugreek	*	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	*	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-
Groundnuts	*	-	-	-	-	-	-	-
Safflower	*	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Rapeseed	*	-	-	-	-	-	-	-
Vegetables	54	*	-	*	*	-	-	-
Lettuce	*	-	-	-	-	-	-	-
Head cabbage	4	-	-	-	-	-	-	-
Ethiopian cabbage	21	*	-	*	*	-	-	-
Tomatoes	*	-	-	-	-	-	-	-
Green peppers	20	-	-	-	-	-	-	-
Red peppers	*	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
Root crops	142	*	-	*	*	-	-	-
Beetroot	*	-	-	-	-	-	-	-
Carrot	*	-	-	-	-	-	-	-
Onion	*	-	-	-	-	-	-	-
Potatoes	*	-	-	-	-	-	-	-
Garlic	*	-	-	-	-	-	-	-
Taro 'Godere'	79	*	-	*	*	-	-	-
Sweet potatoes	51	-	-	-	-	-	-	-
Other Temporary	234	-	-	-	-	-	-	-
Permanent crops	151	*	-	*	*	-	-	-
Avocado	30	*	-	*	*	-	-	-
Bananas	73	*	-	*	*	-	-	-
Guava	1	-	-	-	-	-	-	-
Lemons	*	-	-	-	-	-	-	-
Mangoes	26	*	-	*	*	-	-	-
Oranges	6	-	-	-	-	-	-	-
Papayas	11	*	-	*	*	-	-	-
Pineapples	3	-	-	-	-	-	-	-
Stimulant	3,609	*	-	*	*	-	-	-
Chat	148	-	-	-	-	-	-	-
Coffee	3,439	*	-	*	*	-	-	-
Hops / 'Gescho'	21	-	-	-	-	-	-	-
Enset	397	*	-	*	*	-	-	-
Sugar cane	92	-	-	-	-	-	-	-
Other permanent	2	-	-	-	-	-	-	-

(Table 1.9.3 cont'd.)

Mezengir Zone

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	-	-	-	-	-	-	14,450	7,603	1,090
Cereals	-	-	-	-	-	-	11,544	2,895	1,081
Teff	-	-	-	-	-	-	*	*	*
Barley	-	-	-	-	-	-	*	*	-
Wheat	-	-	-	-	-	-	*	*	-
Maize	-	-	-	-	-	-	4,805	497	172
Sorghum	-	-	-	-	-	-	10,178	2,388	906
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	*	*	-
Rice	-	-	-	-	-	-	*	*	*
Pulses	-	-	-	-	-	-	2,156	25	9
Horse / Faba beans	-	-	-	-	-	-	*	*	*
Field Peas	-	-	-	-	-	-	*	*	*
Haricot beans	-	-	-	-	-	-	1,937	11	3
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	*	*	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	*	*	*
Fenugreek	-	-	-	-	-	-	*	*	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	190	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	*	*	*
Safflower	-	-	-	-	-	-	*	*	*
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	*	*	*
Vegetables	-	-	-	-	-	-	5,175	54	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	-	-	-	-	-	-	503	4	-
Ethiopian cabbage	-	-	-	-	-	-	3,593	21	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	1,185	20	-
Red peppers	-	-	-	-	-	-	613	*	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	-	-	-	-	-	-	6,955	142	-
Beetroot	-	-	-	-	-	-	*	*	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	-	-	-	-	-	-	394	*	-
Potatoes	-	-	-	-	-	-	*	*	-
Garlic	-	-	-	-	-	-	*	*	-
Taro 'Godere'	-	-	-	-	-	-	5,967	79	-
Sweet potatoes	-	-	-	-	-	-	1,601	51	-
Other Temporary	-	-	-	-	-	-	6,937	234	-
Permanent crops							9,570	151	
Avocado							5,098	30	
Bananas							5,612	73	
Guava							450	1	
Lemons							284	*	
Mangoes							4,319	26	
Oranges							1,672	6	
Papayas							3,511	11	
Pineapples							653	3	
Stimulant							9,703	3,609	
Chat							2,635	148	
Coffee							9,010	3,439	
Hops / 'Geshe'							2,056	21	
Enset							8,744	397	
Sugar cane							6,469	92	
Other permanent							1,396	2	

(Table 1.9.3 Cont'd.)

Mezengir Zone

[illegible]

Table1.9.4 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Itang Special

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	1,208	-	-	-	-	-	-	-
Cereals	1,028	-	-	-	-	-	-	-
Teff	-	-	-	-	-	-	-	-
Barley	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-
Maize	829	-	-	-	-	-	-	-
Sorghum	199	-	-	-	-	-	-	-
Finger millet	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
Pulses	*	-	-	-	-	-	-	-
Horse / Faba beans	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-
Haricot beans	*	-	-	-	-	-	-	-
Chick peas	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	*	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-
Groundnuts	*	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	*	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-
Vegetables	*	-	-	-	-	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-
Ethiopian cabbage	*	-	-	-	-	-	-	-
Tomatoes	4	-	-	-	-	-	-	-
Green peppers	*	-	-	-	-	-	-	-
Red peppers	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
Root crops	4	-	-	-	-	-	-	-
Beetroot	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	-	-
Potatoes	*	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-
Taro 'Godere'	*	-	-	-	-	-	-	-
Sweet potatoes	*	-	-	-	-	-	-	-
Other Temporary	32	-	-	-	-	-	-	-
Permanent crops	131	-	-	-	-	-	-	-
Avocado	-	-	-	-	-	-	-	-
Bananas	*	-	-	-	-	-	-	-
Guava	-	-	-	-	-	-	-	-
Lemons	-	-	-	-	-	-	-	-
Mangoes	69	-	-	-	-	-	-	-
Oranges	*	-	-	-	-	-	-	-
Papayas	*	-	-	-	-	-	-	-
Pineapples	*	-	-	-	-	-	-	-
Stimulant	-	-	-	-	-	-	-	-
Chat	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-
Hops / 'Geshe'	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	-	-	-
Other permanent	-	-	-	-	-	-	-	-

(Table 1.9.4 cont'd.)

Itang Special

[illegible]

(Table 1.9.4 Cont'd.)

Itang Special

[illegible]

Table1.8 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Harari Region

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	14,493	10,396	14,928	12,162	2,938	1,967	479	599
Cereals	7,729	5,750	7,483	9,539	1,837	1,732	263	272
Teff	*	*	*	*	*	-	-	-
Barley	17	16	*	*	*	*	*	*
Wheat	117	105	312	229	*	*	*	*
Maize	809	644	1,965	3,479	138	508	19	49
Sorghum	6,762	4,962	5,153	8,419	1,686	1,098	217	184
Finger millet	*	-	-	-	-	-	-	-
Oats / 'Aja'	*	*	*	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
Pulses	*	*	*	*	*	*	*	*
Horse / Faba beans	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-
Haricot beans	*	*	-	*	*	-	-	-
Chick peas	*	*	*	-	-	-	-	-
Lentils	*	*	*	*	*	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	1,687	755	622	3,155	380	*	*	*
Neug	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-
Groundnuts	1,679	752	622	3,155	377	*	*	*
Safflower	-	-	-	-	-	-	-	-
Sesame	*	*	-	*	*	-	-	-
Rapeseed	-	-	-	-	-	-	-	-
Vegetables	25	*	*	484	9	*	*	*
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	*	*	*	*	*	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-
Tomatoes	*	*	*	*	*	*	*	*
Green peppers	*	*	-	*	*	-	-	-
Red peppers	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
Root crops	364	152	287	2,359	60	275	*	*
Beetroot	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	-	-
Potatoes	*	*	*	*	*	*	*	*
Garlic	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	350	141	263	2,209	58	*	*	*
Other Temporary	15	13	*	1,415	11	-	-	-
Permanent crops	219	73		2,677	45			
Avocado	*	-	-	-	-	-	-	-
Bananas	21	2		1,092	2			
Guava	*	*		*	*			
Lemons	13	*		332	3			
Mangoes	160	57		1,197	36			
Oranges	-	-		-	-			
Papayas	20	*		491	*			
Pineapples	-	-		-	-			
Stimulant	4,189	3,579		7,435	593			
Chat	4,147	3,548		7,135	586			
Coffee	43	*		557	*			
Hops / 'Geshe'	-	-		-	-			
Enset	-	-		-	-			
Sugar cane	258	*		*	*			
Other permanent	*	*		*	*			

(Table 1.8 cont'd.)

Harari Region

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	8,230	3,794	5,516	5,001	3,186	8,813	22,327	14,436	5,675
Cereals	7,792	2,152	2,780	4,706	1,498	4,432	21,866	7,677	3,536
Teff	*	*	*	-	-	-	*	*	-
Barley	*	*	*	*	*	*	730	17	*
Wheat	649	27	68	890	*	*	2,100	100	161
Maize	3,814	226	643	2,576	262	1,273	10,698	774	569
Sorghum	7,432	1,891	2,046	4,434	1,168	2,922	20,899	6,762	2,782
Finger millet	-	-	-	-	-	-	*	*	-
Oats / 'Aja'	*	*	*	*	*	*	*	*	*
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	*	*	*	*	*	*
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	-	*	*	*
Chick peas	-	-	-	*	*	*	*	*	*
Lentils	-	-	-	*	*	*	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	2,527	279	391	411	*	*	9,518	1,687	2,136
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	2,527	279	391	411	*	*	9,518	1,679	2,135
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	263	*	*
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	-	-	-	*	*	*	1,024	*	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	*	*	*	*	*	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	-	-	-	-	-	-	611	*	-
Green peppers	-	-	-	-	-	-	*	*	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	1,304	43	97	931	35	170	7,221	364	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	-	-	-
Potatoes	*	*	*	*	*	*	*	*	*
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	1,209	42	96	870	31	159	6,841	350	-
Other Temporary	*	*	*	-	-	-	1,810	15	-
Permanent crops							5,480	216	
Avocado							*	*	
Bananas							1,878	21	
Guava							*	*	
Lemons							1,055	13	
Mangoes							3,246	160	
Oranges							-	-	
Papayas							1,487	17	
Pineapples							-	-	
Stimulant							19,224	4,189	
Chat							19,049	4,147	
Coffee							2,199	42	
Hops / 'Gesho'							-	-	
Enset							-	-	
Sugar cane							2,691	258	

(Table 1.8 Cont'd.)

Harari Region

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	965	57	*	2,439	434	4,410	829	5,246	2,376
Cereals	741	*	*	808	223	1,693	192	4,989	1,327
Teff	-	-	-	-	-	-	-	-	-
Barley	-	-	-	-	-	-	-	*	*
Wheat	*	*	*	*	*	*	*	300	*
Maize	561	35	*	*	*	873	48	2,969	294
Sorghum	-	-	-	808	195	1,253	132	4,507	1,012
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	-	-	-	-	*	*
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	-	-	-	-
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	340	21	714	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	340	21	714	*
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	*	*	-	-	-	*	*	199	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	*	*	*	*
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	*	*	-	-	-	*	*	*	*
Green peppers	-	-	-	-	-	-	-	*	*
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	-	-	-	*	*	966	*	744	28
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	*	*	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	*	*	906	*	744	28
Other Temporary	-	-	-	-	-	-	-	-	-
Permanent crops	-	-	-	-	-	706	20	*	*
Avocado	-	-	-	-	-	-	-	-	-
Bananas	-	-	-	-	-	332	*	*	*
Guava	-	-	-	-	-	-	-	-	-
Lemons	-	-	-	-	-	*	*	*	*
Mangoes	-	-	-	-	-	236	*	-	-
Oranges	-	-	-	-	-	-	-	-	-
Papayas	-	-	-	-	-	*	*	*	*
Pineapples	-	-	-	-	-	-	-	-	-
Stimulant	*	*	-	1,658	191	2,210	303	4,597	931
Chat	-	-	-	1,658	190	2,127	297	4,597	926
Coffee	*	*	-	*	*	*	*	*	*
Hops / 'Geshe'	-	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	*	*	*	*	*	*
Other permanent	-	-	-	-	-	*	*	*	*

Table1.10 Number of Holders, Inputs Applied Area and Quantity of Inputs used

Dire Dawa

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	11,449	2,950	167	10,089	2,780	389	59	*
Cereals	9,200	2,082	63	9,197	1,993	340	*	*
Teff	-	-	-	-	-	-	-	-
Barley	*	*	-	*	*	-	-	-
Wheat	*	-	-	-	-	-	-	-
Maize	320	109	*	3,336	107	*	*	*
Sorghum	8,852	1,971	45	8,632	1,885	291	*	*
Finger millet	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
Pulses	273	98	*	2,208	94	*	*	*
Horse / Faba beans	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-
Haricot beans	273	98	*	2,208	94	*	*	*
Chick peas	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	*	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	202	*	*	931	*	*	*	*
Neug	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-
Groundnuts	*	*	*	*	*	*	*	*
Safflower	-	-	-	-	-	-	-	-
Sesame	50	10	-	329	10	-	-	-
Rapeseed	-	-	-	-	-	-	-	-
Vegetables	*	*	*	639	*	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-
Tomatoes	*	*	*	*	*	-	-	-
Green peppers	*	*	*	*	*	-	-	-
Red peppers	*	*	*	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
Root crops	293	148	24	3,522	126	*	*	*
Beetroot	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	*	*	*	281	*	-	-	-
Potatoes	*	*	*	*	*	-	-	-
Garlic	*	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	260	129	*	3,287	118	*	*	*
Other Temporary	*	2	-	285	2	-	-	-
Permanent crops	70	*	*	1,766	*	-	-	-
Avocado	-	-	-	-	-	-	-	-
Bananas	*	*	*	*	*	-	-	-
Guava	12	3	-	453	3	-	-	-
Lemons	3	*	-	*	*	-	-	-
Mangoes	23	*	-	613	*	-	-	-
Oranges	*	*	-	*	*	-	-	-
Papayas	19	5	-	643	4	-	-	-
Pineapples	-	-	-	-	-	-	-	-
Stimulant	1,240	401	*	5,360	358	-	-	-
Chat	1,116	336	-	4,772	298	-	-	-
Coffee	125	65	-	1,642	60	-	-	-
Hops / 'Geshe'	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	-	-	-
Other permanent	*	*	-	1,033	*	-	-	-

(Table 1.10 cont'd.)

Dire Dawa

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	864	46	39	*	*	*	21,059	11,282	1,964
Cereals	359	18	12	*	*	*	20,846	9,080	1,800
Teff	-	-	-	-	-	-	-	-	-
Barley	-	-	-	-	-	-	*	*	*
Wheat	-	-	-	-	-	-	*	*	*
Maize	*	*	*	*	*	*	7,584	289	98
Sorghum	359	17	10	*	*	*	20,415	8,763	1,685
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	*	-	-	-	6,364	273	111
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	*	*	*	-	-	-	6,320	273	111
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	*	*	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	*	*	*	-	-	-	3,056	191	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	*	*	*	-	-	-	*	*	*
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	1,421	50	2
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	*	*	*	*	-	*	949	10	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	*	*	*	*	-	*	664	8	-
Green peppers	*	*	*	-	-	-	385	*	-
Red peppers	*	*	*	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	510	*	*	*	*	*	8,475	283	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	*	*	*	*	*	*	459	*	-
Potatoes	*	*	*	*	*	*	472	*	-
Garlic	-	-	-	-	-	-	*	*	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	*	*	*	*	8,245	260	-
Other Temporary	-	-	-	-	-	-	421	*	-
Permanent crops							5,318	67	
Avocado							-	-	
Bananas							*	*	
Guava							1,720	12	
Lemons							768	3	
Mangoes							1,553	23	
Oranges							*	*	
Papayas							2,428	16	
Pineapples							-	-	
Stimulant							12,893	1,238	
Chat							12,243	1,116	
Coffee							3,888	122	
Hops / 'Gesho'							-	-	
Enset							-	-	
Sugar cane							-	-	
Other permanent							2,660	*	

(Table 1.10 Cont'd.)

Dire Dawa

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	2,268	167	12	*	*	13,674	4,546	280	*
Cereals	557	120	7	*	*	12,557	3,578	*	*
Teff	-	-	-	-	-	-	-	-	-
Barley	-	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-	-
Maize	*	*	*	*	*	3,632	234	*	*
Sorghum	390	*	4	*	*	11,619	3,344	*	*
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	*	*	2,123	75	-	-
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	*	*	2,080	75	-	-
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	*	*	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	*	*	*	*	*	793	18	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	*	*	*	*	*	*	*	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	571	13	*	*
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	*	*	-	-	-	647	*	-	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	*	*	-	-	-	*	*	-	-
Green peppers	*	*	-	-	-	*	*	-	-
Red peppers	*	*	-	-	-	*	*	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	-	-	-	4,246	91	*	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	*	*	-	-	-	236	*	*	-
Potatoes	-	-	-	-	-	*	*	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	4,062	89	-	-
Other Temporary	-	-	-	-	-	288	*	-	-
Permanent crops	-	-	-	-	-	3,789	52	*	*
Avocado	-	-	-	-	-	-	-	-	-
Bananas	-	-	-	-	-	*	*	-	-
Guava	-	-	-	-	-	918	*	*	*
Lemons	-	-	-	-	-	*	*	-	-
Mangoes	-	-	-	-	-	997	*	-	-
Oranges	-	-	-	-	-	*	*	-	-
Papayas	-	-	-	-	-	1,864	14	-	-
Pineapples	-	-	-	-	-	-	-	-	-
Stimulant	*	*	-	*	*	7,585	581	*	*
Chat	-	-	-	*	*	6,337	473	-	-
Coffee	*	*	-	-	-	3,441	108	*	*
Hops / 'Gesho'	-	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	-	-	-	-
Other permanent	-	-	-	-	-	1,917	*	*	*

Table 2. Number of Holders Applying Inputs by Educational Status

Ethiopia

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	8,883,563	4,019,057	1,173,788	1,956,520	633,979
Literate (informal)	1,250,453	716,344	249,707	315,953	128,203
Grades 1 – 3	1,498,820	776,691	256,947	439,433	102,441
Grades 4 – 6	1,581,553	871,644	293,727	458,632	110,464
Grades 7 – 8	619,803	358,934	104,021	198,798	35,848
Grades 9 – 11	339,809	195,395	69,124	106,626	24,183
Grade 12 complete	60,804	34,847	12,965	15,082	3,205
Above grade 12	62,502	39,720	12,260	17,884	1,537
Total	14,297,306	7,012,632	2,172,538	3,508,928	1,039,859

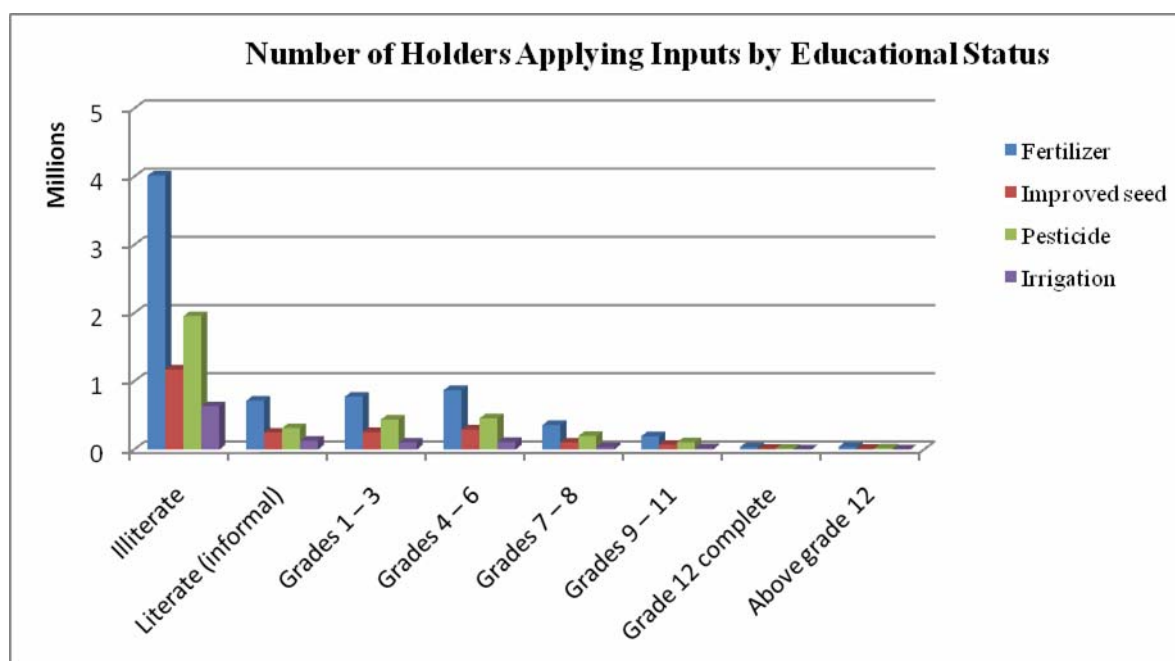


Figure 3: Number of holders applying inputs by educational level at national level

Table 2.1 Number of Holders Applying Inputs by Educational Status

Tigray Region

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	616,460	374,384	58,506	83,541	69,060
Literate (informal)	116,672	86,046	16,357	17,423	16,208
Grades 1 – 3	88,664	61,431	7,426	22,683	10,894
Grades 4 – 6	80,198	62,164	13,639	12,921	15,410
Grades 7 – 8	27,304	20,381	3,383	4,303	5,538
Grades 9 – 11	15,715	11,146	2,804	*	3,150
Grade 12 complete	2,085	*	-	-	-
Above grade 12	*	*	-	-	-
Total	948,211	616,855	102,114	143,630	120,261

Table 2.1.1 Number of Holders Applying Inputs by Educational Status

North West Tigray

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	113,133	74,000	2,813	26,714	8,226
Literate (informal)	16,814	12,557	1,352	4,113	*
Grades 1 – 3	21,302	16,738	1,402	7,981	1,414
Grades 4 – 6	15,959	13,436	*	4,630	2,216
Grades 7 – 8	3,039	2,167	-	*	*
Grades 9 – 11	1,949	1,677	*	*	*
Grade 12 complete	*	-	-	-	-
Above grade 12	-	-	-	-	-
Total	172,885	120,577	7,467	44,248	14,610

Table 2.1.2 Number of Holders Applying Inputs by Educational Status

Central Tigray

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	181,203	141,810	12,238	35,964	16,880
Literate (informal)	29,220	23,631	2,926	5,906	*
Grades 1 – 3	28,055	23,949	2,178	7,017	3,290
Grades 4 – 6	27,270	24,659	2,578	3,310	4,000
Grades 7 – 8	9,275	8,171	*	*	2,240
Grades 9 – 11	4,758	4,369	-	*	*
Grade 12 complete	*	*	-	-	-
Above grade 12	-	-	-	-	-
Total	280,497	226,946	20,635	56,941	28,261

Table 2.1.3 Number of Holders Applying Inputs by Educational Status

East Tigray

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	121,046	72,386	23,527	7,164	16,353
Literate (informal)	24,307	20,518	6,293	2,528	4,790
Grades 1 – 3	11,765	8,282	1,734	*	*
Grades 4 – 6	14,435	11,929	5,289	*	*
Grades 7 – 8	7,811	5,459	1,734	*	*
Grades 9 – 11	2,502	*	*	*	*
Grade 12 complete	-	-	-	-	-
Above grade 12	*	*	-	-	-
Total	182,175	120,121	39,826	15,282	27,457

Table 2.1.4 Number of Holders Applying Inputs by Educational Status

South Tigray

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	145,581	77,530	17,893	*	26,439
Literate (informal)	31,690	24,858	5,218	*	7,377
Grades 1 – 3	15,232	9,154	*	*	3,361
Grades 4 – 6	13,785	8,388	4,417	*	6,574
Grades 7 – 8	5,554	3,713	*	*	1,783
Grades 9 – 11	5,777	3,675	*	-	*
Grade 12 complete	*	-	-	-	-
Above grade 12	*	*	-	-	-
Total	218,762	127,953	31,583	*	47,420

Table 2.1.5 Number of Holders Applying Inputs by Educational Status

Western Tigray

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	55,498	8,658	*	7,590	*
Literate (informal)	14,642	4,482	*	4,293	*
Grades 1 – 3	12,311	3,308	-	3,976	*
Grades 4 – 6	8,748	3,752	-	2,479	*
Grades 7 – 8	1,624	871	-	*	-
Grades 9 – 11	*	*	-	-	-
Grade 12 complete	*	-	-	-	-
Above grade 12	*	-	-	-	-
Total	93,891	21,258	*	18,869	2,514

Table 2.2 Number of Holders Applying Inputs by Educational Status

Afar Region

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	20,525	*	*	*	16,831
Literate (informal)	*	*	-	*	*
Grades 1 – 3	1,101	-	-	*	1,101
Grades 4 – 6	*	-	-	*	*
Grades 7 – 8	*	-	-	-	-
Grades 9 – 11	-	-	-	-	-
Grade 12 complete	-	-	-	-	-
Above grade 12	*	*	*	*	*
Total	28,275	*	*	*	23,822

Table 2.2.1 Number of Holders Applying Inputs by Educational Status

Zone 1

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	13,346	-	*	*	12,998
Literate (informal)	*	-	-	-	*
Grades 1 – 3	*	-	-	-	*
Grades 4 – 6	*	-	-	-	*
Grades 7 – 8	-	-	-	-	-
Grades 9 – 11	-	-	-	-	-
Grade 12 complete	-	-	-	-	-
Above grade 12	-	-	-	-	-
Total	19,520	-	*	*	19,173

Table 2.2.2 Number of Holders Applying Inputs by Educational Status

Zone 3

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	7,179	*	-	*	*
Literate (informal)	*	*	-	*	*
Grades 1 – 3	*	-	-	*	*
Grades 4 – 6	*	-	-	*	*
Grades 7 – 8	*	-	-	-	-
Grades 9 – 11	-	-	-	-	-
Grade 12 complete	-	-	-	-	-
Above grade 12	*	*	*	*	*
Total	8,754	*	*	*	*

Table 2.3 Number of Holders Applying Inputs by Educational Status

Amhara Region

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	2,708,924	1,258,233	496,711	357,026	259,903
Literate (informal)	618,472	361,753	155,266	103,993	69,313
Grades 1 – 3	218,508	134,013	57,123	47,621	36,459
Grades 4 – 6	235,377	137,813	60,117	51,123	29,062
Grades 7 – 8	79,751	50,907	16,900	17,874	9,460
Grades 9 – 11	33,837	22,615	7,303	4,519	5,280
Grade 12 complete	5,993	*	*	-	*
Above grade 12	5,753	4,105	*	-	*
Total	3,906,616	1,970,860	794,602	582,156	411,465

Table 2.3.1 Number of Holders Applying Inputs by Educational Status

North Gondar

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	428,528	130,834	39,496	53,944	23,111
Literate (informal)	100,204	49,285	16,460	13,332	4,833
Grades 1 – 3	39,785	14,715	4,255	7,341	*
Grades 4 – 6	27,433	13,439	4,864	5,994	*
Grades 7 – 8	10,125	4,291	*	*	-
Grades 9 – 11	*	*	-	-	-
Grade 12 complete	-	-	-	-	-
Above grade 12	*	*	*	-	-
Total	608,545	213,798	66,296	81,218	35,849

Table 2.3.2 Number of Holders Applying Inputs by Educational Status

South Gondar

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	377,781	171,083	17,588	55,559	25,546
Literate (informal)	73,137	42,796	5,354	13,728	10,500
Grades 1 – 3	14,261	8,779	*	3,815	*
Grades 4 – 6	17,177	11,092	2,255	*	*
Grades 7 – 8	7,618	4,038	-	*	*
Grades 9 – 11	*	*	*	-	*
Grade 12 complete	*	*	-	-	*
Above grade 12	-	-	-	-	-
Total	495,167	239,520	27,424	78,211	43,430

Table 2.3.3 Number of Holders Applying Inputs by Educational Status

North Wolo

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	237,393	43,858	3,477	14,029	33,379
Literate (informal)	40,190	8,584	*	*	3,337
Grades 1 – 3	12,836	3,657	-	*	*
Grades 4 – 6	18,634	6,044	*	2,791	4,353
Grades 7 – 8	4,838	*	-	-	*
Grades 9 – 11	2,402	*	*	*	*
Grade 12 complete	*	-	-	-	-
Above grade 12	*	*	-	-	-
Total	317,311	65,472	5,308	21,797	43,994

Table 2.3.4 Number of Holders Applying Inputs by Educational Status

South Wolo

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	399,700	129,199	11,004	34,668	41,995
Literate (informal)	92,341	26,121	*	9,570	8,238
Grades 1 – 3	36,863	15,811	*	3,314	5,253
Grades 4 – 6	54,220	25,890	*	8,396	4,859
Grades 7 – 8	19,222	11,389	*	*	*
Grades 9 – 11	7,443	*	-	*	*
Grade 12 complete	*	-	-	-	-
Above grade 12	*	*	-	-	-
Total	615,931	216,145	20,324	58,004	65,666

Table 2.3.5 Number of Holders Applying Inputs by Educational Status

North Shewa

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	269,585	129,975	17,706	60,277	48,070
Literate (informal)	72,020	39,384	7,546	24,210	14,375
Grades 1 – 3	35,628	23,819	4,336	14,314	11,216
Grades 4 – 6	42,158	21,905	6,225	13,904	5,730
Grades 7 – 8	13,667	10,538	*	7,451	*
Grades 9 – 11	7,330	4,078	*	*	*
Grade 12 complete	-	-	-	-	-
Above grade 12	-	-	-	-	-
Total	440,388	229,700	38,916	120,603	81,969

Table 2.3.6 Number of Holders Applying Inputs by Educational Status

East Gojjam

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	324,176	212,365	74,574	41,450	36,208
Literate (informal)	99,766	80,368	32,303	15,266	15,351
Grades 1 – 3	30,882	28,563	12,908	6,773	5,127
Grades 4 – 6	35,229	29,002	16,311	8,502	2,236
Grades 7 – 8	10,871	8,056	5,165	*	*
Grades 9 – 11	4,680	4,680	*	*	*
Grade 12 complete	-	-	-	-	-
Above grade 12	-	-	-	-	-
Total	505,604	363,035	142,346	75,469	61,775

Table 2.3.7 Number of Holders Applying Inputs by Educational Status

West Gojjam

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	362,823	329,593	264,418	70,520	34,556
Literate (informal)	92,372	88,537	65,681	16,175	10,069
Grades 1 – 3	28,694	27,544	25,197	10,023	3,956
Grades 4 – 6	22,389	20,758	19,595	6,857	5,043
Grades 7 – 8	6,991	6,991	5,808	2,205	-
Grades 9 – 11	4,016	3,488	*	*	*
Grade 12 complete	*	*	-	-	*
Above grade 12	-	-	-	-	-
Total	517,843	477,469	382,917	107,439	55,297

Table 2.3.8 Number of Holders Applying Inputs by Educational Status

Waghamera

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	76,000	1,009	*	*	2,881
Literate (informal)	6,192	-	*	-	*
Grades 1 – 3	5,268	*	*	*	*
Grades 4 – 6	4,732	*	-	-	-
Grades 7 – 8	1,362	*	-	-	*
Grades 9 – 11	907	*	-	-	-
Grade 12 complete	-	-	-	-	-
Above grade 12	*	-	*	-	*
Total	94,696	*	1,241	*	4,276

Table 2.3.9 Number of Holders Applying Inputs by Educational Status

Awii

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	149,394	110,001	64,906	12,084	9,863
Literate (informal)	31,542	26,677	21,658	*	*
Grades 1 – 3	12,464	10,255	6,327	*	*
Grades 4 – 6	11,946	9,155	7,952	2,019	*
Grades 7 – 8	4,437	4,138	2,261	*	*
Grades 9 – 11	*	*	*	*	-
Grade 12 complete	*	*	*	-	-
Above grade 12	-	-	-	-	-
Total	212,625	162,345	105,224	21,313	13,456

Table 2.3.10 Number of Holders Applying Inputs by Educational Status

Oromia Zone

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	77,090	*	3,089	12,486	3,954
Literate (informal)	9,988	-	*	2,580	*
Grades 1 – 3	1,612	*	*	-	*
Grades 4 – 6	1,332	-	-	*	-
Grades 7 – 8	*	-	-	-	-
Grades 9 – 11	*	-	-	-	*
Grade 12 complete	*	-	-	-	-
Above grade 12	-	-	-	-	-
Total	90,970	*	4,570	15,537	5,357

Table 2.3.11 Number of Holders Applying Inputs by Educational Status

Aregoba Special Zone

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	2	-	*	1,602	340
Literate (informal)	718	-	-	216	*
Grades 1 – 3	216	-	-	*	-
Grades 4 – 6	128	-	-	*	-
Grades 7 – 8	*	-	-	*	-
Grades 9 – 11	-	-	-	-	-
Grade 12 complete	-	-	-	-	-
Above grade 12	-	-	-	-	-
Total	7,535	-	*	1,926	395

Table 2.4 Number of Holders Applying Inputs by Educational Status

Oromia Region

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	3,170,081	1,445,189	379,271	1,119,659	202,545
Literate (informal)	380,011	205,394	56,381	165,461	32,277
Grades 1 – 3	705,879	356,613	125,947	284,618	34,779
Grades 4 – 6	688,990	398,754	137,561	285,356	38,894
Grades 7 – 8	278,533	170,189	52,182	126,585	12,092
Grades 9 – 11	153,945	98,585	38,042	70,546	9,198
Grade 12 complete	26,314	18,175	7,137	9,553	*
Above grade 12	30,372	19,831	8,442	12,936	*
Total	5,434,125	2,712,729	804,963	2,074,714	330,847

Table 2.4.1 Number of Holders Applying Inputs by Educational Status

West Welega

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	129,406	46,637	9,615	24,430	1,878
Literate (informal)	7,110	*	*	*	*
Grades 1 – 3	44,534	20,109	4,676	9,928	*
Grades 4 – 6	41,101	21,398	5,003	8,334	*
Grades 7 – 8	19,771	12,632	3,407	5,559	*
Grades 9 – 11	12,028	7,405	2,144	3,304	*
Grade 12 complete	3,605	2,138	1,601	1,089	*
Above grade 12	1,063	*	-	*	-
Total	258,617	111,550	26,796	53,872	5,654

Table 2.4.2 Number of Holders Applying Inputs by Educational Status

East Welega

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	127,111	67,623	43,316	31,455	3,408
Literate (informal)	9,808	5,086	4,757	3,256	*
Grades 1 – 3	31,118	17,102	10,347	10,245	*
Grades 4 – 6	28,380	20,397	12,395	9,689	*
Grades 7 – 8	13,791	8,574	4,960	3,998	*
Grades 9 – 11	7,265	4,735	3,543	1,295	*
Grade 12 complete	1,010	*	*	*	-
Above grade 12	4,066	1,750	*	1,109	-
Total	222,550	126,061	80,726	61,297	5,910

Table 2.4.3 Number of Holders Applying Inputs by Educational Status

Illubabor

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	125,320	39,157	23,079	35,989	*
Literate (informal)	14,061	5,330	2,886	5,321	*
Grades 1 – 3	48,779	16,616	12,338	17,088	*
Grades 4 – 6	47,320	18,340	14,278	12,478	*
Grades 7 – 8	19,445	6,587	5,851	5,660	*
Grades 9 – 11	8,639	4,112	3,285	2,303	-
Grade 12 complete	*	*	*	*	-
Above grade 12	979	*	*	-	-
Total	266,305	90,564	62,516	79,098	*

Table 2.4.4 Number of Holders Applying Inputs by Educational Status

Jimma

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	391,321	168,757	93,924	229,062	*
Literate (informal)	52,981	26,862	17,013	28,178	*
Grades 1 – 3	67,491	34,050	23,994	36,728	*
Grades 4 – 6	37,239	16,625	15,894	19,464	*
Grades 7 – 8	15,731	7,451	*	8,504	*
Grades 9 – 11	10,952	5,928	*	*	-
Grade 12 complete	*	*	*	*	-
Above grade 12	-	-	-	-	-
Total	578,451	261,952	157,136	326,237	5,380

Table 2.4.5 Number of Holders Applying Inputs by Educational Status

West Shewa

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	259,960	166,180	29,336	152,912	16,417
Literate (informal)	34,709	25,944	5,651	28,147	*
Grades 1 – 3	51,078	40,979	9,856	34,960	*
Grades 4 – 6	62,019	46,323	14,264	43,091	3,212
Grades 7 – 8	29,077	22,864	*	18,901	*
Grades 9 – 11	13,757	11,347	*	7,934	-
Grade 12 complete	*	*	*	*	-
Above grade 12	*	*	*	*	*
Total	454,914	317,478	66,912	288,574	28,344

Table 2.4.6 Number of Holders Applying Inputs by Educational Status

North Shewa

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	215,754	116,417	4,327	62,594	12,072
Literate (informal)	30,986	13,680	*	8,812	*
Grades 1 – 3	24,501	17,713	*	11,067	-
Grades 4 – 6	22,827	17,190	*	11,138	*
Grades 7 – 8	6,481	4,091	*	3,329	*
Grades 9 – 11	*	*	-	*	-
Grade 12 complete	*	*	-	*	-
Above grade 12	*	*	-	-	-
Total	304,667	172,168	11,531	98,488	16,944

Table 2.4.7 Number of Holders Applying Inputs by Educational Status

East Shewa

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	163,056	117,277	7,486	97,540	8,378
Literate (informal)	27,322	22,557	2,488	15,175	*
Grades 1 – 3	37,341	27,735	4,418	24,379	1,508
Grades 4 – 6	31,198	21,913	*	19,183	*
Grades 7 – 8	14,225	9,825	1,905	7,824	*
Grades 9 – 11	6,450	5,124	*	4,084	*
Grade 12 complete	-	-	-	-	-
Above grade 12	*	*	*	*	*
Total	281,028	205,517	20,364	169,271	16,300

Table 2.4.8 Number of Holders Applying Inputs by Educational Status

Arsi

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	243,615	156,153	17,090	139,916	*
Literate (informal)	47,305	38,399	6,969	31,872	*
Grades 1 – 3	62,744	41,273	8,984	38,035	*
Grades 4 – 6	81,576	64,304	9,840	57,445	*
Grades 7 – 8	37,101	30,206	5,608	23,696	-
Grades 9 – 11	25,280	20,323	7,195	18,795	*
Grade 12 complete	1,949	1,949	*	1,949	-
Above grade 12	6,807	5,871	1,995	3,980	-
Total	506,376	358,478	58,167	315,689	6,785

Table 2.4.9 Number of Holders Applying Inputs by Educational Status

West Harerge

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	250,505	61,316	12,857	12,618	46,779
Literate (informal)	37,844	11,017	*	*	9,661
Grades 1 – 3	38,300	15,445	*	2,881	5,164
Grades 4 – 6	35,218	13,150	7,102	2,885	7,559
Grades 7 – 8	6,006	2,635	*	-	*
Grades 9 – 11	3,890	*	*	-	*
Grade 12 complete	*	-	-	-	-
Above grade 12	*	-	*	-	-
Total	373,562	104,016	26,106	22,301	71,095

Table 2.4.10 Number of Holders Applying Inputs by Educational Status

East Harerge

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	381,161	133,864	46,751	*	93,015
Literate (informal)	42,612	18,707	*	*	10,316
Grades 1 – 3	59,943	21,702	7,586	*	8,575
Grades 4 – 6	62,258	29,195	10,899	3,189	14,224
Grades 7 – 8	17,419	3,645	2,650	*	2,944
Grades 9 – 11	7,741	4,133	*	-	*
Grade 12 complete	*	*	-	-	-
Above grade 12	*	*	*	-	-
Total	576,881	215,168	72,582	8,754	130,111

Table 2.4.11 Number of Holders Applying Inputs by Educational Status

Bale

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	159,798	52,117	*	79,096	*
Literate (informal)	24,023	5,872	*	11,076	*
Grades 1 – 3	43,619	15,138	*	23,442	3,946
Grades 4 – 6	36,020	20,105	*	23,161	*
Grades 7 – 8	13,955	7,226	-	9,626	*
Grades 9 – 11	7,191	3,986	-	5,672	*
Grade 12 complete	*	*	-	*	-
Above grade 12	*	*	-	*	-
Total	285,456	105,030	3,414	152,924	12,725

Table 2.4.12 Number of Holders Applying Inputs by Educational Status

Borena

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	100,005	-	*	2,007	-
Literate (informal)	3,172	-	*	-	-
Grades 1 – 3	20,855	-	*	-	-
Grades 4 – 6	19,568	-	*	*	-
Grades 7 – 8	6,188	-	-	-	-
Grades 9 – 11	2,754	-	*	-	-
Grade 12 complete	*	-	-	-	-
Above grade 12	-	-	-	-	-
Total	152,708	-	*	2,257	-

Table 2.4.13 Number of Holders Applying Inputs by Educational Status

South West Shewa

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	164,573	131,111	13,858	107,145	*
Literate (informal)	16,803	15,747	*	13,380	*
Grades 1 – 3	36,000	32,088	6,001	27,460	*
Grades 4 – 6	32,015	27,982	4,201	21,874	*
Grades 7 – 8	16,737	15,377	2,344	13,713	*
Grades 9 – 11	7,877	5,908	*	5,214	*
Grade 12 complete	*	*	*	*	-
Above grade 12	2,165	1,349	*	1,349	-
Total	278,015	230,593	29,845	191,166	*

Table 2.4.14 Number of Holders Applying Inputs by Educational Status

Guji

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	132,591	7,806	9,276	*	*
Literate (informal)	5,212	*	-	*	*
Grades 1 – 3	43,596	1,731	*	*	*
Grades 4 – 6	38,147	3,320	3,480	*	*
Grades 7 – 8	12,182	2,714	*	*	*
Grades 9 – 11	6,555	*	*	*	-
Grade 12 complete	-	-	-	-	-
Above grade 12	*	-	-	-	-
Total	239,449	17,427	19,763	*	7,096

Table 2.4.15 Number of Holders Applying Inputs by Educational Status

Kelem

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	77,871	8,482	6,233	17,274	*
Literate (informal)	3,912	*	*	*	*
Grades 1 – 3	31,616	5,071	3,595	8,009	*
Grades 4 – 6	29,905	6,788	4,924	6,026	*
Grades 7 – 8	12,351	2,629	2,547	3,306	*
Grades 9 – 11	6,528	1,984	1,804	895	-
Grade 12 complete	*	-	-	-	-
Above grade 12	1,270	*	*	-	-
Total	163,695	25,340	19,721	36,051	*

Table 2.4.16 Number of Holders Applying Inputs by Educational Status

Horoguduru

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	66,305	46,880	25,033	27,313	*
Literate (informal)	6,874	4,930	4,473	1,947	*
Grades 1 – 3	14,054	11,769	6,974	6,819	*
Grades 4 – 6	15,737	13,610	6,188	8,154	*
Grades 7 – 8	8,372	8,058	5,608	4,414	*
Grades 9 – 11	2,816	2,509	925	1,925	*
Grade 12 complete	1,245	1,095	651	*	-
Above grade 12	*	*	*	*	-
Total	115,692	88,989	49,989	51,003	3,525

Table 2.4.17 Number of Holders Applying Inputs by Educational Status

West Arsi

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	181,728	125,412	32,458	95,099	*
Literate (informal)	15,278	10,100	2,660	11,650	-
Grades 1 – 3	50,311	38,092	13,978	30,465	-
Grades 4 – 6	68,462	58,113	20,559	38,679	*
Grades 7 – 8	29,701	25,675	9,562	15,397	-
Grades 9 – 11	22,016	17,186	7,509	13,881	-
Grade 12 complete	3,457	3,457	*	*	-
Above grade 12	4,808	*	*	*	-
Total	375,758	282,397	89,295	210,434	*

Table 2.5 Number of Holders Applying Inputs by Educational Status

Somalie Region

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	86,168	*	761	*	6,809
Literate (informal)	10,833	*	*	*	1,438
Grades 1 – 3	3,350	-	*	-	*
Grades 4 – 6	2,162	*	-	-	*
Grades 7 – 8	*	-	-	-	*
Grades 9 – 11	*	-	-	-	-
Grade 12 complete	-	-	-	-	-
Above grade 12	-	-	-	-	-
Total	102,990	*	1,237	*	9,069

Table 2.5.1 Number of Holders Applying Inputs by Educational Status

Shinele

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	6,699	*	*	*	5,767
Literate (informal)	306	-	-	-	306
Grades 1 – 3	*	-	-	-	*
Grades 4 – 6	*	*	-	-	*
Grades 7 – 8	-	-	-	-	-
Grades 9 – 11	-	-	-	-	-
Grade 12 complete	-	-	-	-	-
Above grade 12	-	-	-	-	-
Total	7,388	*	*	*	6,414

Table 2.5.2 Number of Holders Applying Inputs by Educational Status

Jijiga

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	68,995	*	*	*	-
Literate (informal)	5,432	*	*	*	-
Grades 1 – 3	2,387	-	*	-	-
Grades 4 – 6	1,117	*	-	-	-
Grades 7 – 8	-	-	-	-	-
Grades 9 – 11	*	-	-	-	-
Grade 12 complete	-	-	-	-	-
Above grade 12	-	-	-	-	-
Total	78,248	*	957	*	-

Table 2.5.3 Number of Holders Applying Inputs by Educational Status

Liben

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	10,475	-	*	-	1,043
Literate (informal)	5,096	-	-	-	*
Grades 1 – 3	809	-	-	-	*
Grades 4 – 6	*	-	-	-	*
Grades 7 – 8	*	-	-	-	*
Grades 9 – 11	-	-	-	-	-
Grade 12 complete	-	-	-	-	-
Above grade 12	-	-	-	-	-
Total	17,354	-	*	-	2,655

Table 2.6 Number of Holders Applying Inputs by Educational Status

Benishangul – Gumuz Region

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	126,902	19,296	8,725	6,586	6,236
Literate (informal)	16,392	4,573	*	1,711	*
Grades 1 – 3	21,639	5,284	950	1,046	1,204
Grades 4 – 6	23,191	4,863	1,771	700	1,675
Grades 7 – 8	8,631	1,902	*	*	*
Grades 9 – 11	4,965	905	*	*	*
Grade 12 complete	*	*	-	-	-
Above grade 12	1,431	*	-	-	-
Total	203,590	37,274	14,630	10,815	11,394

Table 2.6.1 Number of Holders Applying Inputs by Educational Status

Metekel

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	54,818	13,629	2,176	4,014	3,016
Literate (informal)	5,758	2,812	*	1,018	*
Grades 1 – 3	9,328	4,238	-	820	*
Grades 4 – 6	8,207	3,882	*	545	818
Grades 7 – 8	3,502	1,591	*	*	-
Grades 9 – 11	970	*	*	*	-
Grade 12 complete	*	*	-	-	-
Above grade 12	908	*	-	-	-
Total	83,895	27,004	3,673	6,821	4,378

Table 2.6.2 Number of Holders Applying Inputs by Educational Status

Asosa

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	52,482	4,375	5,321	*	3,009
Literate (informal)	8,820	*	*	*	*
Grades 1 – 3	6,323	778	*	*	*
Grades 4 – 6	9,799	*	*	-	*
Grades 7 – 8	3,710	*	*	*	*
Grades 9 – 11	3,004	*	*	*	*
Grade 12 complete	-	-	-	-	-
Above grade 12	*	-	-	-	-
Total	84,450	8,421	9,080	*	6,630

Table 2.6.3 Number of Holders Applying Inputs by Educational Status

Kemashi

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	9,480	*	*	*	-
Literate (informal)	978	*	-	-	-
Grades 1 – 3	4,439	*	*	-	-
Grades 4 – 6	3,839	*	*	*	-
Grades 7 – 8	1,140	-	-	-	-
Grades 9 – 11	817	-	-	-	-
Grade 12 complete	-	-	-	-	-
Above grade 12	212	-	-	-	-
Total	20,905	*	*	*	-

Table 2.6.4 Number of Holders Applying Inputs by Educational Status

Mao Komo

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	10,122	*	*	*	210
Literate (informal)	836	-	*	*	-
Grades 1 – 3	1,550	*	*	*	-
Grades 4 – 6	1,346	*	*	*	*
Grades 7 – 8	279	-	-	-	*
Grades 9 – 11	174	*	*	*	-
Grade 12 complete	*	-	-	-	-
Above grade 12	-	-	-	-	-
Total	14,341	*	*	1,021	386

Table 2.7 Number of Holders Applying Inputs by Educational Status

S.N.N.P. Region

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	2,094,912	910,409	227,087	384,753	58,376
Literate (informal)	99,228	56,950	19,584	26,369	*
Grades 1 – 3	453,418	217,900	65,124	82,928	16,561
Grades 4 – 6	541,060	266,069	80,101	108,126	22,964
Grades 7 – 8	221,137	115,151	30,407	49,355	7,691
Grades 9 – 11	127,987	61,889	20,259	28,478	5,847
Grade 12 complete	25,721	14,660	5,493	5,529	*
Above grade 12	23,156	14,303	2,855	4,833	*
Total	3,586,619	1,657,332	450,910	690,370	114,754

Table 2.7.1 Number of Holders Applying Inputs by Educational Status

Gurage

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	211,125	120,806	27,021	36,720	*
Literate (informal)	23,365	20,057	5,388	4,692	-
Grades 1 – 3	46,968	36,453	8,317	13,788	*
Grades 4 – 6	34,682	26,106	9,034	6,663	*
Grades 7 – 8	15,295	11,032	3,855	3,876	-
Grades 9 – 11	7,087	5,186	3,573	1,601	-
Grade 12 complete	*	*	*	-	-
Above grade 12	*	*	*	*	-
Total	341,041	221,399	58,328	67,883	4,724

Table 2.7.2 Number of Holders Applying Inputs by Educational Status

Hadiya

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	125,422	111,701	10,491	87,538	-
Literate (informal)	2,677	2,677	*	*	-
Grades 1 – 3	26,050	24,072	*	19,444	-
Grades 4 – 6	50,967	47,682	6,828	36,148	*
Grades 7 – 8	31,166	28,430	2,769	22,209	-
Grades 9 – 11	17,489	16,734	1,850	13,674	-
Grade 12 complete	3,844	3,844	*	3,844	-
Above grade 12	*	*	*	*	-
Total	260,771	238,296	26,476	187,895	*

Table 2.7.3 Number of Holders Applying Inputs by Educational Status

Kembata - Tembaro

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	61,119	47,939	3,171	33,618	*
Literate (informal)	*	*	*	*	-
Grades 1 – 3	11,975	10,763	1,462	7,344	-
Grades 4 – 6	28,622	23,999	*	16,692	*
Grades 7 – 8	14,856	12,853	1,157	9,744	-
Grades 9 – 11	8,610	7,787	*	6,392	-
Grade 12 complete	1,313	1,119	-	935	-
Above grade 12	2,076	1,300	-	740	-
Total	129,136	106,324	7,140	75,849	*

Table 2.7.4 Number of Holders Applying Inputs by Educational Status

Sidama

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	430,292	157,685	62,490	12,362	*
Literate (informal)	19,425	4,862	*	*	-
Grades 1 – 3	128,007	48,739	19,504	*	*
Grades 4 – 6	161,427	69,830	31,153	11,048	*
Grades 7 – 8	58,729	21,576	9,343	*	*
Grades 9 – 11	51,945	17,084	8,515	*	*
Grade 12 complete	9,511	6,462	3,810	-	-
Above grade 12	9,343	4,708	*	-	-
Total	868,680	330,946	140,512	28,161	*

Table 2.7.5 Number of Holders Applying Inputs by Educational Status

Gedio

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	121,263	8,992	9,051	*	-
Literate (informal)	4,336	1,226	*	-	-
Grades 1 – 3	27,420	1,969	*	*	-
Grades 4 – 6	43,816	5,862	7,166	*	*
Grades 7 – 8	18,992	2,969	2,324	-	*
Grades 9 – 11	8,667	1,277	*	*	-
Grade 12 complete	1,252	-	-	-	-
Above grade 12	*	-	-	-	-
Total	226,611	22,295	22,091	1,368	*

Table 2.7.6 Number of Holders Applying Inputs by Educational Status

Wolayita

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	159,580	104,346	6,208	*	*
Literate (informal)	*	*	-	-	-
Grades 1 – 3	39,955	32,769	*	*	-
Grades 4 – 6	54,663	37,068	*	*	-
Grades 7 – 8	30,868	21,625	*	*	*
Grades 9 – 11	9,548	7,001	*	*	-
Grade 12 complete	4,090	1,464	-	-	*
Above grade 12	1,443	1,443	-	-	-
Total	304,067	206,900	13,041	4,065	*

Table 2.7.7 Number of Holders Applying Inputs by Educational Status

South Omo

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	99,861	14,456	6,987	*	*
Literate (informal)	3,631	1,562	1,562	-	-
Grades 1 – 3	13,718	4,882	3,879	-	-
Grades 4 – 6	8,282	2,758	2,359	-	-
Grades 7 – 8	2,368	*	*	*	-
Grades 9 – 11	1,278	*	*	-	-
Grade 12 complete	-	-	-	-	-
Above grade 12	-	-	-	-	-
Total	129,139	24,807	15,936	1,530	*

Table 2.7.8 Number of Holders Applying Inputs by Educational Status

Sheka

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	24,482	1,728	*	*	-
Literate (informal)	918	*	-	*	-
Grades 1 – 3	4,805	396	*	*	-
Grades 4 – 6	10,772	807	*	797	*
Grades 7 – 8	4,923	*	*	*	-
Grades 9 – 11	1,288	*	*	*	-
Grade 12 complete	*	-	*	-	-
Above grade 12	*	-	-	-	-
Total	48,052	3,418	1,665	3,666	*

Table 2.7.9 Number of Holders Applying Inputs by Educational Status

Kefa

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	138,576	11,187	7,577	52,479	*
Literate (informal)	1,245	*	*	*	-
Grades 1 – 3	29,028	2,036	*	11,509	*
Grades 4 – 6	31,388	2,049	2,031	16,938	*
Grades 7 – 8	8,750	*	*	4,521	-
Grades 9 – 11	4,544	*	*	2,272	*
Grade 12 complete	*	-	-	*	-
Above grade 12	*	*	*	*	-
Total	216,040	16,408	14,197	88,903	*

Table 2.7.10 Number of Holders Applying Inputs by Educational Status

Gamo Gofa

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	236,758	104,464	24,078	9,304	12,812
Literate (informal)	4,319	*	*	*	-
Grades 1 – 3	35,835	12,273	3,290	*	*
Grades 4 – 6	38,796	15,187	6,092	*	*
Grades 7 – 8	7,555	3,237	1,561	*	*
Grades 9 – 11	6,176	*	*	-	*
Grade 12 complete	*	-	-	-	-
Above grade 12	*	*	-	-	*
Total	330,600	140,082	36,949	12,287	22,432

Table 2.7.11 Number of Holders Applying Inputs by Educational Status

Benchi - Maji

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	107,405	8,242	5,908	*	924
Literate (informal)	7,311	*	-	*	-
Grades 1 – 3	15,774	*	*	*	-
Grades 4 – 6	18,217	1,978	1,516	*	-
Grades 7 – 8	6,586	923	*	*	-
Grades 9 – 11	3,197	*	*	-	-
Grade 12 complete	*	-	-	-	-
Above grade 12	*	-	-	-	-
Total	159,287	16,945	8,779	*	924

Table 2.7.12 Number of Holders Applying Inputs by Educational Status

Yem Special Wereda

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	10,863	8,632	3,975	6,112	232
Literate (informal)	369	233	*	232	-
Grades 1 – 3	3,195	2,600	831	1,902	-
Grades 4 – 6	3,579	2,893	553	2,068	*
Grades 7 – 8	931	698	*	553	*
Grades 9 – 11	833	506	*	600	-
Grade 12 complete	*	*	*	*	-
Above grade 12	*	*	*	-	-
Total	19,956	15,749	6,099	11,560	326

Table 2.7.13 Number of Holders Applying Inputs by Educational Status

Amaro Special Wereda

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	20,973	3,247	*	*	8,558
Literate (informal)	2,367	*	-	-	*
Grades 1 – 3	8,781	1,674	*	*	3,716
Grades 4 – 6	10,820	3,310	*	*	5,471
Grades 7 – 8	3,860	1,514	*	-	2,708
Grades 9 – 11	2,598	836	*	*	1,467
Grade 12 complete	*	*	-	-	*
Above grade 12	-	-	-	-	-
Total	49,985	11,090	*	*	22,609

Table 2.7.14 Number of Holders Applying Inputs by Educational Status

Burji Special Wereda

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	5,721	1,213	*	410	282
Literate (informal)	215	*	*	-	*
Grades 1 – 3	1,450	408	*	*	*
Grades 4 – 6	1,716	418	-	194	*
Grades 7 – 8	497	148	-	*	*
Grades 9 – 11	330	*	*	*	*
Grade 12 complete	*	*	-	-	-
Above grade 12	102	-	-	-	-
Total	10,054	2,377	201	884	1,020

Table 2.7.15 Number of Holders Applying Inputs by Educational Status

Konso Special Wereda

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	39,397	*	*	627	*
Literate (informal)	529	*	-	-	-
Grades 1 – 3	4,451	*	-	-	611
Grades 4 – 6	3,523	*	-	-	*
Grades 7 – 8	1,691	-	-	-	-
Grades 9 – 11	*	*	-	-	-
Grade 12 complete	*	-	-	-	-
Above grade 12	*	-	-	-	-
Total	50,625	3,082	*	627	*

Table 2.7.16 Number of Holders Applying Inputs by Educational Status

Derashe Special Wereda

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	20,287	*	*	546	343
Literate (informal)	399	-	-	-	-
Grades 1 – 3	3,289	*	*	*	*
Grades 4 – 6	2,228	*	*	*	*
Grades 7 – 8	484	*	*	*	-
Grades 9 – 11	*	-	-	-	-
Grade 12 complete	*	-	-	-	-
Above grade 12	*	-	-	-	-
Total	26,972	*	*	1,008	462

Table 2.7.17 Number of Holders Applying Inputs by Educational Status

Dawro

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	46,124	17,873	2,941	3,280	*
Literate (informal)	4,471	1,983	*	1,127	-
Grades 1 – 3	12,296	4,139	1,087	1,466	-
Grades 4 – 6	10,531	4,032	978	*	*
Grades 7 – 8	5,367	1,603	*	*	-
Grades 9 – 11	1,769	1,043	-	*	*
Grade 12 complete	*	*	-	-	*
Above grade 12	*	*	-	*	-
Total	81,400	31,356	5,564	7,156	*

Table 2.7.18 Number of Holders Applying Inputs by Educational Status

Basketo Special Wereda

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	12,079	1,593	1,419	*	*
Literate (informal)	648	*	*	-	*
Grades 1 – 3	2,162	261	*	-	*
Grades 4 – 6	2,344	325	371	*	*
Grades 7 – 8	674	*	*	-	*
Grades 9 – 11	673	*	*	-	-
Grade 12 complete	*	-	-	-	-
Above grade 12	*	-	-	-	-
Total	18,722	2,403	2,238	*	*

Table 2.7.19 Number of Holders Applying Inputs by Educational Status

Konta Special Wereda

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	23,121	6,673	1,663	4,508	*
Literate (informal)	1,823	*	-	*	-
Grades 1 – 3	5,024	1,643	*	1,502	-
Grades 4 – 6	2,802	771	*	*	-
Grades 7 – 8	1,027	675	*	*	-
Grades 9 – 11	*	*	*	*	-
Grade 12 complete	-	-	-	-	-
Above grade 12	-	-	-	-	-
Total	34,153	10,460	2,256	7,589	*

Table 2.7.20 Number of Holders Applying Inputs by Educational Status

Silitie

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	157,558	142,462	39,340	102,552	5,018
Literate (informal)	15,138	13,679	5,555	10,379	*
Grades 1 – 3	24,194	22,031	10,870	16,932	*
Grades 4 – 6	16,513	15,811	5,206	11,550	*
Grades 7 – 8	5,199	5,199	3,409	3,758	*
Grades 9 – 11	*	*	-	*	-
Grade 12 complete	*	*	*	*	*
Above grade 12	*	*	-	*	-
Total	220,692	201,273	64,718	146,202	10,879

Table 2.7.21 Number of Holders Applying Inputs by Educational Status

Alaba Special Wereda

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	42,908	34,410	13,208	24,795	-
Literate (informal)	1,557	1,557	*	715	-
Grades 1 – 3	9,041	8,437	5,389	4,450	-
Grades 4 – 6	5,372	5,065	2,424	2,881	-
Grades 7 – 8	1,317	1,178	750	*	-
Grades 9 – 11	*	*	*	*	-
Grade 12 complete	-	-	-	-	-
Above grade 12	-	-	-	-	-
Total	60,636	51,088	22,495	33,441	-

Table 2.8 Number of Holders Applying Inputs by Educational Status

Gambella Region

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	26,927	-	*	*	*
Literate (informal)	1,177	-	-	*	-
Grades 1 – 3	3,387	-	-	*	-
Grades 4 – 6	5,607	-	-	*	*
Grades 7 – 8	3,147	-	-	*	-
Grades 9 – 11	2,584	-	-	-	-
Grade 12 complete	155	-	-	-	-
Above grade 12	451	-	-	-	-
Total	43,436	-	*	1,197	164

Table 2.8.1 Number of Holders Applying Inputs by Educational Status

Agnuwak

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	7,553	-	*	*	*
Literate (informal)	*	-	-	*	-
Grades 1 – 3	490	-	-	-	-
Grades 4 – 6	1,622	-	-	-	-
Grades 7 – 8	902	-	-	*	-
Grades 9 – 11	599	-	-	-	-
Grade 12 complete	*	-	-	-	-
Above grade 12	*	-	-	-	-
Total	11,534	-	*	*	*

Table 2.8.2 Number of Holders Applying Inputs by Educational Status

Nuware

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	8,930	-	-	-	-
Literate (informal)	-	-	-	-	-
Grades 1 – 3	360	-	-	-	-
Grades 4 – 6	598	-	-	-	*
Grades 7 – 8	316	-	-	-	-
Grades 9 – 11	569	-	-	-	-
Grade 12 complete	*	-	-	-	-
Above grade 12	*	-	-	-	-
Total	11,062	-	-	-	*

Table 2.8.3 Number of Holders Applying Inputs by Educational Status

Mezhenger

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	6,372	-	*	236	*
Literate (informal)	878	-	-	*	-
Grades 1 – 3	2,259	-	-	*	-
Grades 4 – 6	2,945	-	-	*	-
Grades 7 – 8	1,438	-	-	*	-
Grades 9 – 11	558	-	-	-	-
Grade 12 complete	-	-	-	-	-
Above grade 12	-	-	-	-	-
Total	14,450	-	*	519	*

Table 2.8.4 Number of Holders Applying Inputs by Educational Status

Itang Special

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	4,073	-	-	*	-
Literate (informal)	*	-	-	-	-
Grades 1 – 3	278	-	-	-	-
Grades 4 – 6	442	-	-	-	*
Grades 7 – 8	491	-	-	-	-
Grades 9 – 11	858	-	-	-	-
Grade 12 complete	86	-	-	-	-
Above grade 12	135	-	-	-	-
Total	6,390	-	-	*	*

Table 2.9 Number of Holders Applying Inputs by Educational Status

Harari Region

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	16,013	8,504	447	1,753	3,316
Literate (informal)	1,652	1,249	*	252	404
Grades 1 – 3	1,756	1,400	*	393	342
Grades 4 – 6	1,953	1,436	243	-	*
Grades 7 – 8	450	260	*	*	*
Grades 9 – 11	298	195	-	-	*
Grade 12 complete	*	*	-	-	-
Above grade 12	*	*	-	-	-
Total	22,327	13,250	965	2,439	4,410

Table 2.10 Number of Holders Applying Inputs by Educational Status

Dire Dawa

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	16,650	766	1,546	*	10,806
Literate (informal)	464	*	-	-	358
Grades 1 – 3	1,119	*	*	-	788
Grades 4 – 6	2,126	*	*	*	1,217
Grades 7 – 8	601	*	*	*	346
Grades 9 – 11	*	*	*	-	*
Grade 12 complete	-	-	-	-	-
Above grade 12	-	-	-	-	-
Total	21,118	1,250	2,268	*	13,674

Table 3 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	9,829,311	2,042,233	845,309	211,104	108,476	36,326	42,998	164,876
Crop disease	24,715	*	*	*	*	*	*	*
Frost or floods	3,298,309	446,714	196,859	45,299	25,012	7,989	7,993	22,782
Locust	653,827	91,985	41,994	15,350	5,016	1,657	1,625	6,306
Shortage of rain	414,885	32,850	12,787	4,431	1,551	445	804	1,792
Too much rain	3,707,309	404,885	155,268	44,340	16,953	7,848	9,301	46,403
Wild animals	188,158	11,676	5,431	906	*	*	208	924
Birds	1,008,616	110,013	45,773	7,611	10,762	3,094	2,742	9,926
Hailstone	2,315,580	421,988	168,659	47,064	15,107	5,820	8,077	29,044
Pests	712,475	68,433	33,618	6,417	3,038	1,114	2,933	4,714
Weeds	1,937,601	179,519	74,711	15,033	12,289	2,803	3,931	15,599
Others	2,707,840	269,475	107,113	24,384	17,902	5,458	5,354	27,155

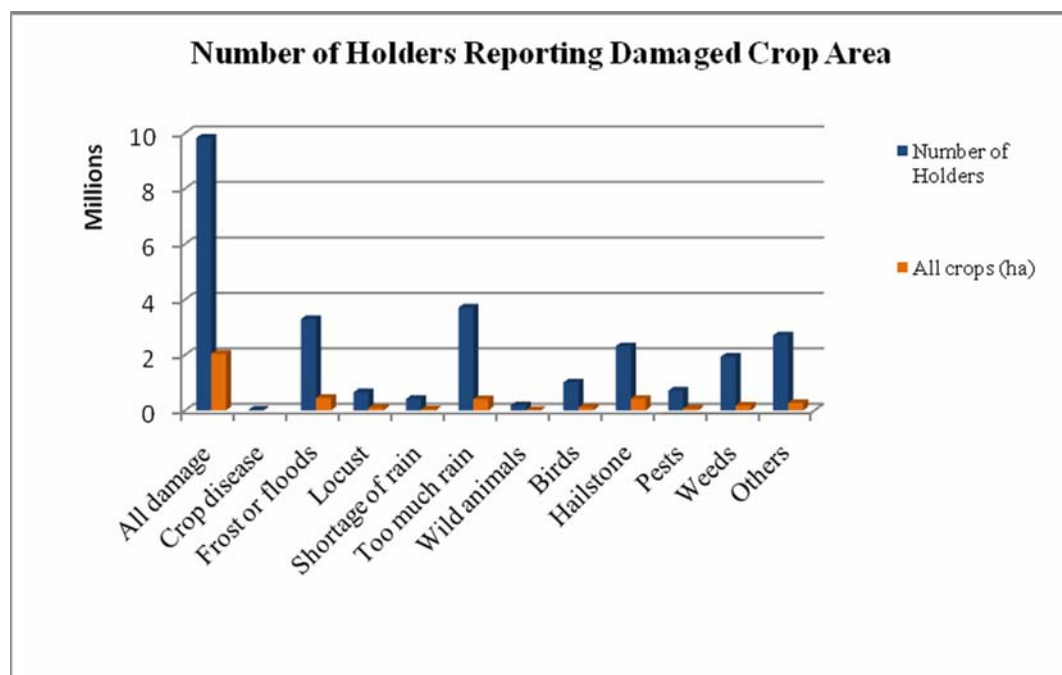


Figure 4: Number of holders reporting damaged crop area, at country level

Table 3.1 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Tigray Region

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	496,693	80,477	45,642	4,768	5,985	*	1,348	*
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	170,420	20,467	9,416	1,040	1,815	*	532	*
Locust	49,619	5,754	3,413	*	*	*	*	*
Shortage of rain	10,586	344	152	*	*	*	-	*
Too much rain	132,952	11,751	6,062	866	1,010	*	244	*
Wild animals	*	*	*	-	*	-	-	*
Birds	65,014	6,253	3,084	196	1,012	*	-	*
Hailstone	80,997	9,146	6,427	641	*	*	*	*
Pests	54,074	6,753	4,285	*	*	-	*	*
Weeds	114,745	10,140	6,216	550	*	*	*	*
Others	114,447	9,183	6,240	365	378	80	*	221

Table 3.1.1 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

North West Tigray

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	71,094	10,645	5,481	735	1,013	259	*	*
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	13,592	1,168	823	*	*	*	-	*
Locust	*	*	*	-	*	-	-	*
Shortage of rain	*	*	*	-	*	-	-	-
Too much rain	22,283	2,533	978	*	549	*	-	*
Wild animals	-	-	-	-	-	-	-	-
Birds	11,139	1,228	487	*	*	*	-	-
Hailstone	3,043	*	*	*	*	-	-	*
Pests	3,380	367	*	-	*	-	-	-
Weeds	29,468	3,362	*	*	*	*	*	*
Others	20,381	1,614	723	*	*	*	-	*

Table 3.1.2 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Central Tigray

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	170,564	26,595	18,311	1,137	801	*	*	*
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	38,714	3,692	2,375	*	*	*	*	*
Locust	22,903	1,878	*	*	*	-	*	*
Shortage of rain	*	*	*	-	-	*	-	-
Too much rain	67,829	5,271	3,361	151	*	*	*	*
Wild animals	*	*	*	-	-	-	-	*
Birds	19,229	1,693	1,124	*	*	-	-	*
Hailstone	29,345	*	*	*	*	-	-	*
Pests	12,506	*	346	*	*	-	*	*
Weeds	51,942	4,062	2,528	*	*	*	*	*
Others	42,628	3,658	2,979	*	*	*	-	*

Table 3.1.3 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

East Tigray

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	88,479	10,578	3,885	374	*	66	*	*
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	48,438	4,497	1,719	166	-	*	*	*
Locust	*	*	*	*	-	-	-	-
Shortage of rain	*	*	*	*	-	-	-	-
Too much rain	16,643	1,041	232	*	-	*	-	*
Wild animals	*	*	-	-	-	-	-	-
Birds	6,748	297	151	-	-	*	-	-
Hailstone	31,121	2,229	708	*	*	*	-	*
Pests	8,195	*	*	*	-	-	-	*
Weeds	13,441	710	*	*	-	-	-	-
Others	18,210	877	372	*	-	*	-	*

Table 3.1.4 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

South Tigray

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	115,063	21,337	14,392	2,410	1,173	*	*	293
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	35,197	4,301	2,909	*	*	*	*	-
Locust	16,526	2,832	1,545	*	*	*	-	-
Shortage of rain	*	*	*	*	-	-	-	*
Too much rain	21,860	2,014	923	*	*	-	*	*
Wild animals	-	-	-	-	-	-	-	-
Birds	17,238	1,115	806	*	*	*	-	*
Hailstone	17,313	*	*	*	*	-	*	*
Pests	29,484	4,492	3,361	*	*	-	*	*
Weeds	15,889	1,718	1,186	*	*	-	*	-
Others	24,528	2,534	*	*	*	-	*	*

Table 3.1.5 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Western Tigray

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	51,493	11,322	3,572	*	2,847	*	*	*
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	34,479	6,809	1,590	*	1,253	*	*	-
Locust	*	*	*	*	-	-	-	-
Shortage of rain	*	*	*	-	-	-	-	-
Too much rain	4,338	*	*	*	*	-	*	-
Wild animals	*	*	*	-	*	-	-	-
Birds	10,660	1,920	515	*	*	*	-	-
Hailstone	*	*	*	-	-	-	-	-
Pests	*	*	*	-	*	-	-	-
Weeds	4,005	*	*	*	*	-	-	-
Others	8,700	500	*	-	185	*	*	*

Table 3.2 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Afar Region

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	5,510	*	*	*	*	*	-	*
Crop disease	*	*	-	-	-	-	-	-
Frost or floods	871	56	-	*	*	-	-	-
Locust	-	-	-	-	-	-	-	-
Shortage of rain	-	-	-	-	-	-	-	-
Too much rain	*	*	*	*	*	-	-	*
Wild animals	*	*	-	-	-	*	-	-
Birds	*	*	*	-	-	-	-	-
Hailstone	*	*	*	*	*	*	-	*
Pests	*	*	*	*	*	-	-	-
Weeds	*	*	*	*	*	*	-	*
Others	*	*	*	*	*	-	-	*

Table 3.2.1 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Zone 1

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	*	*	-	-	-	-	-	-
Crop disease	*	*	-	-	-	-	-	-
Frost or floods	*	*	-	-	-	-	-	-
Locust	-	-	-	-	-	-	-	-
Shortage of rain	-	-	-	-	-	-	-	-
Too much rain	-	-	-	-	-	-	-	-
Wild animals	-	-	-	-	-	-	-	-
Birds	-	-	-	-	-	-	-	-
Hailstone	-	-	-	-	-	-	-	-
Pests	-	-	-	-	-	-	-	-
Weeds	*	*	-	-	-	-	-	-
Others	-	-	-	-	-	-	-	-

Table 3.2.2 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Zone 3

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	5,173	*	*	*	*	*	-	*
Crop disease	*	*	-	-	-	-	-	-
Frost or floods	757	56	-	*	*	-	-	-
Locust	-	-	-	-	-	-	-	-
Shortage of rain	-	-	-	-	-	-	-	-
Too much rain	*	*	*	*	*	-	-	*
Wild animals	*	*	-	-	-	*	-	-
Birds	*	*	*	-	-	-	-	-
Hailstone	*	*	*	*	*	*	-	*
Pests	*	*	*	*	*	-	-	-
Weeds	*	*	*	*	*	*	-	*
Others	*	*	*	*	*	-	-	*

Table 3.3 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Amhara Region

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	2,961,204	734,422	338,194	107,176	55,236	16,153	16,921	19,121
Crop disease	7,529	375	187	*	*	*	-	-
Frost or floods	1,078,963	182,712	85,530	21,928	*	2,975	3,036	3,023
Locust	364,657	56,741	25,614	11,998	3,500	1,097	1,066	1,611
Shortage of rain	148,414	14,259	4,629	3,321	853	*	*	436
Too much rain	1,029,724	128,882	55,587	18,472	7,894	3,325	3,118	2,515
Wild animals	58,955	2,873	1,859	236	*	*	*	*
Birds	293,749	33,195	15,386	2,938	6,152	1,017	*	472
Hailstone	800,675	121,383	56,653	24,666	7,760	3,188	3,242	3,746
Pests	404,967	37,355	19,297	4,111	1,362	*	*	1,526
Weeds	641,223	68,330	34,085	6,661	*	1,145	1,619	2,851
Others	870,191	88,318	39,366	12,815	6,532	2,613	1,930	2,915

Table 3.3.1 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

North Gondar

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	481,355	186,469	98,198	22,514	26,350	8,013	*	*
Crop disease	*	*	-	-	-	*	-	-
Frost or floods	149,330	*	*	*	*	*	*	*
Locust	61,235	13,490	7,108	4,296	*	*	*	-
Shortage of rain	*	*	*	*	-	-	-	*
Too much rain	108,810	14,832	5,502	784	*	*	*	*
Wild animals	4,201	*	*	-	*	-	-	-
Birds	91,093	13,256	5,492	*	*	*	*	*
Hailstone	180,260	42,943	18,038	11,361	1,655	1,998	*	*
Pests	55,275	5,874	3,721	529	*	*	*	*
Weeds	74,053	*	*	*	*	426	*	*
Others	167,010	17,733	8,224	1,209	*	873	*	*

Table 3.3.2 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

South Gondar

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	415,568	100,648	53,207	22,728	4,117	2,093	4,282	*
Crop disease	*	*	*	-	-	-	-	-
Frost or floods	167,135	23,244	10,665	5,934	848	*	553	*
Locust	66,801	5,880	2,379	1,393	*	*	*	*
Shortage of rain	*	*	*	*	*	-	-	-
Too much rain	159,924	17,520	9,815	3,619	1,020	*	596	*
Wild animals	10,041	*	*	*	*	-	-	-
Birds	51,149	4,606	2,721	936	*	*	*	*
Hailstone	127,845	24,373	14,623	5,889	*	*	843	*
Pests	60,949	6,662	2,392	745	*	*	*	*
Weeds	67,065	4,152	2,052	943	*	*	*	*
Others	122,698	12,422	7,409	2,817	*	*	*	*

Table 3.3.3 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

North Wolo

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	244,014	59,886	23,494	7,181	2,390	282	*	1,467
Crop disease	*	*	-	-	-	-	-	-
Frost or floods	131,201	31,145	9,937	2,822	*	*	*	278
Locust	26,290	3,286	1,892	*	*	*	*	*
Shortage of rain	16,236	*	*	*	*	*	*	*
Too much rain	55,380	3,483	1,493	557	*	*	*	*
Wild animals	9,774	394	232	*	*	-	*	*
Birds	12,672	*	*	*	*	-	*	*
Hailstone	56,778	4,520	2,038	260	*	*	*	209
Pests	52,413	4,622	2,593	*	*	*	*	*
Weeds	55,891	5,191	2,092	557	*	*	*	*
Others	42,285	4,801	2,393	1,072	*	-	*	*

Table 3.3.4 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

South Wolo

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	468,729	80,556	32,241	9,814	2,610	*	*	3,970
Crop disease	*	*	-	-	-	-	-	-
Frost or floods	232,479	26,877	8,361	2,378	*	*	*	*
Locust	*	*	*	*	*	-	-	*
Shortage of rain	21,852	1,325	*	*	*	*	-	*
Too much rain	171,898	15,981	7,471	1,976	380	-	*	*
Wild animals	15,375	*	*	*	*	-	-	-
Birds	30,984	1,614	901	*	-	*	-	-
Hailstone	157,528	12,833	5,005	1,918	*	*	*	*
Pests	91,952	4,833	2,496	*	*	-	*	*
Weeds	105,062	6,611	2,618	955	*	-	*	*
Others	73,619	4,647	998	*	*	*	-	*

Table 3.3.4 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

North Shewa

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	362,878	101,729	38,128	14,361	7,764	*	2,207	4,718
Crop disease	*	*	-	*	-	-	-	-
Frost or floods	97,204	10,336	3,017	2,584	*	*	*	*
Locust	30,944	2,754	747	*	*	*	*	*
Shortage of rain	44,317	6,106	1,405	1,377	*	*	*	*
Too much rain	187,904	37,518	14,084	4,993	1,138	*	487	613
Wild animals	6,609	113	*	*	-	*	-	-
Birds	34,731	4,107	1,343	*	*	*	*	*
Hailstone	92,377	16,412	7,451	1,411	*	*	*	*
Pests	28,602	2,348	1,189	*	*	-	-	*
Weeds	119,599	9,692	4,765	833	*	*	170	1,452
Others	116,621	12,280	4,084	2,264	*	*	*	272

Table 3.3.6 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

East Gojjam

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	368,881	76,579	38,119	15,126	2,639	1,026	2,078	2,453
Crop disease	*	*	-	*	-	-	-	-
Frost or floods	121,329	13,683	6,897	2,567	*	*	*	*
Locust	53,119	*	3,492	1,291	*	*	*	*
Shortage of rain	32,199	2,961	1,155	*	*	*	*	-
Too much rain	165,731	22,099	10,814	4,935	596	*	*	*
Wild animals	6,665	*	*	*	*	-	*	*
Birds	21,415	2,185	*	347	*	*	-	*
Hailstone	91,358	8,875	4,210	2,669	349	*	*	*
Pests	50,133	5,305	3,543	*	223	*	*	*
Weeds	65,222	5,797	2,458	706	*	*	*	*
Others	97,078	7,153	3,732	1,093	*	*	*	386

Table 3.3.7 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

West Gojjam

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	344,833	63,840	26,289	9,056	2,742	1,169	1,826	1,294
Crop disease	*	*	*	-	-	-	-	-
Frost or floods	107,114	11,556	5,589	2,297	*	*	*	*
Locust	52,107	*	*	*	*	*	*	*
Shortage of rain	*	*	-	-	-	-	*	-
Too much rain	111,074	10,448	3,616	962	*	*	*	*
Wild animals	*	*	*	-	*	-	-	-
Birds	19,979	2,241	443	*	*	*	*	-
Hailstone	39,138	3,196	*	*	*	-	*	*
Pests	30,048	2,763	962	*	*	-	*	*
Weeds	85,578	5,012	1,765	538	466	*	*	*
Others	154,581	16,741	7,748	1,811	*	*	*	*

Table 3.3.8 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Waghamera

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	74,738	18,060	10,133	2,867	1,751	*	*	*
Crop disease	*	*	*	*	*	-	-	-
Frost or floods	27,825	3,379	1,473	642	182	*	*	*
Locust	6,738	727	*	*	*	-	*	-
Shortage of rain	*	*	*	*	-	*	*	-
Too much rain	13,181	1,405	*	*	*	*	*	*
Wild animals	*	*	*	*	*	-	-	-
Birds	17,918	2,478	1,792	367	*	-	*	-
Hailstone	26,768	4,148	2,789	383	540	*	*	*
Pests	13,899	1,520	609	*	*	*	*	-
Weeds	14,215	1,488	1,037	78	*	*	*	*
Others	20,331	2,393	1,151	357	363	*	*	*

Table 3.3.9 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Awii

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	118,807	28,557	10,170	2,673	*	*	*	*
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	22,108	3,588	1,351	*	*	*	*	-
Locust	21,983	4,281	*	*	*	*	*	*
Shortage of rain	*	*	*	-	-	-	-	-
Too much rain	44,915	4,740	1,810	*	*	*	*	*
Wild animals	*	*	*	-	*	*	-	*
Birds	9,065	1,149	370	*	*	-	*	-
Hailstone	5,951	1,075	247	-	*	*	*	-
Pests	5,551	831	*	*	*	-	-	-
Weeds	25,522	3,532	1,442	*	*	*	-	*
Others	64,707	9,303	3,365	*	*	*	*	*

Table 3.3.10 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Oromia Zone

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	75,420	16,874	7,639	814	1,109	*	*	1,390
Crop disease	*	*	-	-	-	-	-	-
Frost or floods	22,342	4,233	2,360	*	*	-	*	*
Locust	15,368	1,318	499	*	*	-	-	395
Shortage of rain	*	*	*	*	-	-	-	-
Too much rain	9,726	728	305	*	*	-	*	*
Wild animals	*	*	*	-	-	-	-	*
Birds	4,397	429	141	-	*	-	-	*
Hailstone	20,171	2,674	721	136	*	*	-	*
Pests	13,393	2,250	1,301	*	*	-	*	*
Weeds	27,494	4,376	2,040	*	210	-	*	285
Others	10,946	818	244	*	24	-	*	*

Table 3.3.11 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Argoba Special Zone

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	5,981	1,226	577	42	114	17	-	52
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	894	116	24	-	9	*	-	*
Locust	132	*	*	*	-	-	-	-
Shortage of rain	72	*	*	-	-	-	-	-
Too much rain	1,182	127	55	*	17	*	-	-
Wild animals	129	*	*	-	-	-	-	-
Birds	345	21	13	-	*	-	-	-
Hailstone	2,501	334	123	7	57	*	-	*
Pests	2,751	349	205	13	11	*	-	*
Weeds	1,522	214	117	*	13	*	-	*
Others	317	29	*	*	*	-	-	*

Table 3.4 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Oromia Region

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	3,833,766	958,251	365,900	82,182	40,208	11,992	16,232	112,102
Crop disease	9,298	845	*	*	-	*	*	*
Frost or floods	1,096,744	175,870	75,244	18,097	8,675	2,382	1,389	13,853
Locust	180,690	26,575	12,538	2,410	994	*	*	3,918
Shortage of rain	134,886	13,215	6,349	656	*	207	319	1,040
Too much rain	1,576,105	228,971	83,880	22,322	7,449	3,097	4,758	34,473
Wild animals	55,647	3,499	1,189	534	*	*	152	*
Birds	419,616	54,069	21,779	3,761	2,075	*	1,795	7,658
Hailstone	1,046,300	230,021	80,486	17,985	6,678	1,881	3,409	21,926
Pests	154,625	16,513	6,999	925	879	269	*	1,226
Weeds	772,791	78,639	28,653	6,647	3,123	795	1,676	9,550
Others	1,046,816	130,035	48,446	8,643	9,588	1,851	2,203	17,754

Table 3.4.1 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

West Welega

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	194,180	35,693	7,105	1,609	2,127	892	459	7,913
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	49,283	4,791	1,115	*	*	*	*	526
Locust	9,465	*	*	*	*	-	*	*
Shortage of rain	*	*	*	-	-	-	-	*
Too much rain	114,994	11,062	2,011	*	555	183	30	2,801
Wild animals	*	*	*	-	-	*	-	*
Birds	17,794	1,342	*	*	*	-	*	*
Hailstone	12,523	909	*	-	*	*	*	*
Pests	2,912	221	*	-	*	-	-	*
Weeds	81,387	7,873	1,435	*	526	90	*	1,743
Others	87,699	8,413	2,231	122	656	264	*	1,509

Table 3.4.2 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

East Welega

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	172,159	39,795	12,714	1,673	6,223	948	243	2,482
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	32,224	3,408	1,080	*	622	*	*	*
Locust	5,838	*	*	*	*	*	-	*
Shortage of rain	*	*	*	-	*	-	-	-
Too much rain	91,108	9,682	2,892	354	1,554	*	*	723
Wild animals	*	*	*	-	-	-	-	-
Birds	30,644	4,231	1,317	*	*	*	*	*
Hailstone	5,206	292	172	*	-	*	-	*
Pests	12,058	1,279	*	*	*	*	*	*
Weeds	48,933	5,706	2,288	*	555	*	*	308
Others	88,161	13,288	4,232	*	1,963	167	*	730

Table 3.4.3 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Illubabor

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	220,570	60,917	19,343	3,412	2,827	370	837	24,096
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	66,432	8,973	4,438	*	*	-	*	2,089
Locust	16,470	*	*	*	*	-	-	*
Shortage of rain	9,977	*	*	*	*	*	*	93
Too much rain	110,216	15,414	3,796	1,047	*	*	*	7,220
Wild animals	*	*	*	*	*	-	*	*
Birds	30,379	2,588	970	*	*	*	*	868
Hailstone	50,146	9,333	2,214	*	*	*	*	*
Pests	7,805	902	349	*	*	-	-	168
Weeds	41,618	*	*	88	*	*	*	*
Others	108,317	14,930	5,299	698	1,273	*	*	4,706

Table 3.4.4 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Jimma

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	424,332	97,945	35,742	*	3,806	*	*	27,543
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	185,420	25,781	8,082	*	*	*	*	5,553
Locust	*	*	*	*	-	-	-	*
Shortage of rain	*	*	*	*	-	-	-	*
Too much rain	228,236	32,060	9,871	*	*	*	*	*
Wild animals	*	*	*	-	-	*	-	*
Birds	52,543	4,910	*	-	*	*	*	2,011
Hailstone	39,624	5,427	*	*	*	-	-	*
Pests	11,176	*	*	*	*	-	-	*
Weeds	38,909	2,543	1,378	*	-	*	-	*
Others	167,848	22,149	8,557	*	*	*	*	4,944

Table 3.4.5 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

West Shewa

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	328,619	91,857	37,195	*	2,171	1,793	1,476	2,624
Crop disease	*	*	*	*	-	-	-	-
Frost or floods	105,163	17,941	6,411	*	*	*	*	*
Locust	10,295	1,418	*	*	*	*	-	*
Shortage of rain	20,158	1,495	*	*	*	-	*	-
Too much rain	130,741	21,021	6,198	*	*	*	562	531
Wild animals	8,047	*	*	*	-	-	*	*
Birds	46,786	*	*	*	*	*	*	-
Hailstone	50,342	*	*	*	*	*	-	*
Pests	22,461	2,519	1,097	*	*	-	*	-
Weeds	64,706	10,337	*	*	*	*	*	*
Others	127,917	16,842	7,928	2,020	*	416	*	*

Table 3.4.6 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

North Shewa

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	230,663	94,136	38,422	11,092	2,274	*	*	*
Crop disease	*	*	*	-	-	-	-	-
Frost or floods	44,976	9,699	2,291	*	*	*	-	-
Locust	28,139	*	*	*	-	-	-	*
Shortage of rain	13,307	1,886	*	*	-	*	-	*
Too much rain	123,380	41,960	14,100	5,530	*	*	-	*
Wild animals	2,485	*	*	*	*	-	-	-
Birds	47,319	8,633	4,085	*	*	*	*	*
Hailstone	57,695	9,467	5,990	1,173	*	*	*	*
Pests	12,963	1,890	1,082	*	-	-	*	-
Weeds	31,528	2,105	*	*	*	*	*	*
Others	69,272	9,717	2,930	*	*	-	*	*

Table 3.4.7 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

East Shewa

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	138,057	39,487	23,801	6,410	-	*	*	*
Crop disease	*	*	*	-	-	*	-	-
Frost or floods	25,045	3,971	2,486	*	-	-	-	*
Locust	*	*	*	*	-	-	-	-
Shortage of rain	3,809	310	233	*	-	-	-	-
Too much rain	31,845	5,212	2,311	*	-	*	-	*
Wild animals	1,251	*	*	*	-	-	-	-
Birds	10,125	1,477	551	*	-	*	-	-
Hailstone	36,970	*	*	1,829	-	*	-	-
Pests	8,030	*	*	*	-	-	-	-
Weeds	24,632	2,989	1,590	720	-	*	-	*
Others	43,237	6,449	3,470	988	-	*	*	-

Table 3.4.8 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Arsi

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	345,692	102,049	63,563	8,164	4,020	*	727	*
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	147,788	29,140	15,668	3,016	*	*	*	*
Locust	19,253	*	*	*	*	-	-	*
Shortage of rain	*	*	*	-	-	-	-	-
Too much rain	129,584	33,839	21,586	2,735	*	*	*	*
Wild animals	*	*	*	*	-	-	*	-
Birds	11,276	987	728	-	-	-	-	*
Hailstone	72,943	22,078	15,188	*	*	-	*	*
Pests	9,005	*	*	*	-	*	-	*
Weeds	54,122	6,428	4,026	*	*	-	*	*
Others	41,338	3,958	2,874	376	-	*	*	*

Table 3.4.9 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage
West Harerge

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	324,086	75,837	17,653	5,391	896	813	4,594	8,776
Crop disease	*	*	-	-	-	-	*	-
Frost or floods	54,756	5,861	1,204	*	*	*	420	958
Locust	26,870	1,727	*	*	*	*	*	*
Shortage of rain	16,306	*	*	*	-	-	*	*
Too much rain	130,756	10,057	2,723	604	*	*	577	1,518
Wild animals	7,893	1,076	*	*	-	-	*	*
Birds	32,058	3,133	290	*	*	*	*	363
Hailstone	211,136	31,976	7,034	2,535	286	*	1,674	2,824
Pests	18,403	997	*	*	*	*	*	*
Weeds	129,333	16,342	4,367	*	*	*	973	1,740
Others	32,879	3,368	1,170	*	*	-	*	*

Table 3.4.10 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage
East Harerge

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	463,520	71,366	19,734	3,125	4,652	*	2,999	13,059
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	80,764	5,528	1,734	*	*	*	*	973
Locust	*	*	*	-	-	-	*	*
Shortage of rain	6,999	*	*	*	-	-	*	-
Too much rain	175,756	11,753	2,691	*	*	*	*	3,762
Wild animals	*	*	*	*	-	-	*	*
Birds	53,087	7,065	*	*	*	-	*	*
Hailstone	256,622	33,256	10,385	1,383	1,809	*	882	4,418
Pests	9,689	291	*	*	-	-	*	*
Weeds	109,939	6,198	2,005	198	*	-	178	1,340
Others	75,134	6,141	1,071	*	*	-	*	668

Table 3.4.11 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage
Bale

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	201,734	80,485	20,073	2,297	*	*	*	8,830
Crop disease	*	*	*	-	-	-	-	*
Frost or floods	58,955	18,910	7,629	*	*	-	-	*
Locust	*	*	*	-	-	-	-	-
Shortage of rain	2,589	*	*	-	-	-	-	*
Too much rain	20,527	3,386	*	*	*	-	-	405
Wild animals	1,335	*	*	-	-	-	-	*
Birds	16,687	2,439	494	-	-	-	-	981
Hailstone	117,769	48,675	8,872	1,014	*	*	*	5,134
Pests	1,667	*	*	-	-	-	-	-
Weeds	24,219	3,640	1,100	*	*	*	*	784
Others	21,211	2,489	427	*	*	-	-	*

Table 3.4.12 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Borena

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	83,828	16,938	2,633	2,464	-	*	*	1,531
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	*	*	*	-	-	-	-	*
Locust	-	-	-	-	-	-	-	-
Shortage of rain	*	*	-	-	-	-	-	*
Too much rain	33,921	2,171	*	*	-	*	*	985
Wild animals	-	-	-	-	-	-	-	-
Birds	*	*	-	-	-	-	*	*
Hailstone	40,840	13,471	1,775	2,163	-	-	*	*
Pests	*	*	-	-	-	-	-	*
Weeds	9,258	*	*	*	-	*	*	*
Others	*	*	*	-	-	-	-	*

Table 3.4.13 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

South West Shewa

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	195,566	39,823	20,530	8,576	*	1,522	388	906
Crop disease	*	*	-	*	-	-	-	-
Frost or floods	87,193	16,624	9,049	3,920	*	*	*	*
Locust	20,497	2,679	1,543	*	*	*	-	-
Shortage of rain	10,923	925	*	*	-	*	-	-
Too much rain	64,574	4,842	2,261	792	*	*	*	245
Wild animals	*	*	*	*	-	-	-	*
Birds	26,992	3,832	2,328	851	*	*	-	-
Hailstone	24,072	2,970	1,445	*	-	*	*	*
Pests	12,057	1,595	650	268	-	*	-	*
Weeds	29,263	1,445	*	*	-	*	*	*
Others	54,543	4,548	2,146	*	*	*	*	*

Table 3.4.14 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Guji

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	135,918	26,284	6,949	3,360	*	726	*	5,190
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	29,242	3,253	934	*	-	*	*	*
Locust	*	*	-	-	-	*	-	*
Shortage of rain	1,583	*	*	*	-	*	-	*
Too much rain	35,964	1,709	254	*	*	*	*	885
Wild animals	-	-	-	-	-	-	-	-
Birds	*	*	*	-	-	*	-	*
Hailstone	32,522	13,269	3,190	*	-	*	*	*
Pests	*	*	*	-	-	-	-	*
Weeds	25,681	1,255	*	*	-	*	-	*
Others	29,922	4,056	*	*	*	*	*	*

Table 3.4.15 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Kelem

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	86,715	13,719	4,051	*	615	*	*	*
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	26,534	2,196	1,029	*	*	*	*	404
Locust	1,746	*	*	-	*	-	-	-
Shortage of rain	8,367	*	*	*	*	*	-	*
Too much rain	28,637	2,804	784	*	*	*	*	678
Wild animals	*	*	*	-	*	-	-	*
Birds	7,360	637	227	*	*	*	-	*
Hailstone	8,554	*	*	*	*	*	-	*
Pests	5,062	267	*	*	*	*	-	*
Weeds	14,328	1,032	577	*	*	*	-	*
Others	35,302	3,359	761	*	*	*	*	725

Table 3.4.16 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Horoguduru

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	72,517	20,506	9,024	1,326	4,966	*	*	*
Crop disease	*	*	*	-	-	-	-	-
Frost or floods	15,052	2,180	704	*	585	*	-	*
Locust	*	*	*	*	*	-	-	*
Shortage of rain	9,153	1,094	557	*	*	-	*	*
Too much rain	31,486	3,542	1,667	306	543	*	*	*
Wild animals	*	*	*	*	-	-	-	*
Birds	6,461	861	537	*	*	-	-	-
Hailstone	5,337	794	315	*	*	-	-	-
Pests	10,129	1,372	638	*	195	-	-	*
Weeds	13,240	1,485	849	*	340	-	*	*
Others	35,093	8,385	3,335	274	2,703	*	*	*

Table 3.4.117 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

West Arsi

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	215,608	51,414	27,368	2,331	*	*	2,664	*
Crop disease	*	*	*	*	-	-	-	-
Frost or floods	82,519	17,122	11,034	1,006	-	*	*	*
Locust	*	*	*	-	-	-	-	*
Shortage of rain	*	*	*	*	*	*	-	-
Too much rain	94,381	18,456	9,116	*	*	-	1,813	*
Wild animals	*	*	*	-	-	-	*	-
Birds	17,177	*	*	*	*	-	*	*
Hailstone	23,999	*	*	*	-	-	*	-
Pests	*	890	569	-	-	-	-	-
Weeds	31,694	*	*	*	-	*	*	-
Others	25,555	1,831	1,016	*	-	*	*	-

Table 3.5 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Somalie

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	80,710	34,662	13,503	*	*	*	*	1,265
Crop disease	*	*	*	-	-	-	-	-
Frost or floods	*	*	-	-	-	-	*	*
Locust	*	*	*	-	*	-	-	-
Shortage of rain	-	-	-	-	-	-	-	-
Too much rain	*	*	*	-	*	*	*	-
Wild animals	7,149	2,597	*	*	-	-	-	*
Birds	*	*	*	-	*	-	-	*
Hailstone	54,523	22,236	8,415	*	*	*	*	1,175
Pests	*	*	-	-	-	-	-	-
Weeds	15,705	4,668	*	-	*	*	*	*
Others	*	*	*	-	-	-	*	*

Table 3.5.1 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Shinele

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	5,820	1,170	234	-	*	*	*	*
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	*	*	-	-	-	-	*	*
Locust	-	-	-	-	-	-	-	-
Shortage of rain	-	-	-	-	-	-	-	-
Too much rain	*	*	*	-	*	*	*	-
Wild animals	*	*	*	-	-	-	-	-
Birds	*	*	-	-	*	-	-	*
Hailstone	2,241	*	*	-	-	*	*	*
Pests	*	*	-	-	-	-	-	-
Weeds	3,334	568	92	-	-	*	*	*
Others	358	*	*	-	-	-	*	*

Table 3.5.2 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Jijiga

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	64,731	30,948	12,226	*	*	*	*	1,197
Crop disease	*	*	*	-	-	-	-	-
Frost or floods	-	-	-	-	-	-	-	-
Locust	*	*	*	-	*	-	-	-
Shortage of rain	-	-	-	-	-	-	-	-
Too much rain	-	-	-	-	-	-	-	-
Wild animals	6,856	2,587	*	-	-	-	-	*
Birds	*	*	*	-	-	-	-	-
Hailstone	43,151	19,289	7,258	*	*	*	-	1,147
Pests	-	-	-	-	-	-	-	-
Weeds	12,028	4,074	*	-	*	-	*	*
Others	*	*	*	-	-	-	-	*

Table 3.5.3 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage
Liben

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	10,159	2,543	*	*	-	-	-	*
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	-	-	-	-	-	-	-	-
Locust	-	-	-	-	-	-	-	-
Shortage of rain	-	-	-	-	-	-	-	-
Too much rain	-	-	-	-	-	-	-	-
Wild animals	*	*	-	*	-	-	-	-
Birds	*	*	-	-	-	-	-	*
Hailstone	9,131	2,441	*	-	-	-	-	*
Pests	-	-	-	-	-	-	-	-
Weeds	*	*	-	-	-	-	-	-
Others	*	*	-	-	-	-	-	-

Table 3.6 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage
Benishangul – Gumuz Region

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	133,614	24,353	5,895	1,363	5,780	1,737	520	2,835
Crop disease	*	*	*	-	*	*	-	*
Frost or floods	32,030	4,110	1,117	279	1,192	*	*	361
Locust	3,459	*	*	*	*	*	*	*
Shortage of rain	5,704	150	*	*	*	*	-	*
Too much rain	33,525	2,228	363	*	535	243	65	289
Wild animals	1,458	26	*	-	*	-	-	*
Birds	44,714	5,456	1,415	184	1,455	*	107	582
Hailstone	8,274	406	*	*	*	*	*	*
Pests	4,444	865	*	*	*	*	-	*
Weeds	49,534	5,706	1,341	282	865	*	176	856
Others	44,292	4,930	1,301	*	1,088	249	108	365

Table 3.6.1 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage
Metekel

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	50,665	13,183	3,138	604	3,901	1,059	123	1,299
Crop disease	*	*	-	-	-	*	-	-
Frost or floods	15,438	2,824	839	*	1,079	*	*	*
Locust	1,328	*	-	*	*	*	*	*
Shortage of rain	*	*	*	*	-	-	-	*
Too much rain	4,969	664	*	*	*	*	*	*
Wild animals	*	*	-	-	*	-	-	*
Birds	15,764	2,534	547	*	717	*	*	*
Hailstone	774	*	-	-	*	-	-	-
Pests	3,622	*	*	*	*	*	-	*
Weeds	13,879	3,102	857	145	*	*	*	*
Others	19,350	2,949	783	*	752	184	*	*

Table 3.6.2 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Asosa

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	60,888	7,124	1,434	476	1,133	*	277	1,343
Crop disease	*	*	*	-	*	-	-	*
Frost or floods	13,562	765	157	*	38	*	*	*
Locust	*	*	*	*	*	-	-	*
Shortage of rain	*	*	*	*	*	*	-	*
Too much rain	22,118	969	132	*	*	*	*	*
Wild animals	1,121	*	*	-	-	-	-	*
Birds	22,549	1,909	428	*	532	-	*	330
Hailstone	6,939	*	*	*	*	*	*	*
Pests	632	*	-	*	*	-	-	*
Weeds	27,664	1,884	278	*	*	*	*	375
Others	19,930	914	188	*	124	*	*	152

Table 3.6.3 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Kemashi

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	11,746	3,045	1,065	223	598	391	*	*
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	1,883	*	*	*	*	*	*	*
Locust	-	-	-	-	-	-	-	-
Shortage of rain	*	*	-	-	*	-	-	-
Too much rain	2,213	375	136	*	*	*	*	*
Wild animals	-	-	-	-	-	-	-	-
Birds	5,096	929	410	*	203	*	*	*
Hailstone	*	*	*	*	*	*	-	-
Pests	*	*	*	-	-	-	-	-
Weeds	1,319	195	*	*	*	*	*	-
Others	4,374	*	326	*	196	*	*	*

Table 3.6.4 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Mao Komo Zone

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	10,315	1,000	259	60	147	*	31	137
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	1,146	54	15	*	*	-	*	*
Locust	*	*	*	-	*	-	-	*
Shortage of rain	*	*	*	-	-	-	-	*
Too much rain	4,224	220	63	*	27	-	*	*
Wild animals	*	*	*	-	-	-	-	-
Birds	1,305	85	30	*	*	-	*	10
Hailstone	*	*	-	-	-	-	-	-
Pests	*	*	-	-	-	-	-	-
Weeds	6,672	526	124	*	85	*	*	68
Others	638	37	*	*	*	-	-	*

Table 3.7 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

S.N.N.P. Region

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	2,268,851	203,371	75,000	15,221	978	4,256	7,747	24,777
Crop disease	*	*	*	*	-	-	-	*
Frost or floods	914,768	63,326	25,501	3,928	275	944	2,968	5,247
Locust	51,777	2,202	233	*	-	*	*	*
Shortage of rain	115,079	4,868	1,624	394	-	125	*	266
Too much rain	912,646	31,398	9,028	2,384	*	1,021	1,074	7,727
Wild animals	58,190	1,955	581	130	-	*	40	262
Birds	173,867	9,396	3,675	531	*	*	335	1,029
Hailstone	305,749	37,135	16,151	3,498	*	680	1,274	1,657
Pests	91,047	6,725	2,902	*	*	*	338	*
Weeds	328,128	10,604	3,728	868	*	275	298	1,250
Others	614,989	35,617	11,484	2,357	*	660	952	5,670

Table 3.7.1 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Gurage

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	270,248	21,027	8,833	1,075	-	830	*	1,262
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	152,992	8,693	3,846	460	-	*	*	*
Locust	*	*	-	-	-	-	-	*
Shortage of rain	*	*	*	*	-	*	*	*
Too much rain	120,410	3,602	1,437	*	-	*	*	271
Wild animals	4,995	*	*	*	-	-	-	-
Birds	26,749	1,925	*	*	-	*	*	*
Hailstone	7,435	*	*	*	-	*	-	-
Pests	2,694	*	*	-	-	-	-	-
Weeds	45,180	1,357	*	*	-	*	-	*
Others	78,271	2,893	1,219	*	-	*	*	*

Table 3.7.2 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Hadiya

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	178,770	22,804	11,101	1,034	*	427	191	745
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	110,203	11,937	5,671	428	*	204	*	257
Locust	2,624	*	*	-	-	-	-	-
Shortage of rain	19,474	690	*	*	-	*	*	*
Too much rain	52,794	3,300	1,553	437	*	*	*	*
Wild animals	7,127	82	*	*	-	-	*	*
Birds	10,316	416	*	-	-	-	-	*
Hailstone	17,635	*	*	*	*	-	*	*
Pests	7,016	*	*	-	-	*	-	-
Weeds	14,084	467	162	-	-	-	-	*
Others	62,298	4,148	2,067	*	*	*	*	*

Table 3.7.3 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Kembata - Tembaro

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	88,813	4,954	2,056	181	*	34	403	318
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	31,679	1,424	593	73	-	*	105	111
Locust	3,441	54	*	-	-	-	-	*
Shortage of rain	11,565	*	*	*	-	*	*	*
Too much rain	34,446	923	280	17	-	*	76	*
Wild animals	2,860	*	*	-	-	-	*	-
Birds	5,635	*	*	*	-	-	*	*
Hailstone	*	*	*	*	-	-	-	-
Pests	*	*	*	-	-	*	*	-
Weeds	6,466	228	*	*	-	-	*	*
Others	40,139	1,512	662	84	*	*	76	111

Table 3.7.4 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Sidama

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	480,873	27,280	4,159	2,082	-	650	2,375	7,881
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	144,788	8,039	1,359	*	-	*	*	1,542
Locust	*	*	*	-	-	*	*	*
Shortage of rain	*	*	-	*	-	*	-	-
Too much rain	193,500	6,244	920	309	-	*	333	2,433
Wild animals	*	*	-	-	-	-	-	-
Birds	15,906	502	-	-	-	*	*	151
Hailstone	10,084	113	-	*	-	-	*	*
Pests	*	*	*	*	-	*	*	*
Weeds	77,544	1,235	203	*	-	*	*	461
Others	132,674	8,472	1,350	606	-	*	*	2,136

Table 3.7.5 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Gedio

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	105,305	4,840	992	*	-	39	128	2,840
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	15,069	535	*	-	-	*	*	234
Locust	*	*	*	-	-	-	-	*
Shortage of rain	*	*	-	-	-	-	-	*
Too much rain	80,613	3,138	*	*	-	*	*	2,172
Wild animals	-	-	-	-	-	-	-	-
Birds	1,405	*	-	-	-	-	*	*
Hailstone	*	*	-	-	-	*	-	-
Pests	*	*	*	-	-	-	-	*
Weeds	21,981	279	*	-	-	*	-	134
Others	13,602	547	*	*	-	*	*	136

Table 3.7.6 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Wolayita

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	180,334	10,089	1,540	1,067	-	*	1,401	1,050
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	63,614	3,021	524	*	-	*	512	175
Locust	*	*	*	*	-	*	*	*
Shortage of rain	22,544	*	*	*	-	*	*	*
Too much rain	63,428	1,104	225	*	-	*	105	156
Wild animals	9,943	218	*	*	-	*	*	*
Birds	5,203	264	*	-	-	-	*	*
Hailstone	32,647	1,286	109	*	-	*	57	*
Pests	6,958	359	*	*	-	-	*	*
Weeds	18,214	317	*	*	-	*	*	*
Others	59,361	2,062	300	*	-	*	349	350

Table 3.7.7 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

South Omo

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	75,545	12,468	4,868	958	*	*	338	235
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	15,095	*	*	*	-	*	*	*
Locust	*	*	-	-	-	-	-	-
Shortage of rain	*	*	*	*	-	-	-	-
Too much rain	11,671	*	*	*	-	-	*	*
Wild animals	*	*	*	*	-	-	-	-
Birds	2,224	74	*	*	-	-	-	*
Hailstone	46,942	9,922	3,844	*	*	*	272	*
Pests	*	*	*	-	-	-	-	-
Weeds	6,203	196	*	*	-	-	*	-
Others	4,585	*	*	*	-	-	-	*

Table 3.7.8 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Sheka

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	32,170	3,240	564	203	*	*	*	1,231
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	15,084	900	132	98	-	*	*	160
Locust	*	*	-	-	-	-	*	*
Shortage of rain	*	*	*	-	-	-	-	*
Too much rain	19,324	1,362	177	*	*	*	*	789
Wild animals	2,044	147	*	*	-	-	*	*
Birds	7,049	272	81	*	-	*	*	112
Hailstone	*	*	*	*	-	-	*	*
Pests	*	*	*	*	-	-	*	*
Weeds	2,629	*	*	*	*	*	-	*
Others	6,736	391	84	*	-	-	*	117

Table 3.7.9 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Keffa

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	143,540	17,808	6,474	2,829	*	271	388	3,012
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	77,912	7,210	2,830	1,124	*	*	*	880
Locust	*	*	*	-	-	*	*	-
Shortage of rain	8,648	782	351	*	-	-	*	*
Too much rain	70,276	2,182	668	656	*	*	*	321
Wild animals	5,701	*	*	*	-	-	-	*
Birds	30,432	1,910	724	221	-	*	*	*
Hailstone	7,400	294	*	*	-	*	-	*
Pests	6,004	287	*	*	-	-	*	*
Weeds	21,812	440	98	55	-	*	*	*
Others	45,681	4,335	1,575	462	*	*	*	1,058

Table 3.7.10 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Gamo Gofa

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	247,798	27,229	9,744	1,218	*	*	1,318	2,520
Crop disease	*	*	*	*	-	-	-	*
Frost or floods	119,820	6,562	1,959	*	*	-	266	*
Locust	-	-	-	-	-	-	-	-
Shortage of rain	2,171	*	-	*	-	-	-	*
Too much rain	80,067	1,605	435	71	-	-	70	*
Wild animals	7,456	304	*	-	-	-	*	*
Birds	26,794	1,971	492	*	*	-	*	*
Hailstone	68,668	10,334	4,734	*	-	*	*	*
Pests	13,589	984	*	*	*	-	*	*
Weeds	29,517	809	306	*	-	*	*	*
Others	59,068	4,481	1,169	*	*	-	114	*

Table 3.7.11 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Bench - Maji

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	65,407	2,612	652	32	*	*	139	672
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	6,368	283	*	-	-	*	-	75
Locust	*	*	-	-	-	-	-	*
Shortage of rain	*	*	-	-	-	-	*	*
Too much rain	34,199	642	*	*	-	*	55	*
Wild animals	1,953	*	*	-	-	-	*	*
Birds	12,925	412	*	*	-	*	*	*
Hailstone	5,347	199	73	*	-	*	*	*
Pests	*	*	-	-	-	-	-	*
Weeds	5,437	*	*	-	-	-	*	*
Others	15,166	658	204	*	*	-	*	106

Table 3.7.12 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Yem Special Wereda

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	16,760	2,888	1,567	394	*	*	68	321
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	10,568	1,196	710	82	*	*	*	122
Locust	*	*	*	-	-	-	-	-
Shortage of rain	*	*	*	-	-	-	-	-
Too much rain	10,738	585	265	79	*	*	*	*
Wild animals	417	*	*	-	-	-	-	*
Birds	942	31	*	*	-	-	*	*
Hailstone	2,121	141	*	*	*	-	*	*
Pests	233	11	10	-	-	-	-	*
Weeds	1,722	*	*	*	*	-	*	*
Others	6,998	766	402	170	*	*	*	34

Table 3.7.13 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Amaro Special Wereda

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	30,758	2,614	943	288	-	-	*	481
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	*	21	*	*	-	-	-	*
Locust	-	-	-	-	-	-	-	-
Shortage of rain	*	*	-	-	-	-	-	-
Too much rain	18,864	466	79	*	-	-	*	82
Wild animals	-	-	-	-	-	-	-	-
Birds	*	*	*	*	-	-	-	*
Hailstone	19,418	2,036	821	260	-	-	*	388
Pests	-	-	-	-	-	-	-	-
Weeds	*	*	*	-	-	-	-	-
Others	*	*	*	-	-	-	-	*

Table 3.7.14 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Burji Special Wereda

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	7,511	3,066	1,035	708	-	*	*	143
Crop disease	*	*	*	-	-	-	-	-
Frost or floods	*	*	*	*	-	-	-	*
Locust	-	-	-	-	-	-	-	-
Shortage of rain	*	*	-	*	-	-	-	-
Too much rain	598	34	*	*	-	-	*	*
Wild animals	123	*	*	*	-	-	-	*
Birds	256	18	*	*	-	-	-	*
Hailstone	7,218	2,726	914	654	-	*	*	119
Pests	-	-	-	-	-	-	-	-
Weeds	870	197	65	*	-	*	-	*
Others	277	34	*	*	-	-	-	-

Table 3.7.15 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Konso Special Wereda

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	25,330	3,929	2,082	277	-	*	*	207
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	439	*	-	*	-	-	-	*
Locust	*	*	-	-	-	-	-	-
Shortage of rain	-	-	-	-	-	-	-	-
Too much rain	*	*	*	*	-	-	*	*
Wild animals	*	34	*	-	-	-	-	*
Birds	*	*	-	-	-	-	-	-
Hailstone	20,174	3,059	1,758	176	-	*	*	126
Pests	*	*	*	*	-	-	-	-
Weeds	5,867	594	218	*	-	-	*	*
Others	864	*	*	*	-	-	-	-

Table 3.7.16 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Derashe Special Wereda

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	17,123	2,896	1,715	296	-	*	*	*
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	835	35	*	*	-	-	-	*
Locust	-	-	-	-	-	-	-	-
Shortage of rain	*	*	-	-	-	-	-	*
Too much rain	5,780	*	*	*	-	*	*	*
Wild animals	675	*	*	-	-	-	-	-
Birds	269	*	-	*	-	-	-	*
Hailstone	8,715	1,540	1,115	135	-	*	*	*
Pests	*	*	*	*	-	-	-	-
Weeds	3,319	*	135	*	-	-	-	*
Others	3,424	164	*	*	-	*	*	*

Table 3.7.17 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Dawro

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	61,429	6,827	3,235	513	*	47	306	992
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	22,488	2,578	1,506	137	*	*	126	285
Locust	-	-	-	-	-	-	-	-
Shortage of rain	431	*	*	*	-	-	*	*
Too much rain	42,024	1,456	493	100	*	*	104	*
Wild animals	1,501	53	*	*	-	-	-	-
Birds	8,810	421	139	*	*	*	*	*
Hailstone	6,994	*	*	*	-	*	-	*
Pests	3,213	252	*	*	-	-	*	*
Weeds	5,793	275	159	*	*	*	*	*
Others	13,289	1,020	380	123	*	*	*	134

Table 3.7.18 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Basketo Special Wereda

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	11,911	912	205	16	*	4	49	102
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	7,249	219	64	*	*	*	16	34
Locust	-	-	-	-	-	-	-	-
Shortage of rain	*	*	*	-	-	-	-	-
Too much rain	4,034	114	*	*	-	*	6	23
Wild animals	489	8	-	*	-	-	*	*
Birds	723	*	*	*	*	-	*	-
Hailstone	1,807	*	*	-	-	*	*	*
Pests	*	*	*	-	-	*	*	*
Weeds	1,537	*	*	*	*	-	*	*
Others	2,206	79	*	*	*	-	*	11

Table 3.7.19 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Konta Special Wereda

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	22,704	1,532	473	305	-	*	154	138
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	10,694	544	160	*	-	*	75	64
Locust	*	*	-	-	-	-	-	*
Shortage of rain	*	*	-	-	-	*	*	-
Too much rain	11,827	393	106	*	-	*	*	*
Wild animals	526	*	*	*	-	-	*	-
Birds	5,053	305	118	*	-	*	14	*
Hailstone	1,429	*	*	*	-	*	*	*
Pests	*	*	*	*	-	-	*	*
Weeds	4,922	66	*	*	-	*	*	7
Others	4,118	147	*	35	-	*	*	*

Table 3.7.20 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Siltie

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	167,784	19,483	9,788	1,161	-	679	*	435
Crop disease	*	*	-	-	-	-	-	-
Frost or floods	97,082	8,532	5,015	*	-	179	*	244
Locust	*	*	*	-	-	-	-	*
Shortage of rain	10,846	276	*	*	-	-	-	*
Too much rain	46,819	2,194	777	*	-	*	-	*
Wild animals	6,672	*	*	*	-	-	-	*
Birds	6,680	*	*	*	-	-	-	*
Hailstone	27,599	*	*	*	-	*	-	*
Pests	10,868	*	*	*	-	*	-	-
Weeds	48,148	2,921	1,528	341	-	113	-	*
Others	48,152	2,094	841	*	-	*	-	49

Table 3.7.21 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Alaba Special Wereda

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	38,737	4,872	2,973	*	*	669	*	75
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	11,167	844	476	*	-	*	-	*
Locust	*	*	*	-	-	*	-	-
Shortage of rain	*	*	*	*	-	*	-	*
Too much rain	9,797	615	396	*	*	*	-	*
Wild animals	*	*	*	-	-	*	-	-
Birds	5,499	324	191	*	-	*	-	*
Hailstone	9,572	*	*	*	-	*	-	*
Pests	4,347	449	224	*	-	*	-	*
Weeds	5,330	*	*	*	-	*	-	-
Others	17,411	1,174	726	*	-	*	*	*

Table 3.8 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Gambella Region

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	15,736	1,124	240	*	*	*	74	281
Crop disease	*	*	-	-	-	-	-	-
Frost or floods	2,669	109	40	*	*	*	*	7
Locust	-	-	-	-	-	-	-	-
Shortage of rain	*	*	-	-	-	-	*	-
Too much rain	4,320	367	105	-	-	*	*	156
Wild animals	293	*	*	-	-	-	-	*
Birds	3,862	147	25	*	*	*	*	36
Hailstone	2,567	112	*	*	*	*	*	22
Pests	263	*	*	*	-	*	*	*
Weeds	3,234	250	*	*	*	*	*	*
Others	2,874	102	36	*	*	-	*	23

Table 3.8.1 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Agnuwak

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	4,590	453	73	*	*	*	*	31
Crop disease	*	*	-	-	-	-	-	-
Frost or floods	560	59	*	*	*	-	*	*
Locust	-	-	-	-	-	-	-	-
Shortage of rain	*	*	-	-	-	-	*	-
Too much rain	*	*	-	-	-	-	*	-
Wild animals	293	*	*	-	-	-	-	*
Birds	672	56	*	*	*	-	*	*
Hailstone	948	60	*	*	*	*	*	*
Pests	229	*	*	*	-	*	*	*
Weeds	1,607	*	6	*	*	*	*	*
Others	1,116	65	*	*	-	-	*	*

Table 3.8.2 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Nuware

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	*	*	*	-	-	*	-	-
Crop disease	*	*	-	-	-	-	-	-
Frost or floods	*	*	-	-	-	-	-	-
Locust	-	-	-	-	-	-	-	-
Shortage of rain	-	-	-	-	-	-	-	-
Too much rain	-	-	-	-	-	-	-	-
Wild animals	-	-	-	-	-	-	-	-
Birds	*	*	*	-	-	*	-	-
Hailstone	*	*	-	-	-	-	-	-
Pests	-	-	-	-	-	-	-	-
Weeds	*	*	*	-	-	-	-	-
Others	-	-	-	-	-	-	-	-

Table 3.8.3 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Mezhenger

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	6,391	531	152	-	-	*	*	242
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	1,328	29	17	-	-	*	*	4
Locust	-	-	-	-	-	-	-	-
Shortage of rain	-	-	-	-	-	-	-	-
Too much rain	4,276	364	105	-	-	*	*	156
Wild animals	-	-	-	-	-	-	-	-
Birds	1,463	56	16	-	-	-	*	31
Hailstone	*	*	-	-	-	-	*	*
Pests	*	*	-	-	-	-	-	*
Weeds	786	*	*	-	-	-	*	*
Others	1,681	35	14	-	-	-	*	13

Table 3.8.4 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Itang Special

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	1,467	57	6	*	*	*	*	*
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	*	*	*	-	-	-	-	*
Locust	-	-	-	-	-	-	-	-
Shortage of rain	-	-	-	-	-	-	-	-
Too much rain	-	-	-	-	-	-	-	-
Wild animals	-	-	-	-	-	-	-	-
Birds	*	*	*	-	*	*	*	*
Hailstone	341	23	*	*	*	-	*	*
Pests	-	-	-	-	-	-	-	-
Weeds	*	*	*	-	-	-	-	-
Others	77	2	-	-	*	-	*	*

Table 3.9 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Harari Region

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	17,318	1,756	307	-	33	*	55	612
Crop disease	*	*	-	-	-	-	-	-
Frost or floods	981	34	*	-	*	-	-	*
Locust	1,341	*	*	-	*	-	-	*
Shortage of rain	180	*	-	-	*	-	-	*
Too much rain	7,747	624	120	-	*	-	27	226
Wild animals	-	-	-	-	-	-	-	-
Birds	*	*	*	-	-	-	-	*
Hailstone	8,161	470	76	-	10	*	15	179
Pests	*	*	*	-	-	-	*	*
Weeds	3,147	142	*	-	*	-	*	*
Others	4,072	299	45	-	*	-	*	80

Table 3.10 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

Dire Dawa

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	15,909	1,813	270	110	*	*	*	165
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	777	26	*	-	-	-	-	-
Locust	*	*	*	*	-	-	*	*
Shortage of rain	-	-	-	-	-	-	-	-
Too much rain	7,966	447	102	*	-	*	15	65
Wild animals	*	*	*	-	-	-	-	-
Birds	656	*	*	-	-	-	*	-
Hailstone	5,300	542	*	*	-	*	*	50
Pests	1,472	97	*	*	-	-	*	*
Weeds	5,905	323	29	*	*	*	*	*
Others	4,186	220	*	*	-	*	*	*

Table 4. Number of Holders by Type of Farm practice

Ethiopia	
Farm Practice	Number of Holders Reporting
Crop rotation	11,584,163
Reasons for not participating in extension package	
Ignorance	1,408,009
Shortage of money	3,644,914
Suspicion on efficacy	1,018,843
Programs unavailable	1,788,619
Insufficient arable land	1,744,194
Others	1,037,439
Use of services	
Credit	3,345,025
Advisory	9,057,338
Reasons for not using credit service	
Service unavailable	1,884,195
Failure to pay the loan	4,530,934
Inadequate service	2,908,900
Ignorance	728,437
No return	429,900
Others	1,151,523
Reasons for not using advisory service	
Service unavailable	1,208,102
Inadequate service	2,827,899
Ignorance	1,186,401
No return	201,885
Others	495,439
Supplier of fertilizers	
Government	3,466,180
Private organizations	942,973
Traders	1,271,510
Others	1,265,658

Table 4.1 Number of Holders by Type of Farm practice

Tigray Region	
Farm Practice	Number of Holders Reporting
Crop rotation	899,562
Reasons for not participating in extension package	
Ignorance	67,420
Shortage of money	134,064
Suspicion on efficacy	67,907
Programs unavailable	27,958
Insufficient arable land	54,387
Others	40,047
Use of services	
Credit	553,493
Advisory	839,645
Reasons for not using credit service	
Service unavailable	21,098
Failure to pay the loan	291,243
Inadequate service	19,314
Ignorance	23,810
No return	12,112
Others	73,102
Reasons for not using advisory service	
Service unavailable	9,869
Inadequate service	25,241
Ignorance	57,233
No return	14,511
Others	47,672
Supplier of fertilizers	
Government	430,081
Private organizations	128,617
Traders	15,752
Others	38,411

Table 4.1.1 Number of Holders by Type of Farm practice

North West Tigray

Farm Practice	Number of Holders Reporting
Crop rotation	164,264
Reasons for not participating in extension package	
Ignorance	21,125
Shortage of money	31,862
Suspicion on efficacy	21,032
Programs unavailable	4,047
Insufficient arable land	7,850
Others	*
Use of services	
Credit	88,630
Advisory	150,402
Reasons for not using credit service	
Service unavailable	1,715
Failure to pay the loan	68,578
Inadequate service	*
Ignorance	8,498
No return	2,018
Others	6,634
Reasons for not using advisory service	
Service unavailable	2,267
Inadequate service	4,133
Ignorance	12,130
No return	*
Others	5,508
Supplier of fertilizers	
Government	93,566
Private organizations	21,736
Traders	3,580
Others	1,404

Table 4.1.2 Number of Holders by Type of Farm practice

Central Tigray

Farm Practice	Number of Holders Reporting
Crop rotation	267,291
Reasons for not participating in extension package	
Ignorance	6,519
Shortage of money	32,836
Suspicion on efficacy	15,377
Programs unavailable	5,584
Insufficient arable land	10,307
Others	7,863
Use of services	
Credit	201,255
Advisory	263,192
Reasons for not using credit service	
Service unavailable	*
Failure to pay the loan	63,720
Inadequate service	4,552
Ignorance	4,978
No return	*
Others	13,921
Reasons for not using advisory service	
Service unavailable	*
Inadequate service	*
Ignorance	13,584
No return	*
Others	11,032
Supplier of fertilizers	
Government	151,239
Private organizations	54,130
Traders	8,447
Others	*

Table 4.1.3 Number of Holders by Type of Farm practice

East Tigray

Farm Practice	Number of Holders Reporting
Crop rotation	173,529
Reasons for not participating in extension package	
Ignorance	5,382
Shortage of money	29,456
Suspicion on efficacy	4,642
Programs unavailable	*
Insufficient arable land	14,307
Others	9,297
Use of services	
Credit	109,479
Advisory	162,975
Reasons for not using credit service	
Service unavailable	*
Failure to pay the loan	57,241
Inadequate service	*
Ignorance	*
No return	*
Others	21,019
Reasons for not using advisory service	
Service unavailable	*
Inadequate service	4,468
Ignorance	8,055
No return	*
Others	9,928
Supplier of fertilizers	
Government	94,024
Private organizations	17,653
Traders	*
Others	*

Table 4.1.4 Number of Holders by Type of Farm practice

South Tigray

Farm Practice	Number of Holders Reporting
Crop rotation	212,667
Reasons for not participating in extension package	
Ignorance	17,148
Shortage of money	21,125
Suspicion on efficacy	12,537
Programs unavailable	*
Insufficient arable land	10,850
Others	13,145
Use of services	
Credit	131,328
Advisory	201,296
Reasons for not using credit service	
Service unavailable	*
Failure to pay the loan	71,115
Inadequate service	1,253
Ignorance	3,770
No return	1,943
Others	25,811
Reasons for not using advisory service	
Service unavailable	-
Inadequate service	*
Ignorance	11,878
No return	*
Others	12,375
Supplier of fertilizers	
Government	72,532
Private organizations	33,883
Traders	*
Others	19,336

Table 4.1.5 Number of Holders by Type of Farm practice

Western Tigray	
Farm Practice	Number of Holders Reporting
Crop rotation	81,811
Reasons for not participating in extension package	
Ignorance	17,247
Shortage of money	18,785
Suspicion on efficacy	14,319
Programs unavailable	7,111
Insufficient arable land	11,073
Others	3,402
Use of services	
Credit	22,800
Advisory	61,780
Reasons for not using credit service	
Service unavailable	15,576
Failure to pay the loan	30,589
Inadequate service	12,090
Ignorance	6,217
No return	2,939
Others	5,717
Reasons for not using advisory service	
Service unavailable	*
Inadequate service	7,465
Ignorance	11,585
No return	2,129
Others	8,829
Supplier of fertilizers	
Government	18,721
Private organizations	*
Traders	-
Others	*

Table 4..2 Number of Holders by Type of Farm practice

Afar Region	
Farm Practice	Number of Holders Reporting
Crop rotation	8,099
Reasons for not participating in extension package	
Ignorance	7,843
Shortage of money	1,187
Suspicion on efficacy	*
Programs unavailable	31,492
Insufficient arable land	*
Others	*
Use of services	
Credit	3,087
Advisory	12,651
Reasons for not using credit service	
Service unavailable	101,432
Failure to pay the loan	*
Inadequate service	15,372
Ignorance	2,629
No return	*
Others	*
Reasons for not using advisory service	
Service unavailable	82,507
Inadequate service	23,989
Ignorance	3,859
No return	*
Others	801
Supplier of fertilizers	
Government	*
Private organizations	*
Traders	-
Others	*

Table 4.2.1 Number of Holders by Type of Farm practice

Zone 1

Farm Practice	Number of Holders Reporting
Crop rotation	*
Reasons for not participating in extension package	
Ignorance	7,064
Shortage of money	*
Suspicion on efficacy	*
Programs unavailable	27,145
Insufficient arable land	*
Others	*
Use of services	
Credit	*
Advisory	9,624
Reasons for not using credit service	
Service unavailable	65,344
Failure to pay the loan	*
Inadequate service	15,372
Ignorance	2,401
No return	*
Others	*
Reasons for not using advisory service	
Service unavailable	55,182
Inadequate service	17,674
Ignorance	3,755
No return	*
Others	*
Supplier of fertilizers	
Government	-
Private organizations	-
Traders	-
Others	-

Table 4.2.2 Number of Holders by Type of Farm practice

Zone 3

Farm Practice	Number of Holders Reporting
Crop rotation	5,721
Reasons for not participating in extension package	
Ignorance	*
Shortage of money	*
Suspicion on efficacy	*
Programs unavailable	4,347
Insufficient arable land	*
Others	*
Use of services	
Credit	764
Advisory	*
Reasons for not using credit service	
Service unavailable	36,089
Failure to pay the loan	*
Inadequate service	-
Ignorance	*
No return	-
Others	*
Reasons for not using advisory service	
Service unavailable	27,325
Inadequate service	6,315
Ignorance	*
No return	*
Others	*
Supplier of fertilizers	
Government	*
Private organizations	*
Traders	-
Others	*

Table 4.3 Number of Holders by Type of Farm practice

Amhara Region

Farm Practice	Number of Holders Reporting
Crop rotation	3,690,819
Reasons for not participating in extension package	
Ignorance	393,812
Shortage of money	827,363
Suspicion on efficacy	303,429
Programs unavailable	439,733
Insufficient arable land	273,730
Others	184,005
Use of services	
Credit	1,205,237
Advisory	3,178,555
Reasons for not using credit service	
Service unavailable	169,848
Failure to pay the loan	1,548,533
Inadequate service	275,996
Ignorance	207,407
No return	165,134
Others	467,526
Reasons for not using advisory service	
Service unavailable	147,888
Inadequate service	237,160
Ignorance	282,883
No return	64,497
Others	128,409
Supplier of fertilizers	
Government	790,311
Private organizations	409,601
Traders	148,093
Others	610,674

Table 4.3.1 Number of Holders by Type of Farm practice

North Gondar

Farm Practice	Number of Holders Reporting
Crop rotation	584,087
Reasons for not participating in extension package	
Ignorance	47,617
Shortage of money	139,312
Suspicion on efficacy	53,912
Programs unavailable	124,541
Insufficient arable land	26,531
Others	24,037
Use of services	
Credit	162,854
Advisory	424,748
Reasons for not using credit service	
Service unavailable	70,936
Failure to pay the loan	205,932
Inadequate service	96,517
Ignorance	42,146
No return	22,579
Others	31,101
Reasons for not using advisory service	
Service unavailable	*
Inadequate service	68,499
Ignorance	55,567
No return	7,393
Others	11,539
Supplier of fertilizers	
Government	169,977
Private organizations	*
Traders	27,993
Others	*

Table 4.3.2 Number of Holders by Type of Farm practice

South Gonder

Farm Practice	Number of Holders Reporting
Crop rotation	472,357
Reasons for not participating in extension package	
Ignorance	37,509
Shortage of money	178,237
Suspicion on efficacy	8,622
Programs unavailable	50,426
Insufficient arable land	18,178
Others	7,228
Use of services	
Credit	183,595
Advisory	416,204
Reasons for not using credit service	
Service unavailable	*
Failure to pay the loan	217,769
Inadequate service	21,022
Ignorance	18,552
No return	13,426
Others	38,133
Reasons for not using advisory service	
Service unavailable	16,152
Inadequate service	27,498
Ignorance	34,220
No return	*
Others	19,099
Supplier of fertilizers	
Government	201,760
Private organizations	3,758
Traders	22,190
Others	*

Table 4.3.3 Number of Holders by Type of Farm practice

North Wolo

Farm Practice	Number of Holders Reporting
Crop rotation	299,960
Reasons for not participating in extension package	
Ignorance	68,809
Shortage of money	77,999
Suspicion on efficacy	26,223
Programs unavailable	84,915
Insufficient arable land	26,059
Others	18,566
Use of services	
Credit	83,900
Advisory	243,406
Reasons for not using credit service	
Service unavailable	9,530
Failure to pay the loan	138,519
Inadequate service	27,259
Ignorance	22,700
No return	15,768
Others	24,929
Reasons for not using advisory service	
Service unavailable	22,504
Inadequate service	9,345
Ignorance	24,185
No return	*
Others	*
Supplier of fertilizers	
Government	52,360
Private organizations	*
Traders	4,553
Others	*

Table 4.3.4 Number of Holders by Type of Farm practice

South Wolo	
Farm Practice	Number of Holders Reporting
Crop rotation	559,236
Reasons for not participating in extension package	
Ignorance	87,492
Shortage of money	99,781
Suspicion on efficacy	131,681
Programs unavailable	92,725
Insufficient arable land	81,693
Others	62,723
Use of services	
Credit	138,273
Advisory	511,473
Reasons for not using credit service	
Service unavailable	9,005
Failure to pay the loan	236,332
Inadequate service	64,335
Ignorance	24,278
No return	50,027
Others	104,338
Reasons for not using advisory service	
Service unavailable	8,382
Inadequate service	38,851
Ignorance	21,344
No return	19,737
Others	26,799
Supplier of fertilizers	
Government	119,986
Private organizations	70,940
Traders	17,572
Others	*

Table 4.3.5 Number of Holders by Type of Farm practice

North Shewa	
Farm Practice	Number of Holders Reporting
Crop rotation	429,175
Reasons for not participating in extension package	
Ignorance	46,394
Shortage of money	114,615
Suspicion on efficacy	37,762
Programs unavailable	*
Insufficient arable land	27,556
Others	21,285
Use of services	
Credit	147,064
Advisory	339,830
Reasons for not using credit service	
Service unavailable	9,015
Failure to pay the loan	208,371
Inadequate service	11,309
Ignorance	12,005
No return	19,652
Others	56,485
Reasons for not using advisory service	
Service unavailable	*
Inadequate service	34,698
Ignorance	47,591
No return	13,743
Others	11,329
Supplier of fertilizers	
Government	111,099
Private organizations	47,945
Traders	22,579
Others	45,841

Table 4.3.6 Number of Holders by Type of Farm practice

East Gojjam

Farm Practice	Number of Holders Reporting
Crop rotation	491,562
Reasons for not participating in extension package	
Ignorance	53,293
Shortage of money	129,091
Suspicion on efficacy	10,200
Programs unavailable	*
Insufficient arable land	41,634
Others	19,798
Use of services	
Credit	160,881
Advisory	433,268
Reasons for not using credit service	
Service unavailable	4,653
Failure to pay the loan	238,118
Inadequate service	10,277
Ignorance	28,776
No return	15,042
Others	64,383
Reasons for not using advisory service	
Service unavailable	*
Inadequate service	13,269
Ignorance	57,923
No return	*
Others	14,821
Supplier of fertilizers	
Government	39,229
Private organizations	122,013
Traders	10,805
Others	189,321

Table 4.3.7 Number of Holders by Type of Farm practice

West Gojjam

Farm Practice	Number of Holders Reporting
Crop rotation	486,514
Reasons for not participating in extension package	
Ignorance	*
Shortage of money	20,386
Suspicion on efficacy	*
Programs unavailable	2,756
Insufficient arable land	18,150
Others	8,054
Use of services	
Credit	198,534
Advisory	471,295
Reasons for not using credit service	
Service unavailable	30,925
Failure to pay the loan	143,686
Inadequate service	14,889
Ignorance	34,492
No return	16,558
Others	92,203
Reasons for not using advisory service	
Service unavailable	6,139
Inadequate service	17,409
Ignorance	16,206
No return	*
Others	19,687
Supplier of fertilizers	
Government	51,432
Private organizations	129,592
Traders	29,932
Others	263,729

Table 4.3.8 Number of Holders by Type of Farm practice

Waghamera

Farm Practice	Number of Holders Reporting
Crop rotation	92,617
Reasons for not participating in extension package	
Ignorance	11,007
Shortage of money	26,123
Suspicion on efficacy	16,245
Programs unavailable	32,056
Insufficient arable land	5,719
Others	2,905
Use of services	
Credit	30,320
Advisory	73,561
Reasons for not using credit service	
Service unavailable	1,684
Failure to pay the loan	38,795
Inadequate service	12,587
Ignorance	3,177
No return	*
Others	3,857
Reasons for not using advisory service	
Service unavailable	*
Inadequate service	10,920
Ignorance	5,192
No return	2,203
Others	1,652
Supplier of fertilizers	
Government	*
Private organizations	-
Traders	*
Others	-

Table 4.3.9 Number of Holders by Type of Farm practice

Aw

Farm Practice	Number of Holders Reporting
Crop rotation	198,234
Reasons for not participating in extension package	
Ignorance	13,136
Shortage of money	25,963
Suspicion on efficacy	*
Programs unavailable	14,824
Insufficient arable land	6,949
Others	3,713
Use of services	
Credit	89,734
Advisory	187,430
Reasons for not using credit service	
Service unavailable	3,362
Failure to pay the loan	79,971
Inadequate service	2,538
Ignorance	14,093
No return	*
Others	31,055
Reasons for not using advisory service	
Service unavailable	*
Inadequate service	6,849
Ignorance	11,980
No return	*
Others	8,062
Supplier of fertilizers	
Government	43,586
Private organizations	20,174
Traders	10,133
Others	87,806

Table 4.3.10 Number of Holders by Type of Farm practice

Oromia Zone

Farm Practice	Number of Holders Reporting
Crop rotation	70,112
Reasons for not participating in extension package	
Ignorance	18,408
Shortage of money	15,742
Suspicion on efficacy	10,785
Programs unavailable	8,097
Insufficient arable land	20,913
Others	15,677
Use of services	
Credit	9,373
Advisory	71,125
Reasons for not using credit service	
Service unavailable	*
Failure to pay the loan	40,081
Inadequate service	10,480
Ignorance	6,638
No return	3,153
Others	20,949
Reasons for not using advisory service	
Service unavailable	1,748
Inadequate service	9,130
Ignorance	8,541
No return	*
Others	2,579
Supplier of fertilizers	
Government	*
Private organizations	-
Traders	-
Others	-

Table 4.3.11 Number of Holders by Type of Farm practice

Argoba Special

Farm Practice	Number of Holders Reporting
Crop rotation	6,964
Reasons for not participating in extension package	
Ignorance	754
Shortage of money	116
Suspicion on efficacy	875
Programs unavailable	5,386
Insufficient arable land	349
Others	*
Use of services	
Credit	710
Advisory	6,215
Reasons for not using credit service	
Service unavailable	425
Failure to pay the loan	961
Inadequate service	4,782
Ignorance	551
No return	199
Others	92
Reasons for not using advisory service	
Service unavailable	*
Inadequate service	692
Ignorance	133
No return	*
Others	*
Supplier of fertilizers	
Government	-
Private organizations	-
Traders	-
Others	-

Table 4.4 Number of Holders by Type of Farm practice

Oromia Region

Farm Practice	Number of Holders Reporting
Crop rotation	4,422,591
Reasons for not participating in extension package	
Ignorance	499,034
Shortage of money	1,551,405
Suspicion on efficacy	337,540
Programs unavailable	885,432
Insufficient arable land	586,439
Others	544,427
Use of services	
Credit	930,272
Advisory	3,011,847
Reasons for not using credit service	
Service unavailable	912,801
Failure to pay the loan	1,444,815
Inadequate service	1,561,579
Ignorance	226,698
No return	148,261
Others	428,060
Reasons for not using advisory service	
Service unavailable	580,354
Inadequate service	1,386,701
Ignorance	406,123
No return	57,959
Others	205,690
Supplier of fertilizers	
Government	1,175,904
Private organizations	352,747
Traders	546,374
Others	608,117

Table 4.4.1 Number of Holders by Type of Farm practice

West Welega

Farm Practice	Number of Holders Reporting
Crop rotation	235,322
Reasons for not participating in extension package	
Ignorance	10,307
Shortage of money	122,697
Suspicion on efficacy	37,871
Programs unavailable	15,492
Insufficient arable land	24,913
Others	13,614
Use of services	
Credit	40,719
Advisory	187,951
Reasons for not using credit service	
Service unavailable	51,283
Failure to pay the loan	89,648
Inadequate service	52,483
Ignorance	7,031
No return	13,618
Others	15,728
Reasons for not using advisory service	
Service unavailable	11,742
Inadequate service	27,403
Ignorance	21,832
No return	10,387
Others	11,194
Supplier of fertilizers	
Government	55,509
Private organizations	35,813
Traders	12,878
Others	*

Table 4.4.2 Number of Holders by Type of Farm practice

East Welega

Farm Practice	Number of Holders Reporting
Crop rotation	214,441
Reasons for not participating in extension package	
Ignorance	13,099
Shortage of money	81,142
Suspicion on efficacy	19,219
Programs unavailable	*
Insufficient arable land	17,798
Others	6,078
Use of services	
Credit	34,293
Advisory	125,657
Reasons for not using credit service	
Service unavailable	24,922
Failure to pay the loan	97,930
Inadequate service	37,746
Ignorance	7,045
No return	10,800
Others	16,972
Reasons for not using advisory service	
Service unavailable	3,942
Inadequate service	50,850
Ignorance	31,717
No return	7,249
Others	10,046
Supplier of fertilizers	
Government	76,456
Private organizations	36,613
Traders	7,804
Others	*

Table 4.4.3 Number of Holders by Type of Farm practice

Illubabor

Farm Practice	Number of Holders Reporting
Crop rotation	207,129
Reasons for not participating in extension package	
Ignorance	25,193
Shortage of money	120,986
Suspicion on efficacy	12,061
Programs unavailable	4,821
Insufficient arable land	32,639
Others	7,680
Use of services	
Credit	32,393
Advisory	189,586
Reasons for not using credit service	
Service unavailable	45,774
Failure to pay the loan	87,838
Inadequate service	71,188
Ignorance	7,887
No return	4,975
Others	17,598
Reasons for not using advisory service	
Service unavailable	3,204
Inadequate service	45,395
Ignorance	18,052
No return	1,568
Others	9,309
Supplier of fertilizers	
Government	74,734
Private organizations	*
Traders	3,855
Others	*

Table 4.4.4 Number of Holders by Type of Farm practice

Jimma	
Farm Practice	Number of Holders Reporting
Crop rotation	542,653
Reasons for not participating in extension package	
Ignorance	31,005
Shortage of money	131,504
Suspicion on efficacy	12,314
Programs unavailable	155,094
Insufficient arable land	53,139
Others	66,868
Use of services	
Credit	42,582
Advisory	300,898
Reasons for not using credit service	
Service unavailable	145,424
Failure to pay the loan	151,666
Inadequate service	142,496
Ignorance	16,466
No return	18,520
Others	64,373
Reasons for not using advisory service	
Service unavailable	88,618
Inadequate service	174,322
Ignorance	6,965
No return	*
Others	6,883
Supplier of fertilizers	
Government	183,246
Private organizations	*
Traders	39,222
Others	*

Table 4.4.5 Number of Holders by Type of Farm practice

West Shewa	
Farm Practice	Number of Holders Reporting
Crop rotation	401,640
Reasons for not participating in extension package	
Ignorance	30,581
Shortage of money	120,430
Suspicion on efficacy	30,134
Programs unavailable	61,025
Insufficient arable land	73,582
Others	58,984
Use of services	
Credit	92,165
Advisory	223,523
Reasons for not using credit service	
Service unavailable	55,007
Failure to pay the loan	171,029
Inadequate service	68,537
Ignorance	16,661
No return	16,698
Others	42,970
Reasons for not using advisory service	
Service unavailable	30,308
Inadequate service	131,279
Ignorance	36,572
No return	6,675
Others	34,710
Supplier of fertilizers	
Government	91,582
Private organizations	*
Traders	47,674
Others	159,297

Table 4.4.6 Number of Holders by Type of Farm practice

North Shewa	
Farm Practice	Number of Holders Reporting
Crop rotation	282,287
Reasons for not participating in extension package	
Ignorance	37,013
Shortage of money	87,609
Suspicion on efficacy	17,609
Programs unavailable	41,351
Insufficient arable land	31,591
Others	26,433
Use of services	
Credit	89,633
Advisory	207,778
Reasons for not using credit service	
Service unavailable	17,799
Failure to pay the loan	91,310
Inadequate service	43,109
Ignorance	24,439
No return	6,602
Others	42,178
Reasons for not using advisory service	
Service unavailable	31,385
Inadequate service	34,595
Ignorance	21,198
No return	*
Others	17,782
Supplier of fertilizers	
Government	69,017
Private organizations	*
Traders	9,379
Others	76,886

Table 4.4.7 Number of Holders by Type of Farm practice

East Shewa	
Farm Practice	Number of Holders Reporting
Crop rotation	244,524
Reasons for not participating in extension package	
Ignorance	37,267
Shortage of money	65,877
Suspicion on efficacy	*
Programs unavailable	48,679
Insufficient arable land	32,794
Others	30,917
Use of services	
Credit	72,387
Advisory	148,912
Reasons for not using credit service	
Service unavailable	35,128
Failure to pay the loan	82,322
Inadequate service	68,721
Ignorance	11,941
No return	*
Others	13,549
Reasons for not using advisory service	
Service unavailable	22,271
Inadequate service	69,687
Ignorance	34,121
No return	*
Others	18,267
Supplier of fertilizers	
Government	80,927
Private organizations	37,747
Traders	34,688
Others	51,044

Table 4.4.8 Number of Holders by Type of Farm practice

Arsi

Farm Practice	Number of Holders Reporting
Crop rotation	460,506
Reasons for not participating in extension package	
Ignorance	40,595
Shortage of money	144,203
Suspicion on efficacy	31,705
Programs unavailable	119,037
Insufficient arable land	64,907
Others	41,000
Use of services	
Credit	105,480
Advisory	353,591
Reasons for not using credit service	
Service unavailable	85,007
Failure to pay the loan	162,127
Inadequate service	73,940
Ignorance	30,317
No return	20,935
Others	40,955
Reasons for not using advisory service	
Service unavailable	41,175
Inadequate service	79,373
Ignorance	29,063
No return	3,762
Others	11,796
Supplier of fertilizers	
Government	170,780
Private organizations	25,064
Traders	57,259
Others	104,528

Table 4.4.9 Number of Holders by Type of Farm practice

West Harerge

Farm Practice	Number of Holders Reporting
Crop rotation	262,994
Reasons for not participating in extension package	
Ignorance	35,961
Shortage of money	120,611
Suspicion on efficacy	14,007
Programs unavailable	56,176
Insufficient arable land	29,485
Others	93,889
Use of services	
Credit	36,719
Advisory	172,608
Reasons for not using credit service	
Service unavailable	65,547
Failure to pay the loan	30,571
Inadequate service	232,419
Ignorance	2,855
No return	-
Others	13,958
Reasons for not using advisory service	
Service unavailable	40,738
Inadequate service	145,516
Ignorance	15,622
No return	-
Others	7,585
Supplier of fertilizers	
Government	51,389
Private organizations	12,509
Traders	34,806
Others	4,899

Table 4.4.10 Number of Holders by Type of Farm practice

East Harerge	
Farm Practice	Number of Holders Reporting
Crop rotation	295,158
Reasons for not participating in extension package	
Ignorance	70,133
Shortage of money	217,969
Suspicion on efficacy	42,358
Programs unavailable	35,310
Insufficient arable land	47,119
Others	35,693
Use of services	
Credit	80,920
Advisory	332,581
Reasons for not using credit service	
Service unavailable	61,748
Failure to pay the loan	70,959
Inadequate service	329,148
Ignorance	10,694
No return	4,201
Others	23,774
Reasons for not using advisory service	
Service unavailable	46,088
Inadequate service	168,749
Ignorance	26,072
No return	*
Others	6,682
Supplier of fertilizers	
Government	39,666
Private organizations	26,832
Traders	143,078
Others	3,795

Table 4.4.11 Number of Holders by Type of Farm practice

Bale	
Farm Practice	Number of Holders Reporting
Crop rotation	
Reasons for not participating in extension package	249,003
Ignorance	
Shortage of money	38,643
Suspicion on efficacy	31,822
Programs unavailable	24,496
Insufficient arable land	48,393
Others	25,849
Use of services	17,669
Credit	
Advisory	33,940
Reasons for not using credit service	176,210
Service unavailable	
Failure to pay the loan	34,774
Inadequate service	60,426
Ignorance	112,429
No return	15,843
Others	6,468
Reasons for not using advisory service	45,662
Service unavailable	
Inadequate service	35,427
Ignorance	69,157
No return	14,593
Others	5,144
Supplier of fertilizers	9,012
Government	
Private organizations	5,484
Traders	*
Others	23,312

Table 4.4.12 Number of Holders by Type of Farm practice

Borena	
Farm Practice	Number of Holders Reporting
Crop rotation	69,853
Reasons for not participating in extension package	
Ignorance	32,199
Shortage of money	11,126
Suspicion on efficacy	15,886
Programs unavailable	73,195
Insufficient arable land	15,992
Others	18,046
Use of services	
Credit	16,196
Advisory	27,661
Reasons for not using credit service	
Service unavailable	82,981
Failure to pay the loan	26,164
Inadequate service	77,690
Ignorance	11,766
No return	3,762
Others	7,861
Reasons for not using advisory service	
Service unavailable	69,823
Inadequate service	94,488
Ignorance	24,809
No return	*
Others	*
Supplier of fertilizers	
Government	-
Private organizations	-
Traders	-
Others	-

Table 4.4.13 Number of Holders by Type of Farm practice

South West Shewa	
Farm Practice	Number of Holders Reporting
Crop rotation	242,640
Reasons for not participating in extension package	
Ignorance	24,776
Shortage of money	65,035
Suspicion on efficacy	19,117
Programs unavailable	27,202
Insufficient arable land	50,865
Others	52,634
Use of services	
Credit	78,044
Advisory	140,778
Reasons for not using credit service	
Service unavailable	8,693
Failure to pay the loan	106,107
Inadequate service	26,582
Ignorance	15,225
No return	13,962
Others	32,643
Reasons for not using advisory service	
Service unavailable	20,058
Inadequate service	50,380
Ignorance	39,617
No return	2,890
Others	27,535
Supplier of fertilizers	
Government	89,586
Private organizations	*
Traders	29,922
Others	102,258

Table 4.4.14 Number of Holders by Type of Farm practice

Guji

Farm Practice	Number of Holders Reporting
Crop rotation	124,227
Reasons for not participating in extension package	
Ignorance	44,518
Shortage of money	34,322
Suspicion on efficacy	14,617
Programs unavailable	82,176
Insufficient arable land	15,645
Others	39,603
Use of services	
Credit	14,692
Advisory	50,393
Reasons for not using credit service	
Service unavailable	103,732
Failure to pay the loan	28,694
Inadequate service	91,137
Ignorance	6,732
No return	2,645
Others	4,847
Reasons for not using advisory service	
Service unavailable	70,917
Inadequate service	115,395
Ignorance	11,762
No return	*
Others	*
Supplier of fertilizers	
Government	10,438
Private organizations	*
Traders	*
Others	-

Table 4.4.15 Number of Holders by Type of Farm practice

Kelem

Farm Practice	Number of Holders Reporting
Crop rotation	156,923
Reasons for not participating in extension package	
Ignorance	5,738
Shortage of money	90,768
Suspicion on efficacy	13,122
Programs unavailable	*
Insufficient arable land	15,729
Others	14,884
Use of services	
Credit	30,765
Advisory	88,853
Reasons for not using credit service	
Service unavailable	12,242
Failure to pay the loan	67,452
Inadequate service	31,880
Ignorance	5,682
No return	5,552
Others	12,694
Reasons for not using advisory service	
Service unavailable	*
Inadequate service	20,235
Ignorance	40,218
No return	4,824
Others	7,084
Supplier of fertilizers	
Government	10,709
Private organizations	10,477
Traders	3,943
Others	*

Table 4.4.16 Number of Holders by Type of Farm practice

Horoguduru

Farm Practice	Number of Holders Reporting
Crop rotation	113,390
Reasons for not participating in extension package	
Ignorance	5,531
Shortage of money	34,789
Suspicion on efficacy	6,957
Programs unavailable	*
Insufficient arable land	12,985
Others	3,160
Use of services	
Credit	33,227
Advisory	81,251
Reasons for not using credit service	
Service unavailable	9,722
Failure to pay the loan	39,073
Inadequate service	17,806
Ignorance	8,814
No return	3,550
Others	9,467
Reasons for not using advisory service	
Service unavailable	*
Inadequate service	8,818
Ignorance	18,302
No return	2,632
Others	4,684
Supplier of fertilizers	
Government	14,145
Private organizations	70,517
Traders	3,164
Others	*

Table 4.4.17 Number of Holders by Type of Farm practice

West Arsi

Farm Practice	Number of Holders Reporting
Crop rotation	319,902
Reasons for not participating in extension package	
Ignorance	16,476
Shortage of money	70,515
Suspicion on efficacy	17,042
Programs unavailable	103,308
Insufficient arable land	41,408
Others	17,275
Use of services	
Credit	96,115
Advisory	203,617
Reasons for not using credit service	
Service unavailable	73,019
Failure to pay the loan	81,496
Inadequate service	84,269
Ignorance	27,301
No return	4,728
Others	22,831
Reasons for not using advisory service	
Service unavailable	53,791
Inadequate service	101,058
Ignorance	15,609
No return	1,701
Others	13,196
Supplier of fertilizers	
Government	152,236
Private organizations	14,118
Traders	93,858
Others	*

Table 4.5 Number of Holders by Type of Farm practice

Somalie Region

Farm Practice	Number of Holders Reporting
Crop rotation	35,318
Reasons for not participating in extension package	
Ignorance	9,776
Shortage of money	5,810
Suspicion on efficacy	7,897
Programs unavailable	97,537
Insufficient arable land	*
Others	*
Use of services	
Credit	2,780
Advisory	*
Reasons for not using credit service	
Service unavailable	150,225
Failure to pay the loan	2,594
Inadequate service	23,969
Ignorance	*
No return	-
Others	1,960
Reasons for not using advisory service	
Service unavailable	136,661
Inadequate service	35,552
Ignorance	*
No return	*
Others	2,838
Supplier of fertilizers	
Government	*
Private organizations	*
Traders	*
Others	*

Table 4.5.1 Number of Holders by Type of Farm practice

Shinele

Farm Practice	Number of Holders Reporting
Crop rotation	618
Reasons for not participating in extension package	
Ignorance	*
Shortage of money	*
Suspicion on efficacy	*
Programs unavailable	6,525
Insufficient arable land	-
Others	*
Use of services	
Credit	*
Advisory	*
Reasons for not using credit service	
Service unavailable	13,926
Failure to pay the loan	-
Inadequate service	-
Ignorance	-
No return	-
Others	-
Reasons for not using advisory service	
Service unavailable	12,091
Inadequate service	1,746
Ignorance	-
No return	-
Others	*
Supplier of fertilizers	
Government	*
Private organizations	-
Traders	-
Others	-

Table 4.5.2 Number of Holders by Type of Farm practice

Jijiga

Farm Practice	Number of Holders Reporting
Crop rotation	30,662
Reasons for not participating in extension package	
Ignorance	*
Shortage of money	4,608
Suspicion on efficacy	*
Programs unavailable	63,338
Insufficient arable land	*
Others	*
Use of services	
Credit	*
Advisory	*
Reasons for not using credit service	
Service unavailable	84,733
Failure to pay the loan	*
Inadequate service	*
Ignorance	*
No return	-
Others	1,437
Reasons for not using advisory service	
Service unavailable	80,122
Inadequate service	8,738
Ignorance	*
No return	*
Others	*
Supplier of fertilizers	
Government	*
Private organizations	*
Traders	*
Others	*

Table 4.5.3 Number of Holders by Type of Farm practice

Liben

Farm Practice	Number of Holders Reporting
Crop rotation	4,037
Reasons for not participating in extension package	
Ignorance	8,264
Shortage of money	*
Suspicion on efficacy	*
Programs unavailable	27,675
Insufficient arable land	*
Others	*
Use of services	
Credit	*
Advisory	*
Reasons for not using credit service	
Service unavailable	51,565
Failure to pay the loan	*
Inadequate service	22,063
Ignorance	*
No return	-
Others	*
Reasons for not using advisory service	
Service unavailable	44,449
Inadequate service	25,068
Ignorance	*
No return	-
Others	*
Supplier of fertilizers	
Government	-
Private organizations	-
Traders	-
Others	-

Table 4.6 Number of Holders by Type of Farm practice

Benishangul – Gumuz Region

Farm Practice	Number of Holders Reporting
Crop rotation	163,633
Reasons for not participating in extension package	
Ignorance	29,862
Shortage of money	95,303
Suspicion on efficacy	18,239
Programs unavailable	24,521
Insufficient arable land	6,532
Others	7,783
Use of services	
Credit	18,152
Advisory	138,384
Reasons for not using credit service	
Service unavailable	20,812
Failure to pay the loan	92,353
Inadequate service	32,096
Ignorance	14,301
No return	10,943
Others	18,220
Reasons for not using advisory service	
Service unavailable	13,149
Inadequate service	27,073
Ignorance	20,434
No return	3,134
Others	4,702
Supplier of fertilizers	
Government	20,348
Private organizations	1,934
Traders	11,978
Others	2,192

Table 4.6.1 Number of Holders by Type of Farm practice

Metekel

Farm Practice	Number of Holders Reporting
Crop rotation	77,889
Reasons for not participating in extension package	
Ignorance	13,991
Shortage of money	22,910
Suspicion on efficacy	10,497
Programs unavailable	14,285
Insufficient arable land	3,324
Others	2,688
Use of services	
Credit	9,780
Advisory	46,001
Reasons for not using credit service	
Service unavailable	10,250
Failure to pay the loan	31,792
Inadequate service	12,437
Ignorance	5,835
No return	5,103
Others	10,200
Reasons for not using advisory service	
Service unavailable	10,450
Inadequate service	15,462
Ignorance	10,127
No return	1,584
Others	1,774
Supplier of fertilizers	
Government	14,478
Private organizations	1,504
Traders	8,274
Others	2,118

Table 4.6.2 Number of Holders by Type of Farm practice

Asosa

Farm Practice	Number of Holders Reporting
Crop rotation	57,100
Reasons for not participating in extension package	
Ignorance	10,453
Shortage of money	52,158
Suspicion on efficacy	5,805
Programs unavailable	7,489
Insufficient arable land	1,602
Others	3,365
Use of services	
Credit	6,590
Advisory	68,132
Reasons for not using credit service	
Service unavailable	2,244
Failure to pay the loan	48,112
Inadequate service	11,750
Ignorance	6,254
No return	5,065
Others	6,140
Reasons for not using advisory service	
Service unavailable	*
Inadequate service	7,222
Ignorance	7,325
No return	*
Others	1,719
Supplier of fertilizers	
Government	4,676
Private organizations	*
Traders	*
Others	-

Table 4.6.3 Number of Holders by Type of Farm practice

Kemashi

Farm Practice	Number of Holders Reporting
Crop rotation	16,967
Reasons for not participating in extension package	
Ignorance	4,661
Shortage of money	10,850
Suspicion on efficacy	1,139
Programs unavailable	1,203
Insufficient arable land	719
Others	1,401
Use of services	
Credit	1,502
Advisory	13,193
Reasons for not using credit service	
Service unavailable	6,003
Failure to pay the loan	5,134
Inadequate service	4,897
Ignorance	1,570
No return	603
Others	1,134
Reasons for not using advisory service	
Service unavailable	*
Inadequate service	2,323
Ignorance	2,530
No return	*
Others	*
Supplier of fertilizers	
Government	*
Private organizations	*
Traders	*
Others	-

Table 4.6.4 Number of Holders by Type of Farm practice

Mao Komo

Farm Practice	Number of Holders Reporting
Crop rotation	11,677
Reasons for not participating in extension package	
Ignorance	758
Shortage of money	9,385
Suspicion on efficacy	798
Programs unavailable	1,544
Insufficient arable land	887
Others	*
Use of services	
Credit	279
Advisory	11,058
Reasons for not using credit service	
Service unavailable	2,315
Failure to pay the loan	7,315
Inadequate service	3,012
Ignorance	642
No return	172
Others	745
Reasons for not using advisory service	
Service unavailable	801
Inadequate service	2,066
Ignorance	452
No return	*
Others	*
Supplier of fertilizers	
Government	*
Private organizations	*
Traders	*
Others	*

Table 4.7 Number of Holders by Type of Farm practice

S.N.N.P. Region

Farm Practice	Number of Holders Reporting
Crop rotation	2,348,423
Reasons for not participating in extension package	
Ignorance	392,791
Shortage of money	1,020,955
Suspicion on efficacy	277,587
Programs unavailable	244,150
Insufficient arable land	815,640
Others	238,920
Use of services	
Credit	625,538
Advisory	1,858,707
Reasons for not using credit service	
Service unavailable	466,955
Failure to pay the loan	1,143,450
Inadequate service	948,574
Ignorance	247,869
No return	92,749
Others	159,899
Reasons for not using advisory service	
Service unavailable	206,281
Inadequate service	1,053,079
Ignorance	406,607
No return	59,015
Others	103,637
Supplier of fertilizers	
Government	1,045,525
Private organizations	48,869
Traders	537,857
Others	*

Table 4.7.1 Number of Holders by Type of Farm practice

Farm Practice	Number of Holders Reporting
Crop rotation	255,341
Reasons for not participating in extension package	
Ignorance	70,122
Shortage of money	71,457
Suspicion on efficacy	24,377
Programs unavailable	17,597
Insufficient arable land	65,696
Others	13,196
Use of services	
Credit	79,629
Advisory	205,875
Reasons for not using credit service	
Service unavailable	33,388
Failure to pay the loan	119,772
Inadequate service	32,180
Ignorance	37,879
No return	15,144
Others	29,210
Reasons for not using advisory service	
Service unavailable	*
Inadequate service	43,734
Ignorance	51,096
No return	10,376
Others	14,559
Supplier of fertilizers	
Government	172,697
Private organizations	*
Traders	46,386
Others	*

Table 4.7.2 Number of Holders by Type of Farm practice

Farm Practice	Number of Holders Reporting
Crop rotation	247,414
Reasons for not participating in extension package	
Ignorance	45,933
Shortage of money	76,582
Suspicion on efficacy	13,521
Programs unavailable	19,360
Insufficient arable land	52,157
Others	14,220
Use of services	
Credit	138,649
Advisory	173,744
Reasons for not using credit service	
Service unavailable	33,470
Failure to pay the loan	50,885
Inadequate service	22,363
Ignorance	11,853
No return	*
Others	9,784
Reasons for not using advisory service	
Service unavailable	*
Inadequate service	55,144
Ignorance	22,048
No return	*
Others	2,696
Supplier of fertilizers	
Government	154,810
Private organizations	*
Traders	75,955
Others	-

Table 4.7.3 Number of Holders by Type of Farm practice

Kembata – Tembaro

Farm Practice	Number of Holders Reporting
Crop rotation	125,325
Reasons for not participating in extension package	
Ignorance	10,673
Shortage of money	57,101
Suspicion on efficacy	6,820
Programs unavailable	3,662
Insufficient arable land	35,328
Others	8,190
Use of services	
Credit	48,745
Advisory	86,431
Reasons for not using credit service	
Service unavailable	9,228
Failure to pay the loan	37,760
Inadequate service	29,619
Ignorance	2,652
No return	2,688
Others	4,132
Reasons for not using advisory service	
Service unavailable	*
Inadequate service	25,897
Ignorance	10,751
No return	1,533
Others	5,810
Supplier of fertilizers	
Government	53,232
Private organizations	2,806
Traders	49,894
Others	*

Table 4.7.4 Number of Holders by Type of Farm practice

Sidama

Farm Practice	Number of Holders Reporting
Crop rotation	283,308
Reasons for not participating in extension package	
Ignorance	110,161
Shortage of money	206,587
Suspicion on efficacy	61,273
Programs unavailable	84,032
Insufficient arable land	271,266
Others	88,942
Use of services	
Credit	68,568
Advisory	204,867
Reasons for not using credit service	
Service unavailable	108,683
Failure to pay the loan	241,784
Inadequate service	325,505
Ignorance	62,499
No return	29,089
Others	31,936
Reasons for not using advisory service	
Service unavailable	66,962
Inadequate service	456,900
Ignorance	88,799
No return	19,167
Others	31,370
Supplier of fertilizers	
Government	111,161
Private organizations	22,589
Traders	189,997
Others	-

Table 4.7.5 Number of Holders by Type of Farm practice

Gedio	
Farm Practice	Number of Holders Reporting
Crop rotation	69,712
Reasons for not participating in extension package	
Ignorance	12,349
Shortage of money	43,329
Suspicion on efficacy	14,698
Programs unavailable	6,860
Insufficient arable land	112,759
Others	20,145
Use of services	
Credit	8,853
Advisory	50,516
Reasons for not using credit service	
Service unavailable	13,442
Failure to pay the loan	46,484
Inadequate service	134,328
Ignorance	8,784
No return	*
Others	13,771
Reasons for not using advisory service	
Service unavailable	*
Inadequate service	145,501
Ignorance	14,084
No return	*
Others	5,908
Supplier of fertilizers	
Government	12,453
Private organizations	*
Traders	8,300
Others	-

Table 4.7.6 Number of Holders by Type of Farm practice

Wolayita	
Farm Practice	Number of Holders Reporting
Crop rotation	276,414
Reasons for not participating in extension package	
Ignorance	16,504
Shortage of money	117,745
Suspicion on efficacy	9,993
Programs unavailable	20,644
Insufficient arable land	76,182
Others	10,647
Use of services	
Credit	47,491
Advisory	192,857
Reasons for not using credit service	
Service unavailable	*
Failure to pay the loan	150,831
Inadequate service	91,037
Ignorance	20,609
No return	4,026
Others	12,522
Reasons for not using advisory service	
Service unavailable	*
Inadequate service	73,650
Ignorance	46,056
No return	*
Others	7,292
Supplier of fertilizers	
Government	104,276
Private organizations	*
Traders	94,456
Others	*

Table 4.7.7 Number of Holders by Type of Farm practice

South Omo

Farm Practice	Number of Holders Reporting
Crop rotation	80,789
Reasons for not participating in extension package	
Ignorance	17,605
Shortage of money	36,473
Suspicion on efficacy	8,328
Programs unavailable	20,412
Insufficient arable land	16,265
Others	5,454
Use of services	
Credit	9,453
Advisory	59,948
Reasons for not using credit service	
Service unavailable	45,183
Failure to pay the loan	30,624
Inadequate service	28,982
Ignorance	20,080
No return	1,352
Others	3,764
Reasons for not using advisory service	
Service unavailable	*
Inadequate service	40,761
Ignorance	29,180
No return	*
Others	2,422
Supplier of fertilizers	
Government	23,936
Private organizations	-
Traders	*
Others	*

Table 4.7.8 Number of Holders by Type of Farm practice

Sheka

Farm Practice	Number of Holders Reporting
Crop rotation	34,130
Reasons for not participating in extension package	
Ignorance	5,496
Shortage of money	10,051
Suspicion on efficacy	7,417
Programs unavailable	*
Insufficient arable land	13,272
Others	5,527
Use of services	
Credit	3,914
Advisory	35,417
Reasons for not using credit service	
Service unavailable	8,047
Failure to pay the loan	10,827
Inadequate service	18,266
Ignorance	1,857
No return	1,291
Others	4,990
Reasons for not using advisory service	
Service unavailable	579
Inadequate service	7,842
Ignorance	2,229
No return	*
Others	1,865
Supplier of fertilizers	
Government	3,206
Private organizations	-
Traders	*
Others	-

Table 4.7.9 Number of Holders by Type of Farm practice

Keffa

Farm Practice	Number of Holders Reporting
Crop rotation	193,058
Reasons for not participating in extension package	
Ignorance	9,286
Shortage of money	67,211
Suspicion on efficacy	65,310
Programs unavailable	3,798
Insufficient arable land	33,387
Others	17,339
Use of services	
Credit	17,447
Advisory	146,614
Reasons for not using credit service	
Service unavailable	27,034
Failure to pay the loan	97,070
Inadequate service	45,794
Ignorance	19,060
No return	10,628
Others	8,607
Reasons for not using advisory service	
Service unavailable	*
Inadequate service	38,371
Ignorance	19,010
No return	2,776
Others	3,980
Supplier of fertilizers	
Government	15,736
Private organizations	*
Traders	-
Others	-

Table 4.7.10 Number of Holders by Type of Farm practice

Gamo Gofa

Farm Practice	Number of Holders Reporting
Crop rotation	197,966
Reasons for not participating in extension package	
Ignorance	22,006
Shortage of money	82,351
Suspicion on efficacy	16,094
Programs unavailable	*
Insufficient arable land	28,759
Others	16,058
Use of services	
Credit	66,353
Advisory	249,515
Reasons for not using credit service	
Service unavailable	61,494
Failure to pay the loan	99,597
Inadequate service	66,579
Ignorance	22,038
No return	*
Others	13,070
Reasons for not using advisory service	
Service unavailable	16,956
Inadequate service	29,331
Ignorance	33,187
No return	*
Others	*
Supplier of fertilizers	
Government	133,561
Private organizations	*
Traders	*
Others	-

Table 4.7.11 Number of Holders by Type of Farm practice

Benchi – Maji

Farm Practice	Number of Holders Reporting
Crop rotation	103,010
Reasons for not participating in extension package	
Ignorance	12,695
Shortage of money	72,874
Suspicion on efficacy	14,989
Programs unavailable	8,465
Insufficient arable land	23,761
Others	12,108
Use of services	
Credit	11,548
Advisory	98,249
Reasons for not using credit service	
Service unavailable	30,829
Failure to pay the loan	72,079
Inadequate service	37,767
Ignorance	3,997
No return	3,786
Others	4,510
Reasons for not using advisory service	
Service unavailable	12,074
Inadequate service	34,980
Ignorance	13,019
No return	3,343
Others	2,850
Supplier of fertilizers	
Government	16,487
Private organizations	*
Traders	-
Others	-

Table 4.7.12 Number of Holders by Type of Farm practice

Yem Special Wereda

Farm Practice	Number of Holders Reporting
Crop rotation	19,723
Reasons for not participating in extension package	
Ignorance	*
Shortage of money	8,076
Suspicion on efficacy	605
Programs unavailable	*
Insufficient arable land	2,890
Others	653
Use of services	
Credit	4,623
Advisory	15,900
Reasons for not using credit service	
Service unavailable	*
Failure to pay the loan	9,514
Inadequate service	2,171
Ignorance	1,375
No return	1,156
Others	704
Reasons for not using advisory service	
Service unavailable	*
Inadequate service	*
Ignorance	2,395
No return	*
Others	704
Supplier of fertilizers	
Government	14,946
Private organizations	*
Traders	*
Others	*

Table 4.7.13 Number of Holders by Type of Farm practice

Amaro Special Wereda

Farm Practice	Number of Holders Reporting
Crop rotation	23,697
Reasons for not participating in extension package	
Ignorance	*
Shortage of money	9,427
Suspicion on efficacy	3,628
Programs unavailable	*
Insufficient arable land	21,883
Others	8,049
Use of services	
Credit	*
Advisory	18,684
Reasons for not using credit service	
Service unavailable	*
Failure to pay the loan	11,672
Inadequate service	32,198
Ignorance	*
No return	*
Others	*
Reasons for not using advisory service	
Service unavailable	*
Inadequate service	24,627
Ignorance	*
No return	*
Others	*
Supplier of fertilizers	
Government	10,009
Private organizations	*
Traders	*
Others	*

Table 4.7.14 Number of Holders by Type of Farm practice

Burji Special Wereda

Farm Practice	Number of Holders Reporting
Crop rotation	9,709
Reasons for not participating in extension package	
Ignorance	937
Shortage of money	3,487
Suspicion on efficacy	1,919
Programs unavailable	730
Insufficient arable land	1,050
Others	943
Use of services	
Credit	2,198
Advisory	5,766
Reasons for not using credit service	
Service unavailable	1,332
Failure to pay the loan	2,030
Inadequate service	2,834
Ignorance	867
No return	417
Others	365
Reasons for not using advisory service	
Service unavailable	*
Inadequate service	2,417
Ignorance	1,056
No return	*
Others	*
Supplier of fertilizers	
Government	2,305
Private organizations	*
Traders	-
Others	-

Table 4.7.15 Number of Holders by Type of Farm practice

Konso Special Wereda

Farm Practice	Number of Holders Reporting
Crop rotation	26,219
Reasons for not participating in extension package	
Ignorance	8,031
Shortage of money	20,453
Suspicion on efficacy	3,889
Programs unavailable	6,731
Insufficient arable land	3,316
Others	2,713
Use of services	
Credit	11,685
Advisory	29,311
Reasons for not using credit service	
Service unavailable	7,845
Failure to pay the loan	15,553
Inadequate service	6,183
Ignorance	6,038
No return	1,310
Others	*
Reasons for not using advisory service	
Service unavailable	*
Inadequate service	5,681
Ignorance	9,046
No return	-
Others	*
Supplier of fertilizers	
Government	2,953
Private organizations	-
Traders	-
Others	*

Table 4.7.16 Number of Holders by Type of Farm practice

Derashe Special Wereda

Farm Practice	Number of Holders Reporting
Crop rotation	19,320
Reasons for not participating in extension package	
Ignorance	7,188
Shortage of money	5,560
Suspicion on efficacy	4,141
Programs unavailable	3,131
Insufficient arable land	2,102
Others	4,120
Use of services	
Credit	2,176
Advisory	10,398
Reasons for not using credit service	
Service unavailable	5,517
Failure to pay the loan	7,926
Inadequate service	8,023
Ignorance	1,562
No return	*
Others	1,597
Reasons for not using advisory service	
Service unavailable	2,631
Inadequate service	9,652
Ignorance	3,177
No return	*
Others	*
Supplier of fertilizers	
Government	*
Private organizations	-
Traders	-
Others	-

Table 4.7.17 Number of Holders by Type of Farm practice

Dawro

Farm Practice	Number of Holders Reporting
Crop rotation	66,980
Reasons for not participating in extension package	
Ignorance	4,913
Shortage of money	22,818
Suspicion on efficacy	3,876
Programs unavailable	2,774
Insufficient arable land	24,536
Others	3,935
Use of services	
Credit	9,317
Advisory	61,076
Reasons for not using credit service	
Service unavailable	17,610
Failure to pay the loan	26,510
Inadequate service	23,610
Ignorance	4,746
No return	*
Others	*
Reasons for not using advisory service	
Service unavailable	1,165
Inadequate service	8,092
Ignorance	8,644
No return	*
Others	*
Supplier of fertilizers	
Government	29,688
Private organizations	*
Traders	*
Others	-

Table 4.7.18 Number of Holders by Type of Farm practice

Basketo Special Wereda

Farm Practice	Number of Holders Reporting
Crop rotation	13,868
Reasons for not participating in extension package	
Ignorance	1,725
Shortage of money	7,759
Suspicion on efficacy	1,581
Programs unavailable	307
Insufficient arable land	3,494
Others	1,041
Use of services	
Credit	3,640
Advisory	9,071
Reasons for not using credit service	
Service unavailable	*
Failure to pay the loan	9,312
Inadequate service	929
Ignorance	1,811
No return	804
Others	*
Reasons for not using advisory service	
Service unavailable	1,070
Inadequate service	3,377
Ignorance	3,799
No return	406
Others	1,178
Supplier of fertilizers	
Government	2,268
Private organizations	-
Traders	-
Others	-

Table 4.7.19 Number of Holders by Type of Farm practice

Konta Special Wereda

Farm Practice	Number of Holders Reporting
Crop rotation	30,306
Reasons for not participating in extension package	
Ignorance	5,534
Shortage of money	10,528
Suspicion on efficacy	1,637
Programs unavailable	3,705
Insufficient arable land	5,396
Others	794
Use of services	
Credit	2,765
Advisory	19,435
Reasons for not using credit service	
Service unavailable	4,773
Failure to pay the loan	16,635
Inadequate service	6,793
Ignorance	3,968
No return	*
Others	*
Reasons for not using advisory service	
Service unavailable	2,911
Inadequate service	4,685
Ignorance	7,724
No return	*
Others	876
Supplier of fertilizers	
Government	10,106
Private organizations	-
Traders	*
Others	-

Table 4.7.20 Number of Holders by Type of Farm practice

Silitie

Farm Practice	Number of Holders Reporting
Crop rotation	213,417
Reasons for not participating in extension package	
Ignorance	25,502
Shortage of money	63,305
Suspicion on efficacy	12,316
Programs unavailable	16,103
Insufficient arable land	19,852
Others	2,154
Use of services	
Credit	82,720
Advisory	155,237
Reasons for not using credit service	
Service unavailable	26,939
Failure to pay the loan	68,239
Inadequate service	22,160
Ignorance	12,328
No return	7,099
Others	11,277
Reasons for not using advisory service	
Service unavailable	13,321
Inadequate service	27,543
Ignorance	28,099
No return	*
Others	5,116
Supplier of fertilizers	
Government	149,447
Private organizations	4,984
Traders	44,452
Others	*

Table 4.7.21 Number of Holders by Type of Farm practice

Alaba Special Wereda

Farm Practice	Number of Holders Reporting
Crop rotation	58,716
Reasons for not participating in extension package	
Ignorance	4,981
Shortage of money	27,780
Suspicion on efficacy	*
Programs unavailable	7,074
Insufficient arable land	2,290
Others	*
Use of services	
Credit	4,640
Advisory	29,794
Reasons for not using credit service	
Service unavailable	21,948
Failure to pay the loan	18,346
Inadequate service	11,252
Ignorance	2,900
No return	*
Others	2,132
Reasons for not using advisory service	
Service unavailable	5,599
Inadequate service	14,358
Ignorance	10,290
No return	*
Others	1,321
Supplier of fertilizers	
Government	21,674
Private organizations	3,667
Traders	25,322
Others	*

Table 4.8 Number of Holders by Type of Farm practice

Gambella Region

Farm Practice	Number of Holders Reporting
Crop rotation	10,380
Reasons for not participating in extension package	
Ignorance	5,077
Shortage of money	1,641
Suspicion on efficacy	1,537
Programs unavailable	29,198
Insufficient arable land	1,402
Others	5,202
Use of services	
Credit	528
Advisory	3,154
Reasons for not using credit service	
Service unavailable	36,711
Failure to pay the loan	1,370
Inadequate service	4,431
Ignorance	1,251
No return	*
Others	247
Reasons for not using advisory service	
Service unavailable	25,075
Inadequate service	12,544
Ignorance	2,423
No return	*
Others	*
Supplier of fertilizers	
Government	-
Private organizations	-
Traders	-
Others	-

Table 4.8.1 Number of Holders by Type of Farm practice

Agnuake

Farm Practice	Number of Holders Reporting
Crop rotation	1,704
Reasons for not participating in extension package	
Ignorance	2,433
Shortage of money	*
Suspicion on efficacy	889
Programs unavailable	7,711
Insufficient arable land	184
Others	*
Use of services	
Credit	*
Advisory	1,683
Reasons for not using credit service	
Service unavailable	9,653
Failure to pay the loan	544
Inadequate service	*
Ignorance	*
No return	*
Others	-
Reasons for not using advisory service	
Service unavailable	5,222
Inadequate service	3,038
Ignorance	*
No return	*
Others	-
Supplier of fertilizers	
Government	-
Private organizations	-
Traders	-
Others	-

Table 4.8.2 Number of Holders by Type of Farm practice

Nuware

Farm Practice	Number of Holders Reporting
Crop rotation	*
Reasons for not participating in extension package	
Ignorance	2,241
Shortage of money	*
Suspicion on efficacy	*
Programs unavailable	8,456
Insufficient arable land	*
Others	-
Use of services	
Credit	-
Advisory	*
Reasons for not using credit service	
Service unavailable	10,158
Failure to pay the loan	*
Inadequate service	*
Ignorance	*
No return	-
Others	-
Reasons for not using advisory service	
Service unavailable	8,144
Inadequate service	*
Ignorance	*
No return	*
Others	-
Supplier of fertilizers	
Government	-
Private organizations	-
Traders	-
Others	-

Table 4.8.3 Number of Holders by Type of Farm practice

Mezenger

Farm Practice	Number of Holders Reporting
Crop rotation	8,114
Reasons for not participating in extension package	
Ignorance	389
Shortage of money	1,242
Suspicion on efficacy	*
Programs unavailable	6,190
Insufficient arable land	1,137
Others	5,134
Use of services	
Credit	207
Advisory	1,208
Reasons for not using credit service	
Service unavailable	10,083
Failure to pay the loan	577
Inadequate service	3,358
Ignorance	*
No return	-
Others	247
Reasons for not using advisory service	
Service unavailable	5,874
Inadequate service	6,685
Ignorance	*
No return	*
Others	*
Supplier of fertilizers	
Government	-
Private organizations	-
Traders	-
Others	-

Table 4.7.21 Number of Holders by Type of Farm practice

Itang Special

Farm Practice	Number of Holders Reporting
Crop rotation	531
Reasons for not participating in extension package	
Ignorance	*
Shortage of money	*
Suspicion on efficacy	-
Programs unavailable	6,840
Insufficient arable land	*
Others	-
Use of services	
Credit	*
Advisory	*
Reasons for not using credit service	
Service unavailable	6,816
Failure to pay the loan	*
Inadequate service	-
Ignorance	-
No return	-
Others	-
Reasons for not using advisory service	
Service unavailable	5,834
Inadequate service	*
Ignorance	*
No return	*
Others	-
Supplier of fertilizers	
Government	-
Private organizations	-
Traders	-
Others	-

Table 4.9 Number of Holders by Type of Farm practice

Harari Region

Farm Practice	Number of Holders Reporting
Crop rotation	5,029
Reasons for not participating in extension package	
Ignorance	704
Shortage of money	4,428
Suspicion on efficacy	1,433
Programs unavailable	1,931
Insufficient arable land	3,883
Others	5,229
Use of services	
Credit	2,562
Advisory	7,583
Reasons for not using credit service	
Service unavailable	3,255
Failure to pay the loan	1,927
Inadequate service	13,242
Ignorance	*
No return	*
Others	1,190
Reasons for not using advisory service	
Service unavailable	4,101
Inadequate service	9,407
Ignorance	578
No return	*
Others	619
Supplier of fertilizers	
Government	2,344
Private organizations	258
Traders	10,307
Others	-

Table 4.10 Number of Holders by Type of Farm practice

Dire Dawa

Farm Practice	Number of Holders Reporting
Crop rotation	310
Reasons for not participating in extension package	
Ignorance	1,691
Shortage of money	2,757
Suspicion on efficacy	1,552
Programs unavailable	6,667
Insufficient arable land	1,547
Others	6,888
Use of services	
Credit	3,376
Advisory	2,434
Reasons for not using credit service	
Service unavailable	1,060
Failure to pay the loan	3,097
Inadequate service	14,327
Ignorance	*
No return	*
Others	1,058
Reasons for not using advisory service	
Service unavailable	2,217
Inadequate service	17,155
Ignorance	484
No return	*
Others	998
Supplier of fertilizers	
Government	*
Private organizations	*
Traders	672
Others	*

Table 5 Number of Holders and Area of Irrigated land by Source of Water

Geographic area		Source of Water					
		River	Lake	Pond	Water Harvest	Others	Total
Ethiopia	Holders	757,030	35,632	94,846	67,746	133,924	1,037,364
	Hectare	135,385	5,122	*	4,593	13,021	181,698
Tigray Region	Holders	84,478	3,261	11,830	22,078	5,033	120,261
	Hectare	21,330	*	575	1,170	20	23,202
North West Tigray	Holders	7,944	*	*	*	-	14,610
	Hectare	*	*	*	*	-	623
Central Tigray	Holders	20,926	1,462	3,264	4,877	-	28,261
	Hectare	1,431	*	*	*	-	1,783
East Tigray	Holders	10,391	*	3,824	10,308	*	27,457
	Hectare	1,124	*	*	*	*	2,049
South Tigray	Holders	43,730	-	*	*	*	47,420
	Hectare	*	-	*	*	*	*
Western Tigray	Holders	*	-	*	-	*	2,514
	Hectare	*	-	*	-	*	*
Afar Region	Holders	23,707	*	-	-	-	23,822
	Hectare	2,799	*	-	-	-	2,819
Zone 1	Holders	19,173	*	-	-	-	19,173
	Hectare	*	*	-	-	-	*
Zone 3	Holders	*	*	-	-	-	*
	Hectare	*	*	-	-	-	*
Amhara Region	Holders	300,085	11,062	*	24,948	78,785	411,465
	Hectare	31,043	1,247	*	1,204	3,886	46,094
North Gondar	Holders	29,685	*	*	3,117	*	35,849
	Hectare	*	*	*	*	*	*
South Gondar	Holders	25,218	*	*	*	*	43,430
	Hectare	1,893	*	*	*	*	*
North Wollo	Holders	38,020	*	*	*	*	43,994
	Hectare	3,817	*	*	*	*	4,083
South Wollo	Holders	48,815	*	*	*	*	65,666
	Hectare	3,114	*	*	*	*	4,119
North Shewa	Holders	56,779	*	-	6,148	21,766	81,969
	Hectare	*	*	-	*	*	*
East Gojjam	Holders	47,703	*	2,793	*	11,865	61,775
	Hectare	*	*	*	*	*	5,249
West Gojjam	Holders	36,552	*	*	*	14,139	55,297
	Hectare	*	*	*	*	*	*
Waghamera	Holders	3,714	-	-	*	-	4,276
	Hectare	*	-	-	*	-	*
Awi	Holders	10,808	1,274	-	*	*	13,456
	Hectare	*	*	-	*	*	*
Oromia Zone	Holders	2,528	*	-	*	*	5,357
	Hectare	*	*	-	*	*	*
Argoba Special	Holder	263	*	-	133	-	395
	Hectare	42	*	-	*	-	45
Oromia Region	Holders	244,787	11,502	56,894	12,351	22,172	330,222
	Hectare	47,295	1,533	*	1,696	2,709	66,975
West Welega	Holders	4,319	-	-	*	-	5,654
	Hectare	206	-	-	*	-	272
East Welega	Holders	5,379	*	*	-	-	5,910
	Hectare	*	*	*	-	-	*
Illubabor	Holders	*	*	*	-	*	*
	Hectare	*	*	*	-	*	*
Jimma	Holders	*	-	*	*	*	*
	Hectare	*	-	*	*	*	*
West Shewa	Holders	24,268	*	*	*	*	28,344
	Hectare	2,977	*	*	*	*	3,124
North Shewa	Holders	13,382	-	-	*	*	16,944
	Hectare	*	-	-	*	*	*

Table 5 (cont'd)

Geographic area		Source of Water					
		River	Lake	Pond	Water Harvest	Others	Total
East Shewa	Holders	14,066	*	*	*	*	16,300
	Hectare	*	*	*	*	*	*
Arsi	Holders	5,402	*	*	-	-	6,785
	Hectare	*	*	*	-	-	*
West Harerge	Holders	63,070	2,893	5,126	*	*	71,095
	Hectare	14,835	141	340	*	*	15,893
East Harerge	Holders	78,502	*	42,082	5,242	*	130,111
	Hectare	13,601	*	*	*	*	28,323
Bale	Holders	*	-	*	*	*	12,725
	Hectare	*	-	*	*	*	*
Borena	Holders	-	-	-	-	-	-
	Hectare	-	-	-	-	-	-
South West Shewa	Holders	*	-	-	-	*	*
	Hectare	*	-	-	-	*	*
Guji	Holders	*	*	*	*	*	7,096
	Hectare	*	-	*	*	*	*
West Arsi	Holders	*	*	-	-	*	*
	Hectare	*	*	-	-	*	*
Kelem	Holders	*	-	*	-	*	*
	Hectare	*	-	*	-	*	*
Horoguduru	Holders	3,056	*	-	-	*	3,525
	Hectare	96	*	-	-	*	*
Somali Region	Holders	5,464	-	-	-	3,683	9,069
	Hectare	2,004	-	-	-	1,597	3,601
Shinele	Holders	2,991	-	-	-	3,501	6,414
	Hectare	1,246	-	-	-	1,597	2,843
Jijiga	Holders	-	-	-	-	-	-
	Hectare	-	-	-	-	-	-
Liben	Holders	2,473	-	-	-	*	2,655
	Hectare	*	-	-	-	*	*
Benishangul	Holders	8,776	*	*	*	1,074	11,394
	Hectare	325	*	*	*	*	484
Metekel Zone	Holders	*	-	-	*	552	4,378
	Hectare	*	-	-	*	*	249
Asosa	Holders	*	*	*	-	*	6,630
	Hectare	*	*	*	-	*	214
Kemashi	Holders	-	-	-	-	-	-
	Hectare	-	-	-	-	-	-
Mao Komo	Holders	351	-	-	-	*	386
	Hectare	20	-	-	-	*	21
S.N.N.P Region	Holders	82,514	9,150	3,820	*	*	112,884
	Hectare	29,222	2,151	*	232	*	33,146
Gurage	Holders	*	*	*	*	*	4,724
	Hectare	*	*	*	*	*	*
Hadiya	Holders	*	-	-	-	-	*
	Hectare	*	-	-	-	-	*
Kemb. – Temb.	Holders	-	-	-	*	*	*
	Hectare	-	-	-	*	*	*
Sidama	Holders	*	*	-	-	*	*
	Hectare	*	*	-	-	*	*
Gedio	Holders	*	-	-	-	*	*
	Hectare	*	-	-	-	*	*
Wolayita	Holders	*	*	*	-	-	*
	Hectare	*	*	*	-	-	*
South Omo	Holders	*	-	-	-	-	*
	Hectare	*	-	-	-	-	*
Sheka	Holders	*	-	-	-	-	*
	Hectare	*	-	-	-	-	*

Table 5 (cont'd)

Geographic area		Source of Water					
		River	Lake	Pond	Water Harvest	Others	Total
Keffa	Holders	*	-	-	*	-	*
	Hectare	*	-	-	*	-	*
Gamo - Gofa	Holders	*	*	*	*	-	20,930
	Hectare	*	*	*	*	-	*
Benchi – Maji	Holders	*	*	-	-	*	924
	Hectare	*	*	-	-	*	*
Yem	Holders	*	-	-	*	*	232
	Hectare	*	-	-	*	*	*
Amaro	Holders	22,609	*	-	-	-	22,609
	Hectare	6,723	*	-	-	-	6,724
Burji	Holders	*	*	*	*	*	996
	Hectare	*	*	*	*	*	*
Konso	Holders	*	*	-	*	*	*
	Hectare	*	*	-	*	*	*
Derashe	Holders	*	-	-	-	*	462
	Hectare	*	-	-	-	*	*
Dawro	Holders	*	*	-	-	*	*
	Hectare	*	*	-	-	*	*
Basketo	Holders	*	-	-	-	-	*
	Hectare	*	-	-	-	-	*
Konta	Holders	-	*	-	-	-	*
	Hectare	-	*	-	-	-	*
Silitie	Holders	*	*	*	*	*	10,879
	Hectare	*	*	*	*	*	437
Alaba	Holders	-	-	-	-	-	-
	Hectare	-	-	-	-	-	-
Gambella Region	Holder	*	*	-	-	-	164
	Hectare	*	*	-	-	-	*
Agnuwak	Holder		*	*	-	-	-
	Hectare	*	*	-	-	-	*
Nuware	Holder	*	*	-	-	-	-
	Hectare	*	-	-	-	-	*
Mezenger	Holder	*	*	-	-	-	-
	Hectare	*	-	-	-	-	*
Itang Special	Holder	*	*	-	-	-	-
	Hectare	*	-	-	-	-	*
Harari Region	Holders	2,278	*	951	*	*	4,410
	Hectare	240	*	235	247	*	829
Dire Dawa	Holders	4,814	*	1,775	*	8,392	13,674
	Hectare	1,127	*	*	*	3,216	4,546

Table 6 Area of Irrigated land by Crop and Source of Water

Ethiopia

Crop type	Source of Water					
	River	Lake	Pond	Water Harvest	Others	Total
All	135,390	5,122	*	4,593	13,021	181,703
Cereals	63,990	3,680	*	2,106	6,954	84,654
Teff	8,515	*	*	*	*	11,899
Barley	4,779	*	*	*	*	7,207
Wheat	3,728	*	*	455	*	4,999
Maize	24,034	*	*	526	1,045	28,492
Sorghum	22,345	364	*	*	4,178	31,147
Finger millet	584	-	*	-	*	893
Oats / 'Aja'	*	-	-	-	-	*
Rice	-	-	*	-	-	*
Pulses	4,531	*	*	*	*	*
Horse / Faba beans	842	*	*	*	*	1,012
Field Peas	*	-	-	*	-	*
Haricot beans	2,044	*	*	*	81	2,175
Chick peas	746	-	*	*	*	2,206
Lentils	*	-	*	-	-	*
Vetch / Grass peas	*	-	*	-	*	*
Soya beans	*	-	-	-	-	*
Fenugreek	*	*	*	-	*	*
Gibto	-	-	-	-	-	-
Oilseeds	*	*	*	*	29	*
Neug	-	-	-	-	-	-
Linseed	114	*	-	*	*	158
Groundnuts	*	-	*	*	*	*
Safflower	*	-	-	*	-	*
Sesame	*	*	-	-	12	*
Rapeseed	*	*	*	-	-	*
Vegetables	3,944	*	149	*	400	5,112
Lettuce	*	-	*	*	*	*
Head cabbage	86	*	*	*	*	187
Ethiopian cabbage	174	*	*	*	*	389
Tomatoes	*	*	35	*	*	2,811
Green peppers	444	*	21	27	*	503
Red peppers	905	*	*	*	161	1,192
Swiss chard	*	-	-	*	*	16
Root crops	11,720	*	563	360	311	13,575
Beetroot	30	-	*	*	*	42
Carrot	*	-	*	*	*	*
Onion	5,582	*	*	*	*	6,006
Potatoes	1,799	*	128	*	*	2,451
Garlic	*	*	*	*	50	1,689
Taro 'Godere'	27	*	-	-	-	*
Sweet potatoes	2,478	*	200	*	73	2,905
Other Temporary	2,214	*	*	*	37	2,439
Permanent crops	10,992	*	178	92	251	11,603
Avocado	*	*	*	*	*	*
Bananas	8,265	*	*	*	91	8,508
Guava	282	*	13	*	*	370
Lemons	160	-	*	*	*	215
Mangoes	*	*	*	*	20	*
Oranges	618	*	*	*	43	729
Papayas	299	*	20	12	19	350
Pineapples	*	-	-	-	-	*
Stimulant Crops	28,013	444	*	1,099	3,797	41,047
Chat	16,419	*	*	858	*	26,975
Coffee	9,955	*	377	217	*	11,352
Hops / 'Geshe'	1,638	*	49	24	*	2,720
Enset	2,245	*	*	*	*	2,493
Sugar cane	6,290	*	92	*	224	6,767
Other permanent	799	*	*	*	30	861

Table 6 Area of Irrigated land by Crop and Source of Water

Tigray

Crop type	Source of Water					
	River	Lake	Pond	Water Harvest	Others	Total
All	21,330	*	575	1,170	20	23,202
Cereals	*	*	214	817	*	*
Teff	*	*	*	*	-	*
Barley	1,681	-	*	*	-	1,911
Wheat	2,231	-	*	*	-	2,519
Maize	1,847	*	*	*	*	2,058
Sorghum	*	-	-	-	-	*
Finger millet	*	-	*	-	-	*
Oats / 'Aja'	-	-	-	-	-	-
Rice	-	-	*	-	-	*
Pulses	*	*	*	*	*	862
Horse / Faba beans	*	*	*	*	-	*
Field Peas	*	-	-	-	-	*
Haricot beans	-	-	-	-	-	-
Chick peas	*	-	*	-	-	384
Lentils	*	-	-	-	-	*
Vetch / Grass peas	*	-	-	-	-	*
Soya beans	-	-	-	-	-	-
Fenugreek	*	*	*	-	*	*
Gibto	-	-	-	-	-	-
Oilseeds	*	-	*	*	*	*
Neug	-	-	-	-	-	-
Linseed	*	-	-	*	-	*
Groundnuts	-	-	-	*	*	*
Safflower	-	-	-	*	-	*
Sesame	-	-	-	-	-	-
Rapeseed	-	-	*	-	-	*
Vegetables	450	*	33	123	2	611
Lettuce	-	-	*	*	*	*
Head cabbage	*	*	*	*	*	97
Ethiopian cabbage	-	-	-	-	-	-
Tomatoes	*	-	*	*	*	159
Green peppers	164	*	19	*	*	210
Red peppers	*	-	*	*	*	*
Swiss chard	*	-	-	*	*	12
Root crops	878	-	*	*	*	1,113
Beetroot	*	-	*	-	-	*
Carrot	*	-	-	*	-	*
Onion	440	-	*	*	-	448
Potatoes	*	-	*	*	*	*
Garlic	*	-	*	6	-	*
Taro 'Godere'	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-
Other Temporary	*	-	*	*	*	*
Permanent crops	289	*	43	*	*	404
Avocado	*	-	*	*	*	*
Bananas	*	*	*	*	-	90
Guava	99	*	7	*	*	165
Lemons	*	-	*	*	-	17
Mangoes	*	-	-	*	-	*
Oranges	*	-	13	*	-	*
Papayas	30	-	*	*	*	45
Pineapples	-	-	-	-	-	-
Stimulant Crops	719	*	70	21	*	829
Chat	*	-	*	-	-	*
Coffee	*	-	*	-	*	*
Hops / 'Geshe'	548	*	43	21	*	630
Enset	-	-	-	-	-	-
Sugar cane	*	-	-	-	-	*
Other permanent	*	*	*	*	*	26

Table 6 Area of Irrigated land by Crop and Source of Water

Afar

Crop type	Source of Water					
	River	Lake	Pond	Water Harvest	Others	Total
All	2,799	*	-	-	-	2,819
Cereals	*	-	-	-	-	*
Teff	-	-	-	-	-	-
Barley	-	-	-	-	-	-
Wheat	-	-	-	-	-	-
Maize	*	-	-	-	-	*
Sorghum	*	-	-	-	-	*
Finger millet	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-
Rice	-	-	-	-	-	-
Pulses	*	-	-	-	-	*
Horse / Faba beans	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	-
Chick peas	*	-	-	-	-	*
Lentils	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-
Gibto	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-
Neug	-	-	-	-	-	-
Linseed	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-
Safflower	-	-	-	-	-	-
Sesame	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-
Vegetables	*	-	-	-	-	*
Lettuce	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-
Tomatoes	*	-	-	-	-	*
Green peppers	-	-	-	-	-	-
Red peppers	*	-	-	-	-	*
Swiss chard	-	-	-	-	-	-
Root crops	*	*	-	-	-	*
Beetroot	-	-	-	-	-	-
Carrot	-	-	-	-	-	-
Onion	*	*	-	-	-	*
Potatoes	-	-	-	-	-	-
Garlic	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-
Other Temporary	*	*	-	-	-	*
Permanent crops	*	-	-	-	-	*
Avocado	*	-	-	-	-	*
Bananas	*	*	-	-	-	*
Guava	*	-	-	-	-	*
Lemons	*	-	-	-	-	*
Mangoes	*	*	-	-	-	*
Oranges	*	-	-	-	-	*
Papayas	*	-	-	-	-	*
Pineapples	-	-	-	-	-	-
Stimulant Crops	*	-	-	-	-	*
Chat	*	-	-	-	-	*
Coffee	*	-	-	-	-	*
Hops / 'Geshe'	-	-	-	-	-	-
Enset	-	-	-	-	-	-
Sugar cane	*	-	-	-	-	*
Other permanent	366	-	-	-	-	366

Table 6 Area of Irrigated land by Crop and Source of Water

Amhara

Crop type	Source of Water					
	River	Lake	Pond	Water Harvest	Others	Total
All	31,043	1,247	*	1,204	3,886	46,094
Cereals	14,716	881	*	*	963	19,483
Teff	2,074	*	*	*	*	4,783
Barley	2,400	*	*	*	*	2,669
Wheat	565	*	*	*	*	1,375
Maize	1,995	*	-	*	*	2,526
Sorghum	*	*	-	*	*	*
Finger millet	460	-	-	-	*	705
Oats / 'Aja'	*	-	-	-	-	*
Rice	-	-	-	-	-	-
Pulses	2,389	-	*	*	*	*
Horse / Faba beans	536	-	-	-	-	536
Field Peas	*	-	-	*	-	*
Haricot beans	*	-	*	*	-	*
Chick peas	397	-	*	-	*	*
Lentils	*	-	*	-	-	*
Vetch / Grass peas	*	-	*	-	*	*
Soya beans	-	-	-	-	-	-
Fenugreek	*	-	-	-	-	*
Gibto	-	-	-	-	-	-
Oilseeds	*	*	-	-	*	*
Neug	-	-	-	-	-	-
Linseed	*	*	-	-	*	*
Groundnuts	-	-	-	-	-	-
Safflower	*	-	-	-	-	*
Sesame	*	*	-	-	-	*
Rapeseed	*	*	-	-	-	*
Vegetables	922	*	*	43	164	1,143
Lettuce	*	-	-	-	-	*
Head cabbage	*	-	*	*	*	62
Ethiopian cabbage	*	-	*	*	*	49
Tomatoes	*	*	-	*	*	40
Green peppers	139	*	-	*	*	150
Red peppers	692	-	-	*	134	837
Swiss chard	*	-	-	*	*	*
Root crops	4,397	*	126	184	181	5,204
Beetroot	*	-	*	*	*	10
Carrot	*	-	*	*	*	*
Onion	2,580	*	-	*	*	*
Potatoes	1,266	*	*	*	*	1,546
Garlic	439	*	*	*	*	611
Taro 'Godere'	-	-	-	-	-	-
Sweet potatoes	*	-	-	*	-	*
Other Temporary	*	*	-	*	*	*
Permanent crops	1,075	*	*	23	176	1,288
Avocado	*	-	*	*	*	41
Bananas	464	*	-	*	65	543
Guava	*	*	-	*	*	*
Lemons	37	-	-	*	*	*
Mangoes	28	-	*	*	*	35
Oranges	*	*	*	*	*	*
Papayas	64	-	*	*	*	77
Pineapples	-	-	-	-	-	-
Stimulant Crops	4,348	*	*	*	*	6,497
Chat	859	-	-	*	*	1,662
Coffee	2,554	-	*	179	*	2,921
Hops / 'Gesho'	934	*	*	*	*	1,913
Enset	*	-	-	-	-	*
Sugar cane	*	*	-	*	*	*
Other permanent	49	-	-	*	20	75

Table 6 Area of Irrigated land by Crop and Source of Water

Oromia						
Crop type	Source of Water					
	River	Lake	Pond	Water Harvest	Others	Total
All	47,300	1,533	*	1,696	2,709	66,980
Cereals	16,017	904	*	*	*	24,147
Teff	1,360	*	-	*	*	1,685
Barley	*	*	*	*	*	*
Wheat	*	-	*	-	*	*
Maize	8,822	*	*	*	*	10,640
Sorghum	4,263	*	*	*	*	8,663
Finger millet	-	-	-	-	-	-
Oats / 'Aja'	*	-	-	-	-	*
Rice	-	-	-	-	-	-
Pulses	524	*	*	*	*	768
Horse / Faba beans	*	-	-	*	*	*
Field Peas	-	-	-	-	-	-
Haricot beans	*	*	*	-	*	*
Chick peas	*	-	*	*	-	*
Lentils	-	-	-	-	-	-
Vetch / Grass peas	*	-	-	-	-	*
Soya beans	-	-	-	-	-	-
Fenugreek	*	*	-	-	-	*
Gibto	-	-	-	-	-	-
Oilseeds	*	-	*	*	-	*
Neug	-	-	-	-	-	-
Linseed	*	-	-	*	-	*
Groundnuts	*	-	*	-	-	*
Safflower	-	-	-	-	-	-
Sesame	*	-	-	-	-	*
Rapeseed	*	-	-	-	-	*
Vegetables	2,456	*	*	*	*	3,045
Lettuce	*	-	-	-	-	*
Head cabbage	*	-	*	*	-	*
Ethiopian cabbage	*	*	-	*	*	*
Tomatoes	*	-	*	*	*	2,559
Green peppers	125	-	*	-	*	127
Red peppers	*	-	-	-	*	115
Swiss chard	*	-	-	-	-	*
Root crops	5,441	*	258	*	*	6,033
Beetroot	*	-	-	*	-	25
Carrot	*	-	-	-	-	*
Onion	2,137	-	*	-	*	2,178
Potatoes	*	*	*	-	*	*
Garlic	*	-	*	-	*	*
Taro 'Godere'	*	-	-	-	-	*
Sweet potatoes	1,923	*	174	*	*	2,197
Other Temporary	130	-	*	*	*	177
Permanent crops	2,144	*	*	*	*	2,301
Avocado	*	-	*	-	-	*
Bananas	1,617	*	*	*	*	1,718
Guava	*	-	*	-	*	*
Lemons	*	-	-	-	-	*
Mangoes	159	-	-	-	-	159
Oranges	*	-	*	*	*	*
Papayas	*	-	*	-	-	*
Pineapples	-	-	-	-	-	-
Stimulant Crops	18,384	227	*	408	*	27,143
Chat	13,036	*	*	382	*	21,029
Coffee	5,192	*	*	*	*	5,941
Hops / 'Geshe'	156	-	*	-	*	172
Enset	*	-	*	-	*	*
Sugar cane	2,026	*	66	-	*	2,223
Other permanent	*	-	-	-	*	*

Table 6 Area of Irrigated land by Crop and Source of Water

Somalie						
Crop type	Source of Water					
	River	Lake	Pond	Water Harvest	Others	Total
All	2,004	-	-	-	1,597	3,601
Cereals	1,413	-	-	-	1,536	2,949
Teff	-	-	-	-	-	-
Barley	-	-	-	-	-	-
Wheat	-	-	-	-	-	-
Maize	775	-	-	-	*	1,162
Sorghum	638	-	-	-	1,149	1,787
Finger millet	*	-	-	-	-	*
Oats / 'Aja'	-	-	-	-	-	-
Rice	-	-	-	-	-	-
Pulses	*	-	-	-	-	*
Horse / Faba beans	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-
Haricot beans	*	-	-	-	-	*
Chick peas	-	-	-	-	-	-
Lentils	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-
Gibto	-	-	-	-	-	-
Oilseeds	*	-	-	-	-	*
Neug	-	-	-	-	-	-
Linseed	*	-	-	-	-	*
Groundnuts	-	-	-	-	-	-
Safflower	-	-	-	-	-	-
Sesame	*	-	-	-	-	*
Rapeseed	-	-	-	-	-	-
Vegetables	*	-	-	-	-	*
Lettuce	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-
Tomatoes	*	-	-	-	-	*
Green peppers	*	-	-	-	-	*
Red peppers	-	-	-	-	-	-
Swiss chard	*	-	-	-	-	*
Root crops	20	-	-	-	-	20
Beetroot	-	-	-	-	-	-
Carrot	-	-	-	-	-	-
Onion	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-
Garlic	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-
Sweet potatoes	20	-	-	-	-	20
Other Temporary	*	-	-	-	*	*
Permanent crops	195	-	-	-	*	230
Avocado	-	-	-	-	-	-
Bananas	*	-	-	-	-	*
Guava	*	-	-	-	*	*
Lemons	36	-	-	-	*	40
Mangoes	*	-	-	-	*	36
Oranges	*	-	-	-	*	90
Papayas	*	-	-	-	*	*
Pineapples	-	-	-	-	-	-
Stimulant Crops	245	-	-	-	*	260
Chat	241	-	-	-	*	256
Coffee	*	-	-	-	-	*
Hops / 'Geshe'	-	-	-	-	-	-
Enset	-	-	-	-	-	-
Sugar cane	*	-	-	-	*	*
Other permanent	13	-	-	-	*	16

Table 6 Area of Irrigated land by Crop and Source of Water

Benishangul – Gumuz

Crop type	Source of Water					
	River	Lake	Pond	Water Harvest	Others	Total
All	325	*	*	*	*	484
Cereals	*	*	-	*	*	122
Teff	-	-	-	-	-	-
Barley	-	-	-	-	-	-
Wheat	-	-	-	-	-	-
Maize	*	-	-	*	-	*
Sorghum	-	*	-	-	*	*
Finger millet	-	-	-	-	*	*
Oats / 'Aja'	-	-	-	-	-	-
Rice	-	-	-	-	-	-
Pulses	*	-	-	-	*	*
Horse / Faba beans	-	-	-	-	*	*
Field Peas	*	-	-	-	-	*
Haricot beans	-	-	-	-	-	-
Chick peas	-	-	-	-	-	-
Lentils	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-
Gibto	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-
Neug	-	-	-	-	-	-
Linseed	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-
Safflower	-	-	-	-	-	-
Sesame	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-
Vegetables	*	-	-	-	*	*
Lettuce	-	-	-	-	-	-
Head cabbage	*	-	-	-	-	*
Ethiopian cabbage	-	-	-	-	-	-
Tomatoes	-	-	-	-	-	-
Green peppers	-	-	-	-	-	-
Red peppers	*	-	-	-	*	*
Swiss chard	-	-	-	-	-	-
Root crops	*	-	-	-	-	*
Beetroot	*	-	-	-	-	*
Carrot	-	-	-	-	-	-
Onion	-	-	-	-	-	-
Potatoes	*	-	-	-	-	*
Garlic	*	-	-	-	-	*
Taro 'Godere'	-	-	-	-	-	-
Sweet potatoes	-	-	*	-	-	-
Other Temporary	*	-	*	-	*	*
Permanent crops	*	-	*	-	*	113
Avocado	-	-	-	-	-	-
Bananas	*	-	*	-	*	108
Guava	-	-	-	-	-	-
Lemons	-	-	-	-	-	-
Mangoes	*	-	-	-	*	*
Oranges	*	-	-	-	-	*
Papayas	*	-	*	-	-	*
Pineapples	*	-	-	-	-	*
Stimulant Crops	*	-	-	-	*	*
Chat	*	-	-	-	*	*
Coffee	*	-	-	-	*	*
Hops / 'Geshe'	-	-	-	-	-	-
Enset	-	-	-	-	-	-
Sugar cane	*	-	*	-	-	*
Other permanent	-	-	-	-	-	-

Table 6 Area of Irrigated land by Crop and Source of Water

S.N.N.P.R

Crop type	Source of Water					
	River	Lake	Pond	Water Harvest	Others	Total
All	29,222	2,151	*	232	*	33,146
Cereals	11,015	*	-	*	*	12,892
Teff	2,218	*	-	-	-	2,257
Barley	*	*	-	-	-	*
Wheat	*	*	-	*	*	*
Maize	8,641	*	-	*	-	*
Sorghum	97	*	-	-	*	210
Finger millet	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-
Rice	-	-	-	-	-	-
Pulses	716	-	-	*	*	744
Horse / Faba beans	-	-	-	-	-	-
Field Peas	*	-	-	-	-	*
Haricot beans	708	-	-	*	*	736
Chick peas	-	-	-	-	-	-
Lentils	*	-	-	-	-	*
Vetch / Grass peas	-	-	-	-	-	-
Soya beans	*	-	-	-	-	*
Fenugreek	-	-	-	-	-	-
Gibto	-	-	-	-	-	-
Oilseeds	*	-	-	-	*	*
Neug	-	-	-	-	-	-
Linseed	*	-	-	-	*	*
Groundnuts	-	-	-	-	-	-
Safflower	-	-	-	-	-	-
Sesame	*	-	-	-	-	*
Rapeseed	-	-	-	-	-	-
Vegetables	83	*	*	*	*	251
Lettuce	-	-	-	-	-	-
Head cabbage	*	-	-	*	-	*
Ethiopian cabbage	64	*	*	*	*	121
Tomatoes	*	-	-	*	-	*
Green peppers	*	-	-	-	-	*
Red peppers	*	*	*	*	-	*
Swiss chard	-	-	-	-	-	-
Root crops	*	*	*	*	*	779
Beetroot	*	-	-	-	-	*
Carrot	*	-	-	*	-	*
Onion	*	-	*	*	*	*
Potatoes	*	-	-	*	-	*
Garlic	-	-	-	-	*	*
Taro 'Godere'	24	*	-	-	-	*
Sweet potatoes	*	*	*	-	-	465
Other Temporary	1,142	*	*	-	-	1,185
Permanent crops	*	*	*	*	*	*
Avocado	*	*	*	*	*	*
Bananas	*	-	*	*	*	*
Guava	*	-	-	-	-	*
Lemons	*	-	-	-	*	*
Mangoes	*	*	*	*	-	*
Oranges	*	-	-	*	-	*
Papayas	*	*	*	*	*	*
Pineapples	-	-	-	-	-	-
Stimulant Crops	3,814	*	*	*	*	5,298
Chat	*	-	*	*	*	*
Coffee	1,922	*	*	*	*	2,156
Hops / 'Geshe'	-	-	-	-	*	*
Enset	2,173	*	-	*	*	2,345
Sugar cane	*	-	*	*	*	*
Other permanent	*	-	-	*	*	*

Table 6 Area of Irrigated land by Crop and Source of Water

Gambella						
Crop type	Source of Water					
	River	Lake	Pond	Water Harvest	Others	Total
All	*	*	-	-	-	*
Cereals	*	-	-	-	-	*
Teff	-	-	-	-	-	-
Barley	-	-	-	-	-	-
Wheat	-	-	-	-	-	-
Maize	*	-	-	-	-	*
Sorghum	-	-	-	-	-	-
Finger millet	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-
Rice	-	-	-	-	-	-
Pulses	-	-	-	-	-	-
Horse / Faba beans	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	-
Chick peas	-	-	-	-	-	-
Lentils	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-
Gibto	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-
Neug	-	-	-	-	-	-
Linseed	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-
Safflower	-	-	-	-	-	-
Sesame	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-
Vegetables	*	-	-	-	-	*
Lettuce	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-
Ethiopian cabbage	*	-	-	-	-	*
Tomatoes	-	-	-	-	-	-
Green peppers	*	-	-	-	-	*
Red peppers	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-
Root crops	-	-	-	-	-	-
Beetroot	-	-	-	-	-	-
Carrot	-	-	-	-	-	-
Onion	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-
Garlic	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-
Other Temporary	*	-	-	-	-	*
Permanent crops	*	*	-	-	-	*
Avocado	-	-	-	-	-	-
Bananas	-	*	-	-	-	*
Guava	-	-	-	-	-	-
Lemons	-	-	-	-	-	-
Mangoes	-	-	-	-	-	-
Oranges	-	-	-	-	-	-
Papayas	*	-	-	-	-	*
Pineapples	-	-	-	-	-	-
Stimulant Crops	-	-	-	-	-	-
Chat	-	-	-	-	-	-
Coffee	-	-	-	-	-	-
Hops / 'Geshe'	-	-	-	-	-	-
Enset	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	-
Other permanent	-	-	-	-	-	-

Table 6 Area of Irrigated land by Crop and Source of Water

Harari

Crop type	Source of Water					
	River	Lake	Pond	Water Harvest	Others	Total
All	240	*	235	247	*	829
Cereals	*	*	*	*	*	192
Teff	-	-	-	-	-	-
Barley	-	-	-	-	-	-
Wheat	-	-	-	*	*	*
Maize	-	*	*	*	*	48
Sorghum	*	*	*	*	*	132
Finger millet	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-
Rice	-	-	-	-	-	-
Pulses	-	-	-	-	-	-
Horse / Faba beans	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	-
Chick peas	-	-	-	-	-	-
Lentils	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-
Gibto	-	-	-	-	-	-
Oilseeds	*	-	*	-	-	21
Neug	-	-	-	-	-	-
Linseed	-	-	-	-	-	-
Groundnuts	*	-	*	-	-	21
Safflower	-	-	-	-	-	-
Sesame	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-
Vegetables	*	-	*	*	-	*
Lettuce	-	-	-	-	-	-
Head cabbage	-	-	-	*	-	*
Ethiopian cabbage	-	-	-	-	-	-
Tomatoes	*	-	*	*	-	*
Green peppers	-	-	-	-	-	-
Red peppers	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-
Root crops	*	-	*	*	*	*
Beetroot	-	-	-	-	-	-
Carrot	-	-	-	-	-	-
Onion	-	-	-	-	-	-
Potatoes	*	-	-	-	-	*
Garlic	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-
Sweet potatoes	*	-	*	*	*	*
Other Temporary	-	-	-	-	-	-
Permanent crops	*	*	*	*	-	20
Avocado	-	-	-	-	-	-
Bananas	*	-	*	*	-	*
Guava	-	-	-	-	-	-
Lemons	*	-	-	-	-	*
Mangoes	*	*	*	-	-	*
Oranges	-	-	-	-	-	-
Papayas	*	-	-	*	-	*
Pineapples	-	-	-	-	-	-
Stimulant Crops	*	*	111	*	*	303
Chat	*	*	106	*	*	297
Coffee	-	*	*	*	-	*
Hops / 'Gesho'	-	-	-	-	-	-
Enset	-	-	-	-	-	-
Sugar cane	*	-	*	*	*	*
Other permanent	*	-	-	-	-	*

Table 6 Area of Irrigated land by Crop and Source of Water

Dire Dawa						
Crop type	Source of Water					
	River	Lake	Pond	Water Harvest	Others	Total
All	1,127	*	*	*	3,216	4,546
Cereals	588	*	*	*	2,920	3,578
Teff	-	-	-	-	-	-
Barley	-	-	-	-	-	-
Wheat	-	-	-	-	-	-
Maize	21	-	*	-	*	234
Sorghum	567	*	*	*	2,727	3,344
Finger millet	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-
Rice	-	-	-	-	-	-
Pulses	*	-	*	-	67	75
Horse / Faba beans	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-
Haricot beans	*	-	*	-	67	75
Chick peas	-	-	-	-	-	-
Lentils	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-
Fenugreek	-	-	-	-	*	*
Gibto	-	-	-	-	-	-
Oilseeds	*	-	*	-	17	18
Neug	-	-	-	-	-	-
Linseed	-	-	-	-	-	-
Groundnuts	-	-	*	-	*	*
Safflower	-	-	-	-	-	-
Sesame	*	-	-	-	12	13
Rapeseed	-	-	-	-	-	-
Vegetables	*	-	*	-	*	*
Lettuce	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-
Tomatoes	*	-	*	-	*	*
Green peppers	*	-	-	-	*	*
Red peppers	*	-	-	-	-	*
Swiss chard	-	-	-	-	-	-
Root crops	47	-	*	*	25	91
Beetroot	-	-	-	-	-	-
Carrot	-	-	-	-	-	-
Onion	*	-	*	-	-	*
Potatoes	-	-	-	-	*	*
Garlic	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-
Sweet potatoes	47	-	*	*	25	89
Other Temporary	*	-	-	-	*	*
Permanent crops	*	-	*	*	*	52
Avocado	-	-	-	-	-	-
Bananas	*	-	*	-	-	*
Guava	1	-	*	-	*	*
Lemons	*	-	-	-	*	*
Mangoes	*	-	-	*	*	*
Oranges	*	-	-	-	*	*
Papayas	5	-	*	*	*	14
Pineapples	-	-	-	-	-	-
Stimulant Crops	316	*	*	*	179	581
Chat	239	-	*	*	169	473
Coffee	77	*	19	-	*	108
Hops / 'Gesho'	-	-	-	-	-	-
Enset	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	-
Other permanent	*	-	*	-	*	*

Table 7 Farm Area Protected against Erosion as Reported by Farmers

Geographic area		Method of Protection					
		Terracing	Water catchments	Planting trees	Ploughing along the contour	Others	Total
Ethiopia	Holder	5,226,687	3,142,165	599,368	6,548,744	4,048,541	14,212,539
	Hectare	3,264,457	1,458,612	166,003	5,067,976	3,326,722	13,283,770
Tigray Region	Holder	468,048	539,890	26,257	315,871	4,143	948,211
	Hectare	284,824	338,742	3,499	222,166	57	849,288
North West Tigray	Holder	79,568	118,298	*	39,986	-	172,885
	Hectare	54,274	107,452	*	34,498	-	196,597
Central Tigray	Holder	95,922	183,733	2,952	104,532	*	280,497
	Hectare	41,671	104,375	*	72,163	*	218,351
East Tigray	Holder	116,682	104,341	13,179	37,365	*	182,175
	Hectare	55,132	35,691	1,143	10,174	*	102,142
South Tigray	Holder	138,705	93,710	*	81,998	*	218,762
	Hectare	114,527	43,690	*	54,279	*	214,111
Western Tigray	Holder	37,172	39,807	1,967	51,990	-	93,891
	Hectare	19,220	*	*	51,052	-	118,087
Afar Region	Holder	5,776	21,911	-	*	*	28,275
	Hectare	3,117	*	-	*	*	10,072
Zone 1	Holder	-	18,982	-	*	-	19,520
	Hectare	-	*	-	*	-	*
Zone 3	Holder	5,776	*	-	*	*	8,754
	Hectare	3,117	*	-	*	*	9,038
Amhara Region	Holder	2,444,786	983,336	124,884	1,563,312	1,203,028	3,906,616
	Hectare	1,718,640	448,489	19,894	1,264,568	821,311	4,272,902
North Gonder	Holder	347,906	178,961	*	319,567	162,668	608,545
	Hectare	260,012	81,521	*	332,173	*	807,339
South Gonder	Holder	326,299	171,448	8,759	291,340	110,524	495,167
	Hectare	192,759	95,145	592	187,437	33,271	509,204
North Wollo	Holder	246,694	84,420	7,507	102,655	29,978	317,311
	Hectare	193,210	31,313	*	43,060	*	277,367
South Wollo	Holder	457,483	167,490	41,931	110,907	128,023	615,931
	Hectare	275,438	73,084	8,298	52,921	48,015	457,756
North Shewa	Holder	306,777	116,624	4,446	177,084	164,983	440,388
	Hectare	260,656	54,475	*	118,682	118,561	552,692
East Gojjam	Holder	286,579	98,822	32,745	256,447	209,125	505,604
	Hectare	200,070	35,856	*	212,359	156,467	607,987
West Gojjam	Holder	243,065	98,146	12,469	180,014	264,786	517,843
	Hectare	159,779	42,352	710	188,538	210,498	601,878
Waghamera	Holder	83,955	22,651	*	19,658	*	94,696
	Hectare	73,745	15,547	*	21,451	*	111,260
Awi	Holder	75,166	23,079	*	95,659	112,259	212,625
	Hectare	64,124	9,258	*	103,931	101,019	281,805
Oromia Zone	Holder	64,391	19,996	5,330	9,061	19,045	90,970
	Hectare	34,773	9,378	*	3,572	10,520	60,474
Argoba Special	Holder	6,470	1,698	214	921	*	7,535
	Hectare	4,074	560	*	444	*	5,140
Oromia Region	Holder	1,277,998	894,503	220,402	2,596,561	2,140,819	5,351,527
	Hectare	909,687	420,131	84,686	2,510,240	2,220,060	6,144,804
West Welega	Holder	32,241	16,703	35,694	163,929	169,177	258,617
	Hectare	12,302	1,823	7,105	157,766	140,302	319,298
East Welega	Holder	10,135	14,580	7,295	92,113	166,993	222,550
	Hectare	*	*	*	116,905	223,153	365,741
Illubabor	Holder	78,119	19,015	11,264	133,862	98,992	266,305
	Hectare	87,054	8,797	*	140,799	90,151	329,395
Jimma	Holder	30,169	16,820	12,987	396,052	265,151	532,832
	Hectare	*	*	*	378,671	194,071	604,615
West Shewa	Holder	51,209	45,834	*	181,935	351,720	454,914
	Hectare	38,988	20,150	*	199,413	353,930	616,056

Table 7 (cont'd)

Geographic area		Method of Protection					
		Terracing	Water catchments	Planting trees	Ploughing along the contour	Others	Total
North Shewa	Holder	112,097	26,804	*	75,256	188,369	304,667
	Hectare	108,799	16,653	*	75,546	263,794	466,140
East Shewa	Holder	76,492	64,893	14,371	159,187	48,365	281,028
	Hectare	83,162	65,013	*	207,945	60,202	439,445
Arsi	Holder	87,004	89,455	17,639	241,788	198,775	506,376
	Hectare	54,673	41,657	6,303	284,188	207,717	594,538
West Harerge	Holder	189,552	210,947	*	158,217	*	373,562
	Hectare	110,402	105,328	*	85,246	*	302,866
East Harerge	Holder	419,534	247,387	*	155,522	*	576,881
	Hectare	253,395	49,850	*	48,189	*	355,413
Bale	Holder	37,076	41,727	*	173,949	66,867	285,456
	Hectare	33,598	39,890	*	202,567	73,536	350,421
Borena	Holder	20,820	22,818	*	40,822	29,433	115,729
	Hectare	*	*	*	21,634	10,600	53,878
South West Shewa	Holder	19,627	9,883	*	53,382	229,818	278,015
	Hectare	21,615	*	*	49,769	274,728	350,298
Guji	Holder	36,682	7,448	22,518	181,811	14,084	239,449
	Hectare	18,714	*	*	150,925	*	193,743
West Arsi	Holder	44,474	24,528	*	228,844	117,751	375,758
	Hectare	25,736	*	*	203,267	104,813	351,895
Kelem	Holder	21,143	24,826	18,752	95,368	103,572	163,695
	Hectare	*	14,270	8,732	83,258	74,015	191,518
Horoguduru	Holder	11,626	10,836	*	64,523	81,033	115,692
	Hectare	9,205	6,873	*	104,153	139,274	259,544
Somali Region	Holder	12,802	23,009	-	64,465	5,869	102,990
	Hectare	5,300	15,055	-	52,934	*	76,699
Shinele	Holder	5,846	*	-	*	*	7,388
	Hectare	2,178	*	-	*	*	3,013
Jijiga	Holder	*	15,750	-	54,529	*	78,248
	Hectare	*	14,231	-	48,958	*	69,332
Liben	Holder	-	*	-	8,560	*	17,354
	Hectare	-	*	-	3,222	*	4,353
Benishangul – Gumuz Reg.	Holder	9,927	76,424	3,987	103,577	59,208	203,590
	Hectare	4,576	55,590	*	121,831	50,091	234,449
Metekel Zone	Holder	7,124	21,292	*	48,950	25,727	83,895
	Hectare	4,074	27,197	*	75,261	28,637	137,277
Asosa	Holder	1,742	53,537	*	32,753	18,631	84,450
	Hectare	*	27,655	*	19,492	8,213	55,595
Kemashi	Holder	*	*	*	12,061	10,844	20,905
	Hectare	*	*	*	20,445	11,407	32,082
Mao Komo	Holder	*	1,283	*	9,813	4,005	14,341
	Hectare	*	*	*	6,633	1,834	9,494
S.N.N.P Region	Holder	966,375	589,594	222,906	1,879,821	616,426	3,584,450
	Hectare	314,610	172,108	55,522	886,950	224,539	1,653,728
Gurage	Holder	83,636	74,147	6,096	199,666	61,499	341,041
	Hectare	24,124	17,448	*	94,608	16,356	152,778
Hadiya	Holder	71,958	17,751	*	179,142	41,289	260,771
	Hectare	23,680	*	*	102,136	24,157	157,631
Kembata – Tembaro	Holder	49,766	8,203	4,904	104,916	8,700	129,136
	Hectare	14,948	677	*	39,285	*	58,301
Sidama	Holder	208,186	250,101	83,758	207,008	185,089	868,680
	Hectare	47,685	71,796	16,080	64,781	50,571	250,913
Gedio	Holder	38,348	*	29,457	65,955	92,720	226,611
	Hectare	6,559	*	4,001	18,349	18,924	49,779
Wolayita	Holder	98,111	29,505	11,832	203,687	41,444	304,067
	Hectare	27,261	6,108	*	79,925	12,674	129,160

Table 7 (cont'd)

Geographic area		Method of Protection					
		Terracing	Water catchments	Planting trees	Ploughing along the contour	Others	Total
South Omo	Holder	37,507	20,796	17,463	56,638	-	129,139
	Hectare	17,997	6,626	*	28,398	-	63,515
Sheka	Holder	*	9,307	*	26,841	8,874	48,052
	Hectare	*	8,065	*	17,174	4,451	32,738
Keffa	Holder	*	*	*	169,176	52,803	216,040
	Hectare	*	*	*	119,541	39,708	160,760
Gamo - Gofa	Holder	152,223	32,614	20,887	162,736	50,211	330,600
	Hectare	64,135	9,837	*	74,921	24,201	182,423
Benchi – Maji	Holder	*	22,926	*	126,289	17,314	159,287
	Hectare	*	8,637	*	53,303	*	65,483
Yem	Holder	728	930	*	15,049	10,681	19,956
	Hectare	372	*	*	15,675	8,944	25,290
Amaro	Holder	22,934	8,101	*	18,783	12,883	48,888
	Hectare	4,992	1,683	*	5,539	5,011	17,316
Burji	Holder	1,420	517	*	8,688	*	10,054
	Hectare	417	*	*	6,743	*	7,735
Konso	Holder	47,179	*	*	7,117	*	50,625
	Hectare	26,905	*	*	*	*	31,381
Derashe	Holder	11,343	10,090	*	7,907	*	26,505
	Hectare	2,599	9,565	*	3,713	*	20,042
Dawro	Holder	16,138	8,001	11,163	63,036	6,614	81,400
	Hectare	7,260	1,238	4,266	39,452	1,507	53,722
Basketo	Holder	1,846	2,770	4,906	9,428	1,788	18,117
	Hectare	431	973	1,176	3,360	364	6,304
Konta	Holder	*	749	3,893	29,519	-	34,153
	Hectare	*	*	*	14,815	-	17,726
Silitie	Holder	97,307	67,064	*	162,096	18,257	220,692
	Hectare	36,446	14,358	*	63,784	*	123,826
Alaba	Holder	12,407	9,287	*	56,144	*	60,636
	Hectare	*	2,920	*	38,084	*	46,904
Gambella Region	Holder	2,218	4,441	*	20,997	16,609	43,436
	Hectare	*	2,283	*	6,118	6,779	15,886
Agnuwak	Holder	1,186	3,078	*	7,359	*	11,534
	Hectare	*	1,795	*	2,996	*	5,510
Nuware	Holder	-	-	-	11,062	-	11,062
	Hectare	-	-	-	1,566	-	1,566
Mezenger	Holder	*	1,363	-	2,576	9,618	14,450
	Hectare	*	*	-	1,556	5,455	7,602
Itang	Holder	-	-	-	-	6,390	6,390
	Hectare	-	-	-	-	1,208	1,208
Harari Region	Holder	18,183	7,290	*	*	*	22,327
	Hectare	12,001	2,165	*	*	*	14,493
Dire Dawa	Holder	20,575	1,769	*	*	*	21,118
	Hectare	11,012	388	*	*	*	11,449

Table 8 Number of Holders Reporting Oxen Shortage by Coping Strategy

Geographic area	Coping strategy						
	Renting oxen	Pairing with Someone's ox	Pairing with horse/cow	Using horse / cow	Digging by hand	Borrowing oxen	Others
Ethiopia	854,966	3,019,174	167,468	166,770	2,647,924	2,451,877	558,393
Tigray Region	102,349	269,714	19,009	5,735	20,984	138,898	31,385
North West Tigray	13,946	41,917	*	*	*	10,737	2,501
Central Tigray	23,690	93,042	*	*	4,364	44,383	5,883
East Tigray	23,902	62,989	*	*	4,671	44,377	9,098
South Tigray	28,621	61,235	2,347	*	5,240	33,918	7,810
Western Tigray	12,190	10,531	1,855	*	3,165	5,484	*
Afar Region	19,722	10,205	*	*	*	*	*
Zone 1	15,434	7,555	*	*	*	*	*
Zone 3	4,288	2,650	*	-	*	*	*
Amhara Region	225,614	1,035,581	98,281	104,788	83,491	651,575	182,125
North Gonder	57,476	165,255	8,838	*	25,080	114,618	19,048
South Gonder	30,352	175,639	12,543	13,545	*	78,813	8,591
North Wollo	15,913	101,824	10,323	13,212	3,067	64,715	15,836
South Wollo	48,397	137,997	28,530	35,709	4,691	110,957	25,745
North Shewa	22,351	116,194	6,818	*	10,979	73,302	20,251
East Gojjam	15,794	140,796	11,702	11,808	11,979	72,201	16,011
West Gojjam	11,920	128,871	3,493	*	*	65,217	43,152
Waghamera	2,572	20,426	6,516	1,630	3,534	16,497	7,872
Awı	16,520	30,876	8,230	19,695	6,161	28,636	21,547
Oromia Zone	3,671	16,252	*	*	11,462	25,015	3,996
Argoba Special	648	1,450	150	-	415	1,604	75
Oromia Region	302,439	965,278	36,941	32,823	777,590	1,112,117	256,448
West Welega	37,512	61,639	*	*	20,879	58,414	9,888
East Welega	27,964	40,315	*	*	4,716	40,729	12,071
Illubabor	17,116	57,969	*	*	17,554	68,880	16,931
Jimma	24,352	150,147	*	*	13,869	132,679	36,980
West Shewa	30,882	78,082	*	*	22,905	80,299	33,182
South West Shewa	12,582	45,103	4,470	*	3,331	43,015	14,742
North Shewa	7,353	28,120	*	*	6,036	77,447	24,712
East Shewa	10,488	82,538	8,469	*	10,359	103,007	20,905
Arsi	18,823	113,210	*	*	50,442	83,212	16,200
West Harerge	17,518	85,757	5,005	*	298,686	96,144	13,906
East Harerge	1,527	30,001	*	*	11,117	70,226	6,404
Bale	15,922	9,046	-	*	99,661	36,718	3,869
Borena	25,880	49,180	*	-	21,828	36,289	18,917
Guji	*	16,885	*	*	107,082	25,442	*
West Arsi	19,062	63,498	*	*	66,102	117,022	5,338
Kelem	21,423	40,584	-	-	15,268	32,161	9,586
Horoguduru	8,272	13,205	*	2,081	7,754	10,433	10,911
Somali Region	23,764	10,300	*	*	38,993	24,050	25,326
Shinele	390	1,298	*	*	2,883	1,632	*
Jijiga	10,568	8,361	*	*	3,813	19,838	23,738
Liben	12,806	*	-	*	32,296	*	*
Benishangul – Gumuz	15,380	17,797	3,541	4,490	90,936	20,934	5,803
Metekel Zone	8,449	8,183	*	*	20,923	9,385	4,339
Asosa	4,679	4,854	*	1,722	51,654	8,603	*
Kemashi	1,250	2,774	*	1,749	10,243	1,040	261
Mao Komo	1,003	1,986	*	307	8,115	1,907	*
S.N.N.P Region	164,328	701,378	8,143	15,274	1,573,567	485,611	53,993
Gurage	31,504	47,052	-	6,025	178,231	21,355	4,707
Hadiya	12,360	93,188	*	*	14,527	82,317	2,258
Kembata – Tembaro	1,331	53,954	*	*	18,039	42,000	2,516
Sidama	20,187	39,094	-	*	745,968	14,414	*
Gedio	10,538	5,882	*	*	201,977	*	*
Wolayita	*	95,639	*	*	78,296	93,358	8,830
South Omo	13,911	12,277	*	-	49,889	17,578	3,564

Table 8 (cont'd)

Geographic Area	Coping strategy						
	Renting oxen	Pairing with Someone's ox	Pairing with horse/cow	Using horse / cow	Digging by hand	Borrowing oxen	Others
Sheka	5,260	13,013	-	-	6,694	8,924	8,561
Keffa	6,260	80,352	*	-	11,729	39,917	3,258
Gamo - Gofa	16,436	63,719	-	*	140,598	26,690	1,678
Benchi – Maji	9,779	30,392	*	*	37,626	26,088	*
Yem	456	4,349	*	-	1,072	2,915	1,592
Amaro	*	10,272	*	*	18,085	6,022	-
Burji	149	1,368	*	*	674	1,635	*
Konso	1,172	4,763	*	*	22,477	9,886	*
Derashe	1,539	3,301	-	*	9,646	3,774	*
Dawro	1,995	23,922	-	*	10,249	21,689	3,131
Basketo	2,511	3,153	*	*	8,806	907	*
Konta	*	12,253	*	*	4,668	7,765	606
Silitie	26,259	80,373	*	-	14,168	43,096	4,304
Alaba	1,176	23,063	-	*	*	14,597	1,009
Gambella Region	407	1,459	*	149	36,508	951	2,447
Agnuwak	157	633	*	*	8,100	735	*
Nuware	*	-	-	*	11,059	-	-
Mezhenger	*	811	*	*	10,523	*	2,381
Itang	-	*	-	-	6,826	-	-
Harari Region	615	2,801	*	543	13,055	2,345	420
Dire Dawa	347	4,662	*	*	9,241	5,233	*

Table 9: Number of Holders reporting Oxen

Geographic	No ox	One ox	Two oxen	Three oxen	Four oxen	Five oxen
Ethiopia	5,024,939	3,508,450	3,856,250	410,163	335,067	95,066
Tigray Region	229,498	312,445	328,905	28,312	14,710	3,733
North West Tigray	12,949	45,171	79,107	12,155	4,378	1,211
Central Tigray	70,400	102,781	100,097	3,030	*	*
East Tigray	68,060	77,565	35,355	*	-	-
South Tigray	66,903	66,930	75,814	6,040	2,891	*
Western Tigray	11,186	19,999	38,533	6,457	6,695	1,819
Afar Region	4,109	15,211	14,977	1,131	1,202	*
Zone 1	*	12,374	11,355	*	961	*
Zone 3	*	2,836	3,621	*	*	*
Amhara Region	796,032	1,245,274	1,311,647	174,018	66,362	17,050
North Gondar	199,103	195,899	184,615	21,146	9,813	*
South Gondar	123,022	197,079	159,237	13,434	*	*
North Wollo	45,761	122,927	88,878	4,667	1,335	*
South Wollo	125,740	178,643	215,661	9,355	5,033	-
North Shewa	92,293	129,887	177,422	14,061	3,098	*
East Gojjam	97,347	158,860	168,711	41,316	13,588	6,681
West Gojjam	60,984	154,454	198,131	53,901	12,486	*
Waghamera	*	30,783	29,892	2,485	2,033	829
Awı	37,169	51,353	58,778	11,786	11,444	*
Oromia Zone	12,223	23,518	27,433	1,593	824	*
Argoba Special	1,103	1,872	2,887	273	107	*
Oromia Region	1,951,636	1,146,719	1,598,868	166,889	217,642	58,638
West Welega	102,453	68,343	60,458	3,482	2,331	1,787
East Welega	80,450	47,770	75,567	6,799	9,501	4,123
Illubabor	105,939	67,677	64,304	9,453	7,794	3,589
Jimma	178,685	163,177	182,386	11,218	24,097	*
West Shewa	135,870	80,318	152,687	19,865	24,835	6,622
South West Shewa	36,990	53,154	144,566	12,973	16,763	3,794
North Shewa	91,369	47,591	94,387	10,231	24,144	8,580
East Shewa	123,019	97,629	213,869	25,840	23,954	9,920
Arsi	149,231	125,583	84,914	7,272	1,815	*
West Harerge	346,617	130,445	47,033	3,973	-	*
East Harerge	63,605	44,350	122,489	15,994	22,271	3,929
Bale	94,819	13,166	37,770	2,020	9,260	*
Borena	61,052	57,027	84,139	14,881	17,291	6,773
Guji	107,394	16,169	69,010	3,137	10,071	1,073
West Arsi	187,375	73,153	83,753	10,588	10,484	*
Kelem	55,435	45,974	39,313	3,025	2,241	*
Horoguduru	31,333	15,192	42,222	6,140	10,792	3,000
Somali Region	97,238	18,070	27,808	2,789	*	*
Shinele	3,976	1,631	767	*	-	*
Jijiga	49,865	15,638	19,987	2,562	*	*
Liben	43,397	*	7,054	*	*	*
Benishangul – Gumuz	126,966	24,238	32,922	5,980	5,887	1,611
Metekel Zone	33,199	12,472	20,006	5,194	5,477	1,577
Asosa	66,989	7,072	10,057	*	*	-
Kemashi	15,472	2,577	2,121	390	*	-
Mao Komo	11,306	2,116	738	*	*	*
S.N.N.P Region	1,761,119	735,458	535,951	30,598	27,581	12,808
Gurage	111,076	52,164	44,240	3,597	*	*
Hadiya	67,508	95,513	51,752	*	*	*
Kembata – Tembaro	55,516	54,681	10,643	-	*	-
Sidama	616,341	42,127	37,268	-	-	*
Gedio	137,655	6,238	4,577	-	-	*
Wolayita	195,156	104,723	20,044	*	*	-
South Omo	73,755	12,712	29,242	4,701	4,684	2,180

Table 9 (Cont'd)

Geographic	No ox	One ox	Two oxen	Three oxen	Four oxen	Five oxen
Sheka	29,153	13,021	5,314	-	*	*
Keffa	44,843	83,044	67,223	3,968	2,929	*
Gamo - Gofa	147,325	66,754	75,513	4,692	3,072	2,322
Benchi – Maji	47,437	34,630	45,068	2,883	3,767	*
Yem	3,866	4,858	8,516	640	278	*
Amaro	22,231	12,090	12,925	869	1,079	-
Burji	2,401	1,406	3,767	962	890	455
Konso	32,042	6,461	9,278	*	1,527	*
Derashe	13,116	3,778	6,957	1,289	654	*
Dawro	40,248	21,162	19,911	590	656	-
Basketo	11,566	4,335	2,668	*	*	*
Konta	11,253	11,799	8,484	335	*	-
Silitie	82,848	81,066	54,710	2,906	*	-
Alaba	15,783	22,897	17,853	868	1,186	*
Gambella Region	30,910	1,565	1,941	*	*	*
Agnuwak	5,005	754	1,635	*	*	*
Nuware	8,840	-	-	-	-	-
Mezhenger	13,076	811	306	-	-	*
Itang	3,989	-	-	-	-	*
Harari Region	12,800	4,565	1,826	*	*	-
Dire Dawa	14,631	4,907	1,405	229	*	-

Table 10: Total Area and Crop Harvesting frequency by crop type
National

Crop Type	Area	Once	Twice
All	13,358,850.94	13,211,862.31	146,937.50
Cereals	9,690,733.96	9,593,064.29	97,669.30
Teff	2,761,190.05	2,746,594.88	14,595.16
Barley	1,046,555.30	1,027,319.92	19,235.37
Wheat	1,553,239.89	1,547,073.58	6,166.31
Maize	1,963,179.51	1,926,550.65	36,628.49
Sorghum	1,897,733.98	1,895,910.46	1,823.52
Finger millet	408,110.31	407,081.64	0.01
Oats / 'Aja'	30,858.76	30,746.91	0.01
Rice	29,866.16	11,786.24	0.01
Pulses	1,357,522.68	1,317,759.93	39,762.75
Horse / Faba beans	459,183.51	457,098.57	2,084.95
Field Peas	203,990.64	203,213.53	777.11
Haricot beans	237,366.39	232,868.41	0.01
Chick peas	208,388.62	194,663.90	13,724.72
Lentils	77,334.22	76,215.78	0.01
Vetch / Grass peas	131,043.99	114,552.99	16,490.99
Soya beans	11,261.12	10,631.33	0.01
Fenugreek	14,670.04	14,231.27	438.77
Gibto	14,284.15	14,284.15	-
Oilseeds	774,529.55	772,590.62	0.01
Neug	247,611.17	246,121.39	0.01
Linseed	73,687.70	73,471.34	0.01
Groundnuts	49,602.97	49,600.52	0.01
Safflower	5,489.79	5,481.05	0.01
Sesame	384,682.79	384,535.09	0.01
Rapeseed	13,455.12	13,381.22	73.9
Vegetables	126,675.68	124,568.75	2,106.93
Lettuce	48.76	46.85	0.01
Head cabbage	2,138.26	2,068.30	0.01
Ethiopian cabbage	29,815.34	28,696.26	1,119.08
Tomatoes	5,337.99	4,836.48	0.01
Green peppers	5,789.10	5,745.51	0.01
Red peppers	83,416.06	83,054.47	361.59
Swiss chard	130.16	120.88	0.01
Root crops	214,346.45	211,111.48	3,234.78
Beetroot	1,429.72	1,418.06	0.01
Carrot	2,214.85	2,073.99	0.01
Onion	22,035.80	20,841.05	0.01
Potatoes	54,006.82	52,827.53	1,179.28
Garlic	10,690.41	10,536.07	154.34
Taro 'Godere'	42,270.88	42,185.72	0.01
Sweet potatoes	81,697.98	81,229.05	0.01
Other Temporary	77,435.01	76,293.54	0.01
Fruit Crops	54,646.71	54,607.39	38.95
Avocado	7,212.21	7,209.51	0.01
Bananas	31,885.86	31,866.39	0.01
Guava	1,834.68	1,834.68	-
Lemons	495.74	495.74	-
Mangoes	7,512.89	7,508.25	0.01
Oranges	3,228.91	3,228.91	-
Papayas	2,238.70	2,226.19	0.01
Pineapples	237.72	237.72	-
Stimulant Crops	724,935.88	724,085.27	841.63
Chat	204,648.74	204,340.83	306.61
Coffee	498,617.85	498,230.38	0.01
Hops / 'Gesho'	21,669.30	21,514.06	0.01
Enset	301,978.68	301,791.07	149.56
Sugar cane	23,341.51	23,299.94	0.01
Other permanent	12,704.81	12,690.03	0.01

Table 10.1: Total Area and Crop Harvesting frequency by crop type

Tigary

Crop Type	Area	Once	Twice
All	849,288.14	846,390.33	2,897.81
Cereals	713,491.63	711,006.77	2,484.86
Teff	165,803.79	165,579.80	0.01
Barley	90,648.61	90,118.26	0.01
Wheat	100,175.69	99,638.75	536.94
Maize	62,857.22	61,809.16	1,048.06
Sorghum	216,878.62	216,733.09	0.01
Finger millet	76,065.32	76,065.32	-
Oats / 'Aja'	0.01	0.01	-
Rice	0.01	0.01	-
Pulses	36,701.18	36,620.10	0.01
Horse / Faba beans	12,745.64	12,664.56	0.01
Field Peas	3,333.92	3,333.92	-
Haricot beans	0.01	0.01	-
Chick peas	6,660.21	6,660.21	-
Lentils	4,738.73	4,738.73	-
Vetch / Grass peas	7,271.42	7,271.42	-
Soya beans	-	-	-
Fenugreek	0.01	0.01	-
Gibto	-	-	-
Oilseeds	84,267.95	84,265.50	0.01
Neug	4,456.23	4,456.23	-
Linseed	6,210.17	6,210.17	-
Groundnuts	0.01	0.01	0.01
Safflower	159.51	159.51	-
Sesame	73,424.85	73,424.85	-
Rapeseed	7.34	7.34	-
Vegetables	2,808.69	2,639.26	0.01
Lettuce	0.01	0.01	0.01
Head cabbage	102.27	0.01	0.01
Ethiopian cabbage	0.01	0.01	-
Tomatoes	321.73	301.2	0.01
Green peppers	601.54	581.36	0.01
Red peppers	1,759.75	1,694.65	0.01
Swiss chard	12.98	0.01	0.01
Root crops	2,335.04	2,202.78	0.01
Beetroot	0.01	0.01	-
Carrot	0.01	0.01	0.01
Onion	528.4	511.77	0.01
Potatoes	0.01	0.01	0.01
Garlic	716.07	713.47	0.01
Taro 'Godere'	-	-	-
Sweet potatoes	0.01	0.01	-
Other Temporary	670.07	655.48	0.01
Fruit Crops	514.43	513.62	0.01
Avocado	0.01	0.01	0.01
Bananas	0.01	0.01	-
Guava	210.09	210.09	-
Lemons	23.68	23.68	-
Mangoes	0.01	0.01	-
Oranges	0.01	0.01	-
Papayas	68	68	-
Pineapples	-	-	-
Stimulant Crops	2,310.10	2,297.79	0.01
Chat	0.01	0.01	0.01
Coffee	0.01	0.01	-
Hops / 'Geshe'	1,805.39	1,793.28	0.01
Enset	-	-	-
Sugar cane	0.01	0.01	-
Other permanent	6,164.07	6,164.07	-

Table 10.2: Total Area and Crop Harvesting frequency by crop type

Afar

Crop Type	Area	Once	Twice
All	10,072.00	10,072.00	-
Cereals	7,673.08	7,673.08	-
Teff	0.01	0.01	-
Barley	0.01	0.01	-
Wheat	0.01	0.01	-
Maize	0.01	0.01	-
Sorghum	2,700.93	2,700.93	-
Finger millet	-	-	-
Oats / 'Aja'	0.01	0.01	-
Rice	-	-	-
Pulses	0.01	0.01	-
Horse / Faba beans	-	-	-
Field Peas	-	-	-
Haricot beans	0.01	0.01	-
Chick peas	0.01	0.01	-
Lentils	-	-	-
Vetch / Grass peas	-	-	-
Soya beans	-	-	-
Fenugreek	-	-	-
Gibto	-	-	-
Oilseeds	0.01	0.01	-
Neug	-	-	-
Linseed	0.01	0.01	-
Groundnuts	-	-	-
Safflower	0.01	0.01	-
Sesame	0.01	0.01	-
Rapeseed	0.01	0.01	-
Vegetables	44.12	44.12	-
Lettuce	-	-	-
Head cabbage	0.01	0.01	-
Ethiopian cabbage	-	-	-
Tomatoes	0.01	0.01	-
Green peppers	0.01	0.01	-
Red peppers	0.01	0.01	-
Swiss chard	-	-	-
Root crops	0.01	0.01	-
Beetroot	-	-	-
Carrot	-	-	-
Onion	0.01	0.01	-
Potatoes	-	-	-
Garlic	-	-	-
Taro 'Godere'	-	-	-
Sweet potatoes	0.01	0.01	-
Other Temporary	0.01	0.01	-
Fruit Crops	0.01	0.01	-
Avocado	0.01	0.01	-
Bananas	0.01	0.01	-
Guava	0.01	0.01	-
Lemons	0.01	0.01	-
Mangoes	0.01	0.01	-
Oranges	0.01	0.01	-
Papayas	0.01	0.01	-
Pineapples	-	-	-
Stimulant Crops	0.01	0.01	-
Chat	0.01	0.01	-
Coffee	0.01	0.01	-
Hops / 'Geshe'	0.01	0.01	-
Enset	-	-	-
Sugar cane	0.01	0.01	-
Other permanent	373.6	373.6	-

Table 10.3: Total Area and Crop Harvesting frequency by crop type

Amahara

Crop Type	Area	Once	Twice
All	4,273,011.19	4,186,201.26	86,806.09
Cereals	3,271,029.77	3,215,358.72	55,671.05
Teff	1,014,267.85	1,005,793.51	8,474.34
Barley	328,268.73	314,563.38	13,705.35
Wheat	498,748.68	496,556.44	2,192.25
Maize	472,260.11	461,054.70	11,205.40
Sorghum	710,731.78	709,769.56	0.01
Finger millet	216,959.97	215,975.63	0.01
Oats / 'Aja'	5,769.06	5,701.84	0.01
Rice	0.01	5,943.67	0.01
Pulses	553,380.72	525,431.78	27,948.94
Horse / Faba beans	175,947.79	175,466.83	0.01
Field Peas	77,205.48	76,745.14	0.01
Haricot beans	38,052.40	37,726.05	0.01
Chick peas	108,810.77	99,493.33	9,317.44
Lentils	45,391.56	44,351.41	0.01
Vetch / Grass peas	82,531.02	67,117.81	15,413.20
Soya beans	0.01	0.01	0.01
Fenugreek	8,835.90	8,555.20	0.01
Gibto	13,992.40	13,992.40	-
Oilseeds	325,197.32	324,795.99	0.01
Neug	76,320.17	76,302.01	0.01
Linseed	25,335.05	25,151.21	0.01
Groundnuts	0.01	0.01	-
Safflower	4,141.17	4,141.17	-
Sesame	207,103.06	206,955.36	0.01
Rapeseed	9,560.03	9,508.40	51.63
Vegetables	32,501.67	32,182.93	0.01
Lettuce	10.96	10.96	-
Head cabbage	292.38	282.35	0.01
Ethiopian cabbage	687.35	681.66	0.01
Tomatoes	256.15	219.87	0.01
Green peppers	1,343.00	1,327.64	0.01
Red peppers	29,881.57	29,630.19	0.01
Swiss chard	30.26	30.26	-
Root crops	34,888.64	33,426.50	1,462.14
Beetroot	127.45	124.1	0.01
Carrot	266.97	266.97	-
Onion	7,111.42	6,701.53	0.01
Potatoes	20,546.94	19,604.43	942.5
Garlic	5,202.59	5,098.20	0.01
Taro 'Godere'	-	-	-
Sweet potatoes	0.01	0.01	0.01
Other Temporary	13,888.59	13,029.95	0.01
Fruit Crops	3,271.39	3,271.39	-
Avocado	68.36	68.36	-
Bananas	914.79	914.79	-
Guava	319.38	319.38	-
Lemons	232.18	232.18	-
Mangoes	280.79	280.79	-
Oranges	1,198.64	1,198.64	-
Papayas	257.22	257.22	-
Pineapples	0.01	0.01	-
Stimulant Crops	34,341.48	34,192.38	0.01
Chat	8,080.69	8,080.69	-
Coffee	12,006.49	11,999.24	0.01
Hops / 'Geshe'	14,254.30	14,112.46	0.01
Enset	0.01	0.01	-
Sugar cane	3,199.81	3,199.81	-
Other permanent	1,305.98	1,305.98	-

Table 10.4: Total Area and Crop Harvesting frequency by crop type

Oromia

Crop Type	Area	Once	Twice
All	6,218,793.53	6,169,855.17	48,904.83
Cereals	4,576,386.63	4,542,335.60	34,051.03
Teff	1,289,405.27	1,284,276.09	5,129.18
Barley	513,707.03	510,701.92	3,005.10
Wheat	815,975.59	813,004.23	2,971.36
Maize	1,109,276.03	1,086,497.81	22,778.22
Sorghum	739,361.26	739,259.51	0.01
Finger millet	81,808.99	81,788.19	0.01
Oats / 'Aja'	24,494.31	24,449.69	0.01
Rice	2,358.14	2,358.14	-
Pulses	552,162.41	541,959.71	10,202.70
Horse / Faba beans	199,063.27	198,270.37	792.9
Field Peas	77,605.85	77,318.05	287.8
Haricot beans	112,779.68	109,037.28	0.01
Chick peas	85,119.16	81,021.89	4,097.27
Lentils	26,560.42	26,482.12	0.01
Vetch / Grass peas	40,691.03	39,645.07	1,045.96
Soya beans	4,835.54	4,835.54	-
Fenugreek	5,303.58	5,145.51	0.01
Gibto	203.89	203.89	-
Oilseeds	307,313.11	305,790.03	0.01
Neug	158,747.75	157,277.03	0.01
Linseed	40,778.05	40,756.70	0.01
Groundnuts	32,967.80	32,967.80	-
Safflower	0.01	0.01	0.01
Sesame	70,238.66	70,238.66	-
Rapeseed	3,655.13	3,632.86	0.01
Vegetables	50,613.66	49,710.57	903.09
Lettuce	26.19	26.19	-
Head cabbage	1,108.33	1,106.84	0.01
Ethiopian cabbage	9,014.54	8,589.67	424.87
Tomatoes	3,719.79	3,280.22	0.01
Green peppers	2,430.18	2,428.58	0.01
Red peppers	34,284.52	34,249.24	0.01
Swiss chard	30.11	29.83	0.01
Root crops	83,278.23	81,950.94	0.01
Beetroot	932.49	924.48	0.01
Carrot	0.01	0.01	0.01
Onion	12,054.97	11,407.41	0.01
Potatoes	24,343.19	24,153.91	189.28
Garlic	4,109.70	4,065.38	44.32
Taro 'Godere'	6,748.83	6,744.55	0.01
Sweet potatoes	33,733.44	33,355.33	0.01
Other Temporary	25,457.05	25,231.63	0.01
Fruit Crops	19,962.75	19,930.56	0.01
Avocado	2,229.05	2,229.05	-
Bananas	10,667.86	10,651.53	0.01
Guava	0.01	0.01	-
Lemons	0.01	0.01	-
Mangoes	3,791.54	3,786.90	0.01
Oranges	1,204.60	1,204.60	-
Papayas	880.67	869.45	0.01
Pineapples	0.01	0.01	-
Stimulant Crops	503,564.77	503,005.96	556.41
Chat	148,532.46	148,264.76	0.01
Coffee	351,170.51	350,880.67	0.01
Hops / 'Gescho'	3,861.81	3,860.52	-
Enset	90,862.45	90,788.30	0.01
Sugar cane	7,390.72	7,357.72	0.01
Other permanent	1,801.74	1,794.14	0.01

Table 10.5: Total Area and Crop Harvesting frequency by crop type

Somalie

Crop Type	Area	Once	Twice
All	76,698.97	76,382.82	0.01
Cereals	67,922.29	67,642.39	0.01
Teff	0.01	0.01	-
Barley	0.01	0.01	-
Wheat	4,279.81	4,279.81	-
Maize	28,094.49	27,880.52	0.01
Sorghum	34,608.39	34,542.47	0.01
Finger millet	0.01	0.01	-
Oats / 'Aja'	0.01	0.01	-
Rice	-	-	-
Pulses	0.01	0.01	0.01
Horse / Faba beans	-	-	-
Field Peas	-	-	-
Haricot beans	0.01	0.01	0.01
Chick peas	-	-	-
Lentils	0.01	0.01	-
Vetch / Grass peas	-	-	-
Soya beans	-	-	-
Fenugreek	-	-	-
Gibto	-	-	-
Oilseeds	0.01	0.01	-
Neug	-	-	-
Linseed	0.01	0.01	-
Groundnuts	0.01	0.01	-
Safflower	-	-	-
Sesame	0.01	0.01	-
Rapeseed	-	-	-
Vegetables	0.01	0.01	0.01
Lettuce	-	-	-
Head cabbage	-	-	-
Ethiopian cabbage	-	-	-
Tomatoes	0.01	0.01	-
Green peppers	0.01	0.01	0.01
Red peppers	0.01	0.01	-
Swiss chard	0.01	0.01	-
Root crops	0.01	0.01	0.01
Beetroot	-	-	-
Carrot	0.01	0.01	-
Onion	0.01	0.01	-
Potatoes	-	-	-
Garlic	0.01	0.01	-
Taro 'Godere'	-	-	-
Sweet potatoes	0.01	0.01	0.01
Other Temporary	0.01	0.01	-
Fruit Crops	301.87	301.87	-
Avocado	-	-	-
Bananas	0.01	0.01	-
Guava	0.01	0.01	-
Lemons	47.9	47.9	-
Mangoes	45.77	45.77	-
Oranges	90.07	90.07	-
Papayas	0.01	0.01	-
Pineapples	-	-	-
Stimulant Crops	4,741.77	4,736.70	0.01
Chat	4,737.81	4,732.75	0.01
Coffee	0.01	0.01	-
Hops / 'Geshe'	-	-	-
Enset	-	-	-
Sugar cane	0.01	0.01	-
Other permanent	0.01	0.01	-

Table 10.6: Total Area and Crop Harvesting frequency by crop type

Benshangule-Gumuz

Crop Type	Area	Once	Twice
All	234,448.55	234,393.92	0.01
Cereals	168,190.70	168,150.81	0.01
Teff	23,648.11	23,645.32	0.01
Barley	1,264.49	1,250.92	0.01
Wheat	2,690.40	2,690.40	-
Maize	43,855.14	43,855.14	-
Sorghum	66,575.66	66,575.66	-
Finger millet	29,472.09	29,448.56	0.01
Oats / 'Aja'	0.01	0.01	-
Rice	0.01	0.01	-
Pulses	11,008.79	11,007.81	0.01
Horse / Faba beans	794.65	794.49	0.01
Field Peas	504.82	504.82	-
Haricot beans	5,966.06	5,965.77	0.01
Chick peas	263.66	263.11	0.01
Lentils	0.01	0.01	-
Vetch / Grass peas	-	-	-
Soya beans	0.01	0.01	-
Fenugreek	0.01	0.01	-
Gibto	0.01	0.01	-
Oilseeds	48,369.49	48,357.42	0.01
Neug	7,804.95	7,804.04	0.01
Linseed	439.59	428.43	0.01
Groundnuts	9,968.73	9,968.73	-
Safflower	0.01	0.01	-
Sesame	30,005.88	30,005.88	-
Rapeseed	0.01	0.01	-
Vegetables	1,432.32	1,431.25	0.01
Lettuce	0.01	0.01	-
Head cabbage	15.04	15.04	-
Ethiopian cabbage	61.48	60.4	0.01
Tomatoes	0.01	0.01	-
Green peppers	0.01	0.01	-
Red peppers	1,110.03	1,110.03	-
Swiss chard	0.01	0.01	-
Root crops	1,023.53	1,023.53	-
Beetroot	9.28	9.28	-
Carrot	0.01	0.01	-
Onion	121.15	121.15	-
Potatoes	0.01	0.01	-
Garlic	56.08	56.08	-
Taro 'Godere'	15.46	15.46	-
Sweet potatoes	505.89	505.89	-
Other Temporary	1,753.32	1,752.71	0.01
Fruit Crops	1,064.92	1,064.92	-
Avocado	2.59	2.59	-
Bananas	345.26	345.26	-
Guava	0.01	0.01	-
Lemons	21.43	21.43	-
Mangoes	555.44	555.44	-
Oranges	43.37	43.37	-
Papayas	57.8	57.8	-
Pineapples	0.01	0.01	-
Stimulant Crops	1,462.28	1,462.28	-
Chat	531.66	531.66	-
Coffee	858.02	858.02	-
Hops / 'Gescho'	72.6	72.6	-
Enset	3.56	3.56	-
Sugar cane	120.29	120.29	-
Other permanent	19.36	19.36	-

Table 10.7: Total Area and Crop Harvesting frequency by crop type

S.N.N.P.R.

Crop Type	Area	Once	Twice
All	1,654,710.82	1,646,785.04	7,912.01
Cereals	859,340.71	854,225.32	5,115.02
Teff	265,377.07	264,612.20	764.86
Barley	111,756.36	109,775.36	0.01
Wheat	131,162.87	130,697.10	0.01
Maize	237,354.61	235,977.66	0.01
Sorghum	107,735.23	107,208.42	0.01
Finger millet	3,800.09	3,800.09	-
Oats / 'Aja'	301.95	301.95	-
Rice	0.01	0.01	-
Pulses	202,224.44	200,700.65	0.01
Horse / Faba beans	70,622.50	69,892.66	0.01
Field Peas	45,338.44	45,309.47	0.01
Haricot beans	76,893.19	76,469.50	0.01
Chick peas	7,498.04	7,188.58	0.01
Lentils	574.18	574.18	-
Vetch / Grass peas	549.61	517.78	0.01
Soya beans	498.44	498.44	-
Fenugreek	246.5	246.5	-
Gibto	0.01	0.01	-
Oilseeds	5,260.36	5,260.36	-
Neug	0.01	0.01	-
Linseed	840.61	840.61	-
Groundnuts	635.04	635.04	-
Safflower	71.72	71.72	-
Sesame	0.01	0.01	-
Rapeseed	0.01	0.01	-
Vegetables	38,352.13	37,644.12	0.01
Lettuce	0.01	0.01	-
Head cabbage	612.55	610.06	0.01
Ethiopian cabbage	20,022.78	19,335.33	0.01
Tomatoes	268.12	265.79	0.01
Green peppers	1,120.05	1,116.11	0.01
Red peppers	16,271.67	16,263.14	0.01
Swiss chard	55.93	52.68	0.01
Root crops	91,044.16	90,762.93	0.01
Beetroot	344.7	344.4	0.01
Carrot	219.79	219.39	0.01
Onion	1,500.28	1,380.36	0.01
Potatoes	8,068.70	8,051.74	0.01
Garlic	602.37	599.34	0.01
Taro 'Godere'	35,414.33	35,333.46	0.01
Sweet potatoes	44,893.99	44,834.23	0.01
Other Temporary	34,542.16	34,499.96	0.01
Fruit Crops	28,708.75	28,702.74	5.77
Avocado	4,872.18	4,870.30	0.01
Bananas	19,498.18	19,495.04	0.01
Guava	117.17	117.17	-
Lemons	57.58	57.58	-
Mangoes	2,470.32	2,470.32	-
Oranges	586.63	586.63	-
Papayas	885.76	884.77	0.01
Pineapples	0.01	0.01	-
Stimulant Crops	169,468.00	169,347.23	118.02
Chat	36,969.47	36,937.64	0.01
Coffee	130,846.79	130,757.85	86.37
Hops / 'Geshe'	1,651.74	1,651.74	-
Enset	210,709.56	210,596.27	105.67
Sugar cane	12,230.96	12,222.39	0.01
Other permanent	2,829.59	2,823.08	0.01

Table 10.8: Total Area and Crop Harvesting frequency by crop type

Gambella

Crop Type	Area	Once	Twice
All	15,885.80	15,864.22	0.01
Cereals	9,770.36	9,749.37	0.01
Teff	0.01	0.01	-
Barley	0.01	0.01	-
Wheat	0.01	0.01	-
Maize	6,051.10	6,050.92	0.01
Sorghum	3,528.41	3,507.59	0.01
Finger millet	0.01	0.01	-
Oats / 'Aja'	0.01	0.01	-
Rice	0.01	0.01	-
Pulses	41.88	41.88	-
Horse / Faba beans	0.01	0.01	-
Field Peas	0.01	0.01	-
Haricot beans	25.31	25.31	-
Chick peas	0.01	0.01	-
Lentils	0.01	0.01	-
Vetch / Grass peas	0.01	0.01	-
Soya beans	0.01	0.01	-
Fenugreek	0.01	0.01	-
Gibto	-	-	-
Oilseeds	35.42	35.42	-
Neug	-	-	-
Linseed	-	-	-
Groundnuts	0.01	0.01	-
Safflower	0.01	0.01	-
Sesame	13.3	13.3	-
Rapeseed	0.01	0.01	-
Vegetables	137.41	137.01	0.01
Lettuce	0.01	0.01	-
Head cabbage	3.81	3.81	-
Ethiopian cabbage	28.39	28.39	-
Tomatoes	12.24	12.24	-
Green peppers	24.96	24.56	0.01
Red peppers	0.01	0.01	-
Swiss chard	-	-	-
Root crops	262.74	262.74	-
Beetroot	0.01	0.01	-
Carrot	0.01	0.01	-
Onion	0.01	0.01	-
Potatoes	0.01	0.01	-
Garlic	0.01	0.01	-
Taro 'Godere'	92.25	92.25	-
Sweet potatoes	155.84	155.84	-
Other Temporary	1,074.81	1,074.81	-
Fruit Crops	448.58	448.58	-
Avocado	29.55	29.55	-
Bananas	197.45	197.45	-
Guava	2.37	2.37	-
Lemons	0.01	0.01	-
Mangoes	175.48	175.48	-
Oranges	6.68	6.68	-
Papayas	32.47	32.47	-
Pineapples	3.46	3.46	-
Stimulant Crops	3,614.96	3,614.96	-
Chat	148.35	148.35	-
Coffee	3,443.40	3,443.40	-
Hops / 'Geshe'	23.21	23.21	-
Enset	397.29	397.11	0.01
Sugar cane	100.13	100.13	-
Other permanent	2.23	2.23	-

Table 10.9: Total Area and Crop Harvesting frequency by crop type

Harari Region

Crop Type	Area	Once	Twice
All	14,493.35	14,487.07	0.01
Cereals	7,728.84	7,728.31	0.01
Teff	0.01	0.01	-
Barley	17.48	17.48	-
Wheat	116.51	116.51	-
Maize	808.72	808.19	0.01
Sorghum	6,762.14	6,762.14	-
Finger millet	0.01	0.01	-
Oats / 'Aja'	0.01	0.01	-
Rice	-	-	-
Pulses	0.01	0.01	-
Horse / Faba beans	-	-	-
Field Peas	-	-	-
Haricot beans	0.01	0.01	-
Chick peas	0.01	0.01	-
Lentils	0.01	0.01	-
Vetch / Grass peas	-	-	-
Soya beans	-	-	-
Fenugreek	-	-	-
Gibto	-	-	-
Oilseeds	1,686.98	1,686.98	-
Neug	-	-	-
Linseed	-	-	-
Groundnuts	1,679.31	1,679.31	-
Safflower	-	-	-
Sesame	0.01	0.01	-
Rapeseed	-	-	-
Vegetables	24.77	24.77	-
Lettuce	-	-	-
Head cabbage	0.01	0.01	-
Ethiopian cabbage	-	-	-
Tomatoes	0.01	0.01	-
Green peppers	0.01	0.01	-
Red peppers	-	-	-
Swiss chard	-	-	-
Root crops	363.58	360.7	0.01
Beetroot	-	-	-
Carrot	-	-	-
Onion	-	-	-
Potatoes	0.01	0.01	-
Garlic	-	-	-
Taro 'Godere'	-	-	-
Sweet potatoes	350.08	347.2	0.01
Other Temporary	14.59	14.59	-
Fruit Crops	219.33	219.33	-
Avocado	0.01	0.01	-
Bananas	21.05	21.05	-
Guava	0.01	0.01	-
Lemons	12.61	12.61	-
Mangoes	160.15	160.15	-
Oranges	-	-	-
Papayas	19.66	19.66	-
Pineapples	-	-	-
Stimulant Crops	4,189.25	4,186.37	0.01
Chat	4,146.52	4,143.64	0.01
Coffee	42.73	42.73	-
Hops / 'Geshe'	-	-	-
Enset	-	-	-
Sugar cane	258.45	258.45	-
Other permanent	0.01	0.01	-

Table 10.10: Total Area and Crop Harvesting frequency by crop type

Dire Dawa Region

Crop Type	Area	Once	Twice
All	11,448.58	11,430.49	0.01
Cereals	9,199.96	9,193.92	0.01
Teff	-	-	-
Barley	0.01	0.01	-
Wheat	0.01	0.01	-
Maize	320.34	314.78	0.01
Sorghum	8,851.57	8,851.09	0.01
Finger millet	-	-	-
Oats / 'Aja'	-	-	-
Rice	-	-	-
Pulses	273.04	273.04	-
Horse / Faba beans	-	-	-
Field Peas	-	-	-
Haricot beans	272.98	272.98	-
Chick peas	-	-	-
Lentils	-	-	-
Vetch / Grass peas	-	-	-
Soya beans	-	-	-
Fenugreek	0.01	0.01	-
Gibto	-	-	-
Oilseeds	201.63	201.63	-
Neug	-	-	-
Linseed	-	-	-
Groundnuts	0.01	0.01	-
Safflower	-	-	-
Sesame	49.97	49.97	-
Rapeseed	-	-	-
Vegetables	0.01	24.58	0.01
Lettuce	-	-	-
Head cabbage	-	-	-
Ethiopian cabbage	-	-	-
Tomatoes	0.01	0.01	0.01
Green peppers	0.01	0.01	0.01
Red peppers	0.01	-	0.01
Swiss chard	-	-	-
Root crops	292.93	289.16	0.01
Beetroot	-	-	-
Carrot	-	-	-
Onion	0.01	0.01	0.01
Potatoes	0.01	0.01	0.01
Garlic	0.01	0.01	-
Taro 'Godere'	-	-	-
Sweet potatoes	259.88	259.11	0.01
Other Temporary	0.01	0.01	-
Fruit Crops	69.92	69.62	0.01
Avocado	-	-	-
Bananas	0.01	0.01	-
Guava	11.73	11.73	-
Lemons	2.9	2.9	-
Mangoes	22.63	22.63	-
Oranges	0.01	0.01	-
Papayas	19.08	18.78	0.01
Pineapples	-	-	-
Stimulant Crops	1,240.24	1,238.56	0.01
Chat	1,115.53	1,115.29	0.01
Coffee	124.72	123.27	0.01
Hops / 'Geshe'	-	-	-
Enset	-	-	-
Sugar cane	-	-	-
Other permanent	0.01	0.01	0.01

APPENDIX I

ESTIMATION PROCEDURES OF TOTALS, RATIOS 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, total holders, quantity of fertilizer applied and seed sowed, and ratios 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} stratum 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 Number of Holders:

$$\hat{Y}_h = \sum_{i=1}^{n_h} W_{hi} y_{hi}$$

Where:

y_{hi} is the sample total number of holders of i^{th} EA in the h^{th} stratum.

\hat{Y}_h is estimate of total number of holders for the h^{th} stratum.

W_{hi} is as defined above.

3. For Estimating Quantity of Fertilizer and seed in Stratum h :

$$\hat{Q}_h = \sum_{i=1}^{n_h} W_{hi} q_{hi}$$

where,

\hat{Q}_h is estimate of total quantity of a specific fertilizer applied or seed sowed for a specific crop land in the h^{th} stratum.

q_{hi} is the sample total of a specific fertilizer applied or seed sowed for a specific crop land in the i^{th} EA in the h^{th} stratum.

W_{hi} is as defined above.

4. For Estimating Ratios in Stratum h:

$$\hat{R}_h = \frac{\hat{Z}_h}{\hat{X}_h},$$

Where, the numerator and denominator are estimates of domain totals for characteristic z and x, respectively.

5. Sampling Variance of Estimates:

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

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

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

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

$$Var(\hat{R}_h) = \frac{1}{\hat{X}_h^2} \left[Var(\hat{Z}_h) + \hat{R}_h^2 Var(\hat{X}_h) - 2\hat{R}_h Cov(\hat{Z}_h, \hat{X}_h) \right]$$

Where,

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

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 .

$\hat{A}_{hi}, \hat{Y}_{hi}, \hat{Q}_{hi}, \hat{Z}_{hi}, \hat{X}_{hi}$ are weighted total area, holder, quantity of fertilizer or seed, characteristics z and x, respectively, in the i^{th} EA and h^{th} stratum.

$\hat{A}_{hij}, \hat{Y}_{hij}, \hat{Q}_{hij}, \hat{Z}_{hij}, \hat{X}_{hij}$ are weighted value of area, holder, quantity of fertilizer or seed, characteristics z and x, respectively, from j^{th} agricultural household in the i^{th} EA and h^{th} stratum.

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.

$$Var(\hat{A}) = \sum_h^L Var(\hat{A}_h), Var(\hat{Y}) = \sum_h^L Var(\hat{Y}_h), Var(\hat{R}) = \sum_{i=1}^L Var(\hat{R}_h)$$

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.

6. Coefficient of Variation (CV) of Estimates:

Coefficient of Variations (CV's) in percentage for estimates of stratum total area, number of holders, applied fertilizer and sowed seed for a specific crop are given by:

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

$$CV(\hat{R}_h) = \frac{\sqrt{Var(\hat{R}_h)}}{\hat{R}_h} * 100$$

7. Ninety-five Percent Confidence Interval (CI) of Stratum Total of Area:

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

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

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

APPENDIX II
ESTIMATES OF STANDARD ERRORS AND COEFFICIENT OF
VARIATIONS

APPENDIX II Estimate of Inputs Applied Area, quantity of inputs used and their Standard Errors and Coefficient of Variations

Crop	All fertilizer						DAP		
	Area (ha)			Quantity (qt)			Area (ha)		
	Estimate	S.E	C.V	Estimate	S.E	C.V	Estimate	S.E	C.V
All	6,744,017	126,407	1.87	5,200,009	166,360	3.2	2,108,720	84,953	4.03
Cereals	5,614,619	117,771	2.1	4,574,906	147,249	3.22	1,903,658	80,808	4.24
Teff	1,866,446	67,731	3.63	1,486,845	73,915	4.97	652,729	38,971	5.97
Barley	566,046	35,372	6.25	334,448	24,526	7.33	296,165	28,088	9.48
Wheat	1,182,095	57,751	4.89	1,238,204	76,074	6.14	496,304	43,780	8.82
Maize	1,269,419	49,903	3.93	1,266,221	74,796	5.91	247,855	19,159	7.73
Sorghum	476,450	29,470	6.19	106,917	12,770	11.94	56,978	9,513	16.7
Finger millet	233,039	19,737	8.47	131,504	14,627	11.12	143,456	17,096	11.92
Oats / 'Aja'	13,828	4,023	29.09	7,374	2,819	38.23	9,967	3,882	38.95
Rice	7,296	2,820	38.65	3,394	1,314	38.73	204	157	77.16
Pulses	349,018	15,819	4.53	171,094	12,897	7.54	128,966	10,329	8.01
Horse/Faba beans	155,549	9,110	5.86	71,483	7,912	11.07	53,301	5,729	10.75
Field Peas	60,837	6,072	9.98	30,762	3,644	11.85	28,265	4,512	15.96
Haricot beans	93,104	8,734	9.38	57,490	8,619	14.99	43,613	6,271	14.38
Chick peas	12,074	1,493	12.37	2,357	489	20.72	1,713	451	26.33
Lentils	12,166	2,107	17.32	4,856	1,272	26.19	1,253	315	25.14
Vetch / Grass peas	7,381	1,552	21.03	436	172	39.35	90	55	60.99
Soya beans	3,488	1,242	35.6	1,241	507	40.88	65	33	50.48
Fenugreek	3,894	600	15.41	1,689	576	34.13	517	235	45.5
Gibto	525	215	40.94	780	287	36.77	150	80	53.34
Oilseeds	73,562	7,390	10.05	81,205	15,189	18.7	14,717	2,830	19.23
Neug	11,592	2,031	17.52	2,615	643	24.59	3,963	1,479	37.33
Linseed	9,693	1,999	20.62	4,191	2,450	58.46	2,733	1,401	51.27
Groundnuts	11,277	4,038	35.81	5,634	3,325	59.02	378	130	34.41
Safflower	2,325	601	25.86	4,192	1,490	35.55	644	415	64.43
Sesame	28,368	4,950	17.45	8,681	3,282	37.81	5,167	1,730	33.48
Rapeseed	10,307	1,687	16.37	55,892	13,978	25.01	1,832	607	33.1
Vegetables	90,994	9,529	10.47	111,316	19,921	17.9	10,658	1,919	18.01
Lettuce	25	9	36.84	46	43	93.67	-	-	-
Head cabbage	1,510	292	19.33	1,421	585	41.17	217	134	61.97
Ethiopian cabbage	22,741	1,325	5.83	4,040	1,178	29.16	365	95	26.12
Tomatoes	2,366	737	31.14	3,486	1,447	41.5	97	46	47.43
Green peppers	2,952	298	10.08	545	108	19.8	194	62	32.06
Red peppers	61,317	9,397	15.32	101,760	19,812	19.47	9,785	1,910	19.53
Swiss chard	83	25	30.17	19	14	73.54	-	-	99.18
Root crops	127,986	8,107	6.33	79,943	10,020	12.53	29,371	6,094	20.75
Beetroot	1,011	218	21.55	1,139	689	60.51	100	45	44.49
Carrot	1,692	886	52.39	875	637	72.82	278	218	78.44
Onion	15,870	4,784	30.14	21,060	6,667	31.65	6,535	4,322	66.14
Potatoes	42,151	5,183	12.3	43,017	6,783	15.77	18,746	4,061	21.66
Garlic	7,513	1,142	15.19	4,440	1,117	25.16	318	166	52.12
Taro 'Godere'	20,459	1,827	8.93	737	276	37.45	182	77	42.04
Sweet potatoes	39,291	2,871	7.31	8,674	1,624	18.72	3,211	816	25.42
Other Temporary	33,423	2,565	7.67	18,236	3,429	18.8	2,551	923	36.18
Fruit crops	18,591	1,271	6.83	10,488	3,597	34.3	634	183	28.85
Avocado	3,511	324	9.24	1,472	864	58.69	56	22	39.01
Bananas	10,546	898	8.52	6,636	2,364	35.63	378	128	33.92
Guava	292	57	19.41	103	63	61.26	-	-	-
Lemons	157	49	31.17	17	12	68.04	-	-	-
Mangoes	1,645	201	12.22	750	275	36.62	72	33	45.13
Oranges	1,295	318	24.57	483	229	47.32	13	13	98.29
Papayas	989	119	12.08	591	424	71.63	15	14	90.01
Pineapples	156	107	68.5	435	358	82.14	99	99	100
Stimulant Crops	213,765	12,632	5.91	125,437	18,445	14.7	16,369	3,216	19.65
Chat	113,842	10,396	9.13	88,181	17,071	19.36	10,004	2,405	24.04
Coffee	90,003	6,486	7.21	27,972	4,780	17.09	6,250	1,641	26.25
Hops / 'Geshe'	9,920	1,148	11.57	9,283	2,567	27.66	115	38	32.94
Enset	209,476	11,172	5.33	12,377	6,584	53.2	858	232	27.08
Sugar cane	9,685	2,433	25.13	13,542	11,449	84.54	636	368	57.82
Other permanent	2,898	417	14.4	1,465	401	27.34	304	149	49.06

APPENDIX II (cont'd)

Crop	DAP			UREA					
	Quantity (qt)			Area (ha)			Quantity (qt)		
	Estimate	S.E	C.V	Estimate	S.E	C.V	Estimate	S.E	C.V
All	1,516,198	61,582	4.06	301,487	29,991	9.95	237,315	29,652	12.49
Cereals	1,305,165	55,845	4.28	250,460	23,249	9.28	161,211	17,788	11.03
Teff	386,909	24,416	6.31	120,391	15,770	13.1	63,686	11,114	17.45
Barley	217,001	21,484	9.9	9,545	1,885	19.75	6,862	1,511	22.03
Wheat	389,066	30,293	7.79	22,352	3,121	13.96	18,219	2,780	15.26
Maize	186,750	16,067	8.6	36,541	4,950	13.55	36,269	5,743	15.83
Sorghum	26,721	3,285	12.29	46,157	10,959	23.74	29,913	8,194	27.39
Finger millet	93,814	13,450	14.34	14,360	4,770	33.22	5,500	1,907	34.68
Oats / 'Aja'	4,731	1,858	39.28	87	53	60.58	58	32	56.08
Rice	171	112	65.15	1,026	538	52.48	703	384	54.58
Pulses	98,275	8,281	8.43	5,843	902	15.44	6,513	1,741	26.74
Horse/Faba beans	45,587	5,550	12.17	1,851	526	28.41	1,117	308	27.62
Field Peas	20,127	2,680	13.32	748	314	41.96	476	177	37.13
Haricot beans	30,741	4,596	14.95	1,884	532	28.24	3,983	1,663	41.76
Chick peas	835	256	30.67	300	127	42.35	338	171	50.63
Lentils	567	163	28.69	516	200	38.71	203	79	39.19
Vetch / Grass peas	37	19	52.44	92	92	100.01	5	5	100.01
Soya beans	45	27	59.04	-	-	-	-	-	-
Fenugreek	119	43	36.52	294	133	45.21	156	64	41.13
Gibto	217	103	47.62	159	128	80.52	236	175	74.3
Oilseeds	13,733	2,582	18.8	10,794	3,253	30.14	8,231	2,909	35.35
Neug	1,244	338	27.15	720	529	73.49	440	230	52.25
Linseed	1,215	384	31.62	187	91	49	289	149	51.55
Groundnuts	436	171	39.23	4,594	2,762	60.13	4,126	2,716	65.82
Safflower	1,537	1,158	75.36	618	243	39.35	870	313	36.01
Sesame	2,144	667	31.12	4,459	1,551	34.79	1,809	813	44.94
Rapeseed	7,158	1,992	27.83	217	84	38.61	696	253	36.3
Vegetables	17,204	2,899	16.85	6,583	2,136	32.45	11,487	4,435	38.61
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	703	502	71.46	79	45	56.32	125	51	41.09
Ethiopian cabbage	983	271	27.54	85	31	36.41	546	422	77.29
Tomatoes	195	110	56.36	194	157	81.09	101	64	62.85
Green peppers	185	52	28.19	156	113	72.22	86	30	34.95
Red peppers	15,138	2,841	18.77	6,069	2,126	35.04	10,629	4,414	41.53
Swiss chard	-	-	99.18	-	-	-	-	-	-
Root crops	34,733	5,522	15.9	3,982	956	24	6,726	1,892	28.13
Beetroot	287	118	41.31	-	-	-	-	-	-
Carrot	707	628	88.9	19	8	41.77	18	8	45.3
Onion	4,770	1,908	40.01	1,045	557	53.26	2,017	1,366	67.74
Potatoes	24,795	5,047	20.35	1,290	543	42.09	2,044	985	48.21
Garlic	636	202	31.79	171	54	31.91	586	149	25.45
Taro 'Godere'	191	75	39.38	97	49	50.53	268	189	70.29
Sweet potatoes	3,349	918	27.42	1,360	547	40.19	1,793	710	39.58
Other Temporary	3,803	809	21.26	1,059	414	39.08	2,037	707	34.7
Fruit crops	2,741	723	26.37						
Avocado	535	237	44.24						
Bananas	1,555	385	24.76						
Guava	-	-	-						
Lemons	-	-	-						
Mangoes	226	99	43.82						
Oranges	28	20	71.25						
Papayas	48	38	79.67						
Pineapples	349	349	100						
Stimulant Crops	30,915	5,820	18.83					9,056	30.09
Chat	14,858	4,532	30.51						
Coffee	14,938	2,515	16.84						
Hops / 'Geshe'	1,119	394	35.18						
Enset	5,260	2,658	50.53						
Sugar cane	3,921	2,948	75.19						
Other permanent	449	213	47.51						

APPENDIX II (cont'd)

Crop	UREA+DAP						INDIGENOUS SEED		
	Area (ha)			Quantity (qt)			Area (ha)		
	Estimate	S.E	C.V	Estimate	S.E	C.V	Estimate	S.E	C.V
All	2,425,566	89,117	3.67	3,446,495	151,452	4.39	12,612,265	186,610	1.48
Cereals	2,310,395	85,386	3.7	3,108,531	138,563	4.46	8,985,219	135,991	1.51
Teff	981,319	54,353	5.54	1,036,249	71,687	6.92	2,721,196	77,792	2.86
Barley	98,921	9,648	9.75	110,585	9,507	8.6	1,032,519	47,645	4.61
Wheat	556,218	35,360	6.36	830,919	69,449	8.36	1,456,529	61,268	4.21
Maize	565,368	39,288	6.95	1,043,201	72,185	6.92	1,410,832	43,319	3.07
Sorghum	55,798	6,990	12.53	50,282	6,531	12.99	1,896,659	73,970	3.9
Finger millet	48,929	6,106	12.48	32,189	4,230	13.14	407,604	24,170	5.93
Oats / 'Aja'	701	326	46.56	2,585	2,127	82.26	30,849	4,772	15.47
Rice	3,141	1,472	46.86	2,519	1,067	42.35	29,031	12,132	41.79
Pulses	36,074	3,702	10.26	66,306	8,628	13.01	1,350,576	41,240	3.05
Horse/Faba beans	10,131	1,417	13.99	24,779	5,214	21.04	458,146	19,929	4.35
Field Peas	8,701	2,015	23.16	10,159	2,043	20.11	203,558	10,807	5.31
Haricot beans	9,007	1,913	21.24	22,766	6,091	26.76	235,402	15,552	6.61
Chick peas	1,325	408	30.79	1,185	369	31.1	207,085	18,741	9.05
Lentils	4,580	1,250	27.29	4,086	1,248	30.55	75,204	7,518	10
Vetch / Grass peas	327	120	36.61	394	170	43.23	131,002	13,566	10.36
Soya beans	914	371	40.53	1,196	506	42.35	11,225	3,090	27.53
Fenugreek	999	399	39.96	1,414	570	40.28	14,670	2,376	16.2
Gibto	90	68	75.43	327	195	59.61	14,284	3,229	22.61
Oilseeds	9,832	1,688	17.17	59,241	13,745	23.2	772,136	88,121	11.41
Neug	483	190	39.36	930	470	50.53	247,562	20,199	8.16
Linseed	1,153	606	52.55	2,687	2,189	81.47	73,184	6,104	8.34
Groundnuts	941	502	53.36	1,072	628	58.52	49,554	9,700	19.57
Safflower	508	202	39.78	1,785	634	35.51	5,490	1,370	24.96
Sesame	2,281	804	35.24	4,728	2,421	51.21	382,893	85,650	22.37
Rapeseed	4,465	1,221	27.35	48,038	13,265	27.61	13,454	1,929	14.34
Vegetables	34,545	8,032	23.25	82,625	17,812	21.56	123,408	10,156	8.23
Lettuce	5	4	90.79	46	43	93.67	49	14	28.99
Head cabbage	181	79	43.74	593	259	43.65	1,965	311	15.82
Ethiopian cabbage	326	123	37.87	2,511	1,074	42.79	29,759	1,448	4.87
Tomatoes	1,354	655	48.37	3,190	1,434	44.96	4,587	1,356	29.56
Green peppers	167	53	31.86	274	85	31.15	5,762	633	10.98
Red peppers	32,510	8,002	24.61	75,993	17,710	23.3	81,162	9,924	12.23
Swiss chard	2	2	78.24	19	14	74.29	126	29	22.79
Root crops	12,921	2,211	17.11	38,483	7,029	18.26	212,293	9,403	4.43
Beetroot	101	51	50.43	852	674	79.13	1,371	258	18.84
Carrot	73	43	59.29	151	107	70.75	1,946	970	49.85
Onion	3,804	1,161	30.51	14,273	5,311	37.21	21,095	4,902	23.24
Potatoes	7,495	1,824	24.33	16,178	3,746	23.15	53,759	5,613	10.44
Garlic	721	192	26.7	3,219	1,077	33.48	10,567	1,279	12.1
Taro 'Godere'	30	23	75.81	278	170	61.11	42,246	2,907	6.88
Sweet potatoes	697	173	24.87	3,533	1,083	30.65	81,309	4,597	5.65
Other Temporary	2,257	807	35.76	12,396	3,101	25.02	77,748	7,976	10.26
Fruit crops							53,882	5,045	9.36
Avocado							6,858	606	8.83
Bananas							31,772	3,971	12.5
Guava							1,721	688	40
Lemons							485	102	21.06
Mangoes							7,448	1,095	14.71
Oranges							3,210	485	15.12
Papayas							2,151	181	8.42
Pineapples							238	115	48.28
Stimulant Crops	17,342	3,177	18.32	64,421	11,850	18.39	701,416	38,112	5.43
Chat							204,536	13,305	6.51
Coffee							475,339	35,556	7.48
Hops / 'Gescho'							21,542	2,060	9.56
Enset							299,713	14,289	4.77
Sugar cane							23,329	2,943	12.62
Other permanent							12,544	1,115	8.89

APPENDIX II (cont'd)

Crop	INDIGENOUS SEED			IMPROVED SEED					
	Quantity (qt)			Area (ha)			Quantity (qt)		
	Estimate	S.E	C.V	Estimate	S.E	C.V	Estimate	S.E	C.V
All	9,383,544	213,672	2.28	301,487	29,991	9.95	305,639	38,189	12.49
Cereals	7,632,025	184,662	2.42	250,460	23,249	9.28	207,624	22,909	11.03
Teff	1,448,966	43,441	3	120,391	15,770	13.1	82,022	14,313	17.45
Barley	1,839,616	93,301	5.07	9,545	1,885	19.75	8,838	1,947	22.03
Wheat	2,901,112	139,228	4.8	22,352	3,121	13.96	23,464	3,581	15.26
Maize	624,891	20,041	3.21	36,541	4,950	13.55	46,711	7,396	15.83
Sorghum	525,946	20,255	3.85	46,157	10,959	23.74	38,525	10,554	27.39
Finger millet	190,469	12,249	6.43	14,360	4,770	33.22	7,084	2,456	34.68
Oats / 'Aja'	45,928	7,456	16.23	87	53	60.58	74	42	56.08
Rice	55,097	30,609	55.55	1,026	538	52.48	906	494	54.58
Pulses	1,571,210	59,322	3.78	5,843	902	15.44	8,388	2,243	26.74
Horse/Faba beans	666,641	33,727	5.06	1,851	526	28.41	1,438	397	27.62
Field Peas	248,073	16,172	6.52	748	314	41.96	613	228	37.13
Haricot beans	180,705	16,100	8.91	1,884	532	28.24	5,129	2,142	41.76
Chick peas	219,459	20,647	9.41	300	127	42.35	435	220	50.63
Lentils	79,695	10,123	12.7	516	200	38.71	261	102	39.19
Vetch / Grass peas	148,590	15,987	10.76	92	92	100.01	7	7	100.01
Soya beans	8,415	2,892	34.37	-	-	-	-	-	-
Fenugreek	11,218	2,753	24.54	294	133	45.21	201	83	41.13
Gibto	8,414	1,865	22.17	159	128	80.52	304	226	74.3
Oilseeds	180,309	11,677	6.48	10,794	3,253	30.14	10,601	3,747	35.35
Neug	43,670	3,289	7.53	720	529	73.49	567	296	52.25
Linseed	43,699	5,516	12.62	187	91	49	373	192	51.55
Groundnuts	34,574	6,407	18.53	4,594	2,762	60.13	5,314	3,498	65.82
Safflower	2,256	1,106	49.02	618	243	39.35	1,121	404	36.01
Sesame	46,904	6,606	14.08	4,459	1,551	34.79	2,330	1,047	44.94
Rapeseed	9,207	3,766	40.9	217	84	38.61	897	326	36.3
Vegetables	-	-	-	6,583	2,136	32.45	14,795	5,712	38.61
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	79	45	56.32	161	66	41.09
Ethiopian cabbage	-	-	-	85	31	36.41	704	544	77.29
Tomatoes	-	-	-	194	157	81.09	130	82	62.84
Green peppers	-	-	-	156	113	72.22	110	39	34.95
Red peppers	-	-	-	6,069	2,126	35.04	13,689	5,685	41.53
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	-	-	-	3,982	956	24	8,663	2,437	28.13
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	19	8	41.77	23	10	45.31
Onion	-	-	-	1,045	557	53.26	2,598	1,760	67.74
Potatoes	-	-	-	1,290	543	42.09	2,633	1,269	48.21
Garlic	-	-	-	171	54	31.91	755	192	25.44
Taro 'Godere'	-	-	-	97	49	50.53	346	243	70.29
Sweet potatoes	-	-	-	1,360	547	40.19	2,309	914	39.58
Other Temporary	-	-	-	1,059	414	39.08	2,624	911	34.7
Fruit crops	-	-	-	-	-	4,254	2,855	67.12	21,895
Avocado	-	-	-	-	-	1,199	1,081	90.18	609
Bananas	-	-	-	-	-	1,901	1,273	66.95	14,493
Guava	-	-	-	-	-	4	4	99.57	1,943
Lemons	-	-	-	-	-	17	14	84.01	358
Mangoes	-	-	-	-	-	425	298	70.02	2,310
Oranges	-	-	-	-	-	41	35	84.33	1,889
Papayas	-	-	-	-	-	556	539	96.94	1,445
Pineapples	-	-	-	-	-	111	111	99.97	-
Stimulant Crops	-	-	-	21,125	7,665	36.29	38,767	11,663	30.09
Chat	-	-	-	-	-	34,899	11,221	32.15	118,124
Coffee	-	-	-	916	423	46.21	2,934	1,148	39.12
Hops / 'Geshe'	-	-	-	-	-	934	522	55.95	30,943
Enset	-	-	-	-	-	2,717	2,260	83.18	18,358
Sugar cane	-	-	-	-	-	7,097	6,708	94.52	11,598
Other permanent	-	-	-	-	-	111	73	65.27	4,916

APPENDIX II (cont'd)

Crop	PESTICIDE			IRRIGATION			EXTENSION PACKAGE		
	Area (ha)			Area (ha)			Area (ha)		
	Estimate	S.E	C.V	Estimate	S.E	C.V	Estimate	S.E	C.V
All	2,425,566	89,117	3.67	14,250,824	69,271	0.49	9,383,544	213,672	2.28
Cereals	2,310,395	85,386	3.7	12,462,982	81,564	0.65	7,632,025	184,662	2.42
Teff	981,319	54,353	5.54	6,184,759	111,370	1.8	1,448,966	43,441	3
Barley	98,921	9,648	9.75	4,132,844	106,918	2.59	1,839,616	93,301	5.07
Wheat	556,218	35,360	6.36	4,417,225	102,780	2.33	2,901,112	139,228	4.8
Maize	565,368	39,288	6.95	7,265,273	113,044	1.56	624,891	20,041	3.21
Sorghum	55,798	6,990	12.53	5,096,642	108,050	2.12	525,946	20,255	3.85
Finger millet	48,929	6,106	12.48	1,506,801	59,996	3.98	190,469	12,249	6.43
Oats / 'Aja'	701	326	46.56	244,864	22,003	8.99	45,928	7,456	16.23
Rice	3,141	1,472	46.86	90,145	21,226	23.55	55,097	30,609	55.55
Pulses	36,074	3,702	10.26	6,717,652	103,553	1.54	1,571,210	59,322	3.78
Horse/Faba beans	10,131	1,417	13.99	3,445,095	90,406	2.62	666,641	33,727	5.06
Field Peas	8,701	2,015	23.16	1,388,858	52,978	3.81	248,073	16,172	6.52
Haricot beans	9,007	1,913	21.24	2,233,914	79,725	3.57	180,705	16,100	8.91
Chick peas	1,325	408	30.79	874,555	50,682	5.8	219,459	20,647	9.41
Lentils	4,580	1,250	27.29	595,894	37,464	6.29	79,695	10,123	12.7
Vetch / Grass peas	327	120	36.61	673,019	48,938	7.27	148,590	15,987	10.76
Soya beans	914	371	40.53	76,475	13,499	17.65	8,415	2,892	34.37
Fenugreek	999	399	39.96	371,253	26,688	7.19	11,218	2,753	24.54
Gibto	90	68	75.43	79,458	14,692	18.49	8,414	1,865	22.17
Oilseeds	9,832	1,688	17.17	2,608,087	78,247	3	180,309	11,677	6.48
Neug	483	190	39.36	789,356	40,350	5.11	43,670	3,289	7.53
Linseed	1,153	606	52.55	775,740	38,991	5.03	43,699	5,516	12.62
Groundnuts	941	502	53.36	240,524	33,136	13.78	34,574	6,407	18.53
Safflower	508	202	39.78	86,598	10,893	12.58	2,256	1,106	49.02
Sesame	2,281	804	35.24	762,591	58,325	7.65	46,904	6,606	14.08
Rapeseed	4,465	1,221	27.35	364,119	29,079	7.99	9,207	3,766	40.9
Vegetables	34,545	8,032	23.25	4,956,890	91,905	1.85	-	-	-
Lettuce	5	4	90.79	15,920	3,075	19.32	-	-	-
Head cabbage	181	79	43.74	258,953	18,510	7.15	-	-	-
Ethiopian cabbage	326	123	37.87	2,731,149	71,061	2.6	-	-	-
Tomatoes	1,354	655	48.37	112,711	10,383	9.21	-	-	-
Green peppers	167	53	31.86	769,340	38,417	4.99	-	-	-
Red peppers	32,510	8,002	24.61	1,765,223	70,623	4	-	-	-
Swiss chard	2	2	78.24	53,141	7,501	14.12	-	-	-
Root crops	12,921	2,211	17.11	5,191,776	95,275	1.84	-	-	-
Beetroot	101	51	50.43	252,659	15,819	6.26	-	-	-
Carrot	73	43	59.29	105,472	12,591	11.94	-	-	-
Onion	3,804	1,161	30.51	669,430	42,902	6.41	-	-	-
Potatoes	7,495	1,824	24.33	1,122,700	57,745	5.14	-	-	-
Garlic	721	192	26.7	1,407,789	54,371	3.86	-	-	-
Taro 'Godere'	30	23	75.81	1,339,012	45,303	3.38	-	-	-
Sweet potatoes	697	173	24.87	1,752,197	63,940	3.65	-	-	-
Other Temporary	2,257	807	35.76	2,663,716	68,004	2.55	-	-	-
Fruit crops	96	28.92	5,724	81,649	2.86	53,882	-	-	-
Avocado	1	70.72	8	47,612	5.52	6,858	-	-	-
Bananas	90	38.33	4,643	69,031	3.7	31,772	-	-	-
Guava	22	77.36	128	17,900	10.62	1,721	-	-	-
Lemons	1	99.38	5	10,734	9.8	485	-	-	-
Mangoes	14	56.27	250	32,242	5	7,448	-	-	-
Oranges	14	50.44	545	23,854	7.14	3,210	-	-	-
Papayas	6	49.52	144	27,636	5.85	2,151	-	-	-
Pineapples	-	-	-	3,771	22.03	238	-	-	-
Stimulant Crops	17,342	3,177	18.32	6,018,296	103,923	1.73	-	-	-
Chat	3,025	21.74	59,535	79,385	3.32	204,536	-	-	-
Coffee	2,450	664	27.1	3,741,438	96,490	2.58	-	-	-
Hops / 'Geshe'	372	37.99	9,580	55,026	3.51	21,542	-	-	-
Enset	193	48.67	6,449	71,433	1.63	-	-	-	-
Sugar cane	835	77.1	5,294	45,837	4.52	23,329	-	-	-
Other permanent	167	42.95	1,197	38,827	4.64	12,544	-	-	-

APPENDIX III

NUMBER OF EAs SAMPLED AND COVERED
NUMBER OF HOUSEHOLDS SAMPLED AND COVERED
NUMBER OF PARCELS AND FIELDS MEASURED

Appendix III(a). Number of Planned and Actually Covered Sampling Units (EAs & Households) of the 2010/11 (2003 E.C) Annual Agricultural Sample Survey (Meher Season).

Region	Stratum	Enumeration Areas		Households	
	Zone/Sp.wereda	Planned	Covered	Planned	Covered
Tigray	North Western Tigray	31	31	620	620
	Central Tigray	39	38	780	760
	Eastern Tigray	29	29	580	580
	Southern Tigray	38	36	760	719
	Western Tigray	25	25	500	500
	Region Total	162	159	3240	3179
Afar	Zone One	30	28	600	557
	Zone Three	20	18	400	342
	Region Total	50	46	1000	899
Amhara	North Gonder	49	49	980	979
	South Gonder	45	45	900	900
	North Wello	46	46	920	919
	South Wello	49	47	980	939
	North Shewa	47	45	940	900
	East Gojam	47	47	940	940
	West Gojam	46	46	920	920
	Wag Hemira	29	27	580	540
	Awi	32	32	640	638
	Oromia	28	28	560	559
	Argoba special wereda	20	20	400	400
	Region Total	438	432	8760	8634
Oromia	West Wellega	43	42	860	836
	East Wellega	40	40	800	798
	Illubabor	48	48	960	958
	Jimma	47	45	940	900
	West Shewa	44	44	880	880
	North Shewa	39	38	780	759

Appendix III(a)...(Cont'd)

Region	Stratum	Enumeration Areas		Households	
	Zone/Sp.wereda	Planned	Covered	Planned	Covered
Oromia	East Shewa	40	39	800	777
	Arsi	53	53	1060	1060
	West Harerghe	41	41	820	819
	East Harerghe	48	47	960	940
	Bale	44	44	880	880
	Borena	37	37	740	739
	South West Shewa	38	38	760	757
	Guji	38	38	760	758
	Kelem Wellega	39	38	780	760
	Horoguduru Wellega	36	35	720	698
	West Arsi	37	36	740	719
	Region Total	712	703	14240	14038
Somali	Shinile	20	20	400	397
	Jijiga	28	28	560	557
	Liben	24	24	480	472
	Region Total	72	72	1440	1426
Benishangul-Gumuz	Metekel	30	29	600	579
	Asosa	26	26	520	520
	Kemashi	20	18	400	360
	Mao Komo special wereda	20	20	400	400
	Region Total	96	93	1920	1859
SNNP	Guraghe	41	41	820	820
	Hadiya	33	33	660	660
	Kembata_Tambaro	33	33	660	657
	Sidama	45	45	900	896
	Gedeo	34	34	680	680
	Wolayita	39	39	780	780

APPENDIX III (a)...(Cont'd)

Region	Stratum	Enumeration Areas		Households	
	Zone/Sp.wereda	Planned	Covered	Planned	Covered
SNNP	South Omo	36	33	720	647
	Shaka	24	24	480	477
	Keffa	37	36	740	718
	Gamo_Gofa	42	40	840	800
	Bench_Maji	36	36	720	709
	Yem Specia Wereda	20	20	400	401
	Amaro Special W.	20	20	400	400
	Burji Special Wereda	20	20	400	400
	Konso Special Wereda.	20	20	400	400
	Derashe Special Wereda.	20	20	400	397
	Dawro	32	32	640	639
	Basketo Special Wereda.	20	20	400	398
	Konta Special Wereda.	20	20	400	400
	Siltie	30	30	600	600
	Alaba Special Wereda.	20	20	400	400
	Region Total	622	616	12440	12279
Gambela	Agnuak	24	24	480	510
	Nuer	18	11	360	329
	Mejenger	20	20	400	400
	Etang	18	12	360	360
	Region Total	80	67	1600	1599
Harari	Harari	24	24	480	480
Dire Dawa	Dire Dawa	24	24	480	480
Country Total		2280	2236	45600	44871

Appendix III (b) Number of Parcels and Fields measured by Region and Zone

Region	Zone	Parcels	Fields
Tigray	North West Tigray	1,947	5,056
	Central Tigray	2,477	6,485
	Eastern Tigray	1,757	5,642
	Southern Tigray	3,164	5,053
	Western Tigray	1,363	3,184
Regional Total		10,708	25,420
Afar	zone one	1,099	1,600
	Zone Three	501	861
Regional Total		1,600	2,461
Amahara	North Gondor	4,522	7,773
	South Gondor	4,503	8,277
	North Wello	5,027	9,789
	South Wello	6,660	11,433
	North Shoa	5,456	12,372
	East Gojam	4,440	8,864
	West Gojam	4,819	9,658
	Waghmra	2,549	4,398
	Awi	2,876	6,436
	Oromia	1,559	3,754
	Argoba Special	1,539	2,409
Regional Total		43,950	85,163
Oromia	West Wellega	4,978	12,591
	East Wellega	3,581	9,267
	Iluababora	3,618	11,001
	Jimma	3,242	12,240
	West Shoa	3,976	9,358
	Noth Shoa	4,956	8,306
	East Shoa	3,384	6,014
	Arsi	4,167	8,703
	West harerge	2,202	7,368
	East Harerge	3,133	7,594
	Bale	3,230	7,267
	Borena	1,304	3,916
	South West Shoa	3,033	8,783
	Gugi	1,522	4,684
	West Arsi	2,019	5,789
	Kelem Welega	3,741	8,551
	horogudru welega	3,375	8,149
Regional Total		55,461	139,581

Appendix III (b) (cont'd) Parcels and Fields measured by Region and Zone

Region	Zone	Parcels	Fields
Somali	Shinle	640	1,033
	Jijiga	1,195	1,906
	Liben	794	1,317
Regional Total		58,090	143,837
Benshangul Gumuz	Metekel	2,003	4,138
	Assosa	2,183	4,714
	Kamashi	1,003	2,179
	Mao-Komo	1,333	4,135
Regional Total		6,522	15,166
SNNP	Guragie	1,539	10,022
	Hadiya	1,354	9,429
	Kenbata Tenbaro	1,301	9,942
	Sidama	1,570	7,236
	Gedeo	1,745	4,494
	Wolayita	1,415	11,759
	South Omo	1,442	4,491
	Sheka	1,406	5,827
	Kaffa	1,665	9,304
	Gamo-Goffa	2,332	9,120
	Bench-Magi	1,687	6,775
	Yem Special	1,738	6,974
	Amaro Special	841	3,774
	Burgi Special	1,102	3,376
	Konso Special	1,319	2,378
	Derashe Special	1,108	2,589
	Dawro	1,027	7,569
	Basketo	760	4,363
	Konta	598	4,255
	Silte	1,280	7,139
	Alaba Special	785	4,292
Regional Total		28,014	135,108
Gambella	Agnwak	950	2,651
	Nuwer	819	1,280
	Mezengr	1,248	4,083
	Itang Special	1,074	1,493
Regional Total		4,091	9,507
Harari Region	Harari	1,802	3,248
Dire Dawa Administration	Dire Dawa	1,522	3,445
Country Total		156,299	423,355

APPENDIX IV

SURVEY QUESTIONNAIRE

CENTRAL STATISTICAL AUTHORITY
ETHIOPIAN AGRICULTURAL SAMPLE SURVEY 2010/2011 (2003 EC)

PART I – IDENTIFICATION PARTICULARS

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

PART II – CROP FIELD / OTHER LAND USE

15	16	17				
SER. NO.	QUESTIONS FOR THE HOLDER	PARCEL NO.	FIELD NO.			
		IS THE FIELD PURE STAND =1				
		MIXED CROP =2		OTHER LAND USE=3		
		CROP/OTHER NAME	CROP NAME	CROP NAME		
		CODE	CODE	CODE		
0	1	Ownership Own = 1 Rented in =2 Other =3				
0	2	Is field under Extension Program? Yes =1 No = 2				
0	3	Is Field Irrigated? Yes =1 No =2				
0	4	If Field Irrigated source of water River =1 Lake =2 Pond =3 Harvested water =4 other =5				
0	5	Is Field Prevented form Erosion Yes = 1 No =2				
0	6	If yes in #5, common way of prevention Terracing = 1 Other =5 Water catchments =2 Afforestation = 3 Plough along the cont. = 4				
0	7	Percent share of mixed crops				
0	8	Number of Fruit Trees (excluding chat, pineapple, sugarcane)				
0	9	Number of Fruit Bearing Trees (excluding , chat, pineapple, sugarcane)				
1	0	Percentage share of Fruit Bearing Trees (excluding , chat, pineapple, sugarcane)				
1	1	Seed / Seedling Type Improved Seed = 1 indigenous seed = 2				
		For Cereals, Pulses & Oilseeds only	Kilo	Gram	Kilo	Gram
1	2	Quantity of improved seeds used	Birr	Cents	Birr	Cents
1	3	Price of improved seeds used				
		For Cereals, Pulses & Oilseeds only	Kilo	Gram	Kilo	Gram
1	4	Quantity of indigenous seeds used				
1	5	Was crop damaged ? Yes = 1 No =2				
1	6	If yes in question number 14, Cause of damage Code				
1	7	Percent of damaged crop				
1	8	Prevention/precaution measure taken? Yes =1 No =2				
1	9	Type of measure if any? Chemical = 1 Non – chemical = 2 Both = 3				
2	0	Chemical type used if any? Pesticide =1 herbicide =2 Fungicide =3 1&2 = 4 1 & 3 = 5 2 & 3 = 6 All = 7				
2	1	Is Fertilizer Used? Yes =1 No = 2				
2	2	Type of fertilizer used if any? Natural = 1 Chemical = 2 Both = 3				
		If chemical fertilizer used				
		23.1 Type UREA = 1 DAP = 2 Both = 3				
2	3	23.2 Quantity of chemical fertilizer used	Kilo		Gram	
		If natural fertilizer used, type				
2	4	Manure = 1 Compost = 2 Organic = 3 1 & 2 = 4 1&3 = 5 2 & 3 = 6 All = 7 others = 8				
2	5	How often is temporary crop field used in Meher (main) season?				
2	6	If twice in #24 which crop is the 2 nd harvest?	Crop name	code	Crop name	code
2	7	What was the previous state of the field ? Falow =1 crop field =2 Virgin =3 Rented in cropfield =4 other =5				

PART 3A: RESULTS OF AREA MEASUREMENTS using GPS

18	19	20	21	22	23	24	25
GPS Accuracy during field measurem ent	Is the field measured? yes =1 No =2 →						Comments
	Area of measured field		Is the field Flat =1 Partially Sloppy = 2 Sloppy = 3	Code	If the field covered? None = 1 With plant / permanent crop = 2 With house = 3 Partially covered = 4 Others = 5	Code	
	Area in square meters (Clockwise)	Area in square meters (Anti-Clockwise)					
Field measurement			Date		Month		

PART 3B – RESULTS OF AREA MEASUREMENTS USING COMPASS-ROPE

18	19	20	21	22	23	24	25	26
Is the field measured? Yes =1 No = 2 Code →								
Side	1 - 2	2 - 3	3 -	4 -	5 -	6 -	7 -	8 -
Bearing (0)	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>
Length	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>
Side	9 -	10 -	11 -	12 -	13 -	14 -	15 -	16 -
Bearing(0)	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>
Length	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>
Side	17 -	18 -	19 -	20 -	21 -	22 -	23 -	24 -
Bearing (0)	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>
Length	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>
Side	25 -	26 -	27 -	28 -	29 -	30 -	31 -	32 -
Bearing (0)	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>
Length	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>
Field Measurement	date	month	Closure error			Area in square meters		
For fields selected	Selected corner number		Shortest side length		Random number			
For crop cutting	Shortest side Bearing		Longest side length		Random number			

	Name	Signature	Date
Data collector			
Field Supervisor			

CENTRAL STATISTICAL AUTHORITY
ETHIOPIAN AGRICULTURAL SAMPLE SURVEY 2010/11 (2003 E.C)

PART I – IDENTIFICATION PARTICULARS

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

PART II – MISCELLANEOUS QUESTIONS FOR THE HOLDER

15	16	17
SER.NO.	QUESTIONS	CODE
1	Do you exercise crop rotation on your land holding? Yes = 1 No = 2	
2	Reason for not using chemical fertilizers on any one of your crop fields Ignorance = 1 High price = 2 Lack of Money = 3 Non – availability of supply = 4 lack of credit service = 5 Skeptical of the outcome = 6 Others (specify) = 7	
3	Reason for not participating in Extension Program Ignorance = 1 Lack of Money = 2 Skeptical of the outcome = 3 Non – availability of the program = 4 Lack of adequate crop fields = 5 Others (specify) = 6	
4	Do you get credit services? Yes = 1 No = 2	
5	If no in # 4 Why? Non availability of the service = 1 Unable to pay the loan = 2 Inadequate services provided = 3 Ignorance = 4 Does not yield any results = 5 Others = 6	
6	Do you get advisory services? Yes = 1 No = 2	
7	If no in # 6 Why? Non availability of the service = 1 Inadequate services provided = 2 Inadequate services provided = 2 Ignorance = 3 Does not yield any results = 4 Others = 5	
8	Your major supplier of fertilizer is Government organizations = 1 Private organizations = 2 Merchants = 3 Others (Specify) = 4 Never used fertilizer = 5	
9	Total Chemical fertilizers (Urea+Dap) purchased for main season in 2003 E.c (it includes gifts, loans, supports)	Killo gram
9.1	Total Dap fertilizers purchased for main season in 2003 E.c (it includes gifts, loans, supports)	
9.2	Total Urea fertilizers purchased for main season in 2003 E.c (it includes gifts, loans, supports)	
10	How many oxen do you have in this Meher season?	
11	If you have one or no ox how do you plough? By renting ox = 1 By pairing mine with someone's ox = 2 By pairing mine with cow/ horse = 3 Using horses or cows = 4 Hand digging = 5 Using borrowed oxen = 6 others = 7	
12	Total number of fields recorded for the holder	
13	Total number of crop fields recorded for the holder	
14	Has the holder ploughed additional fields over that of the previous year? Yes = 1 No = 2	
15	If yes in question # 13, what was the previous state of the additional fields? Holder's virgin land = 1 Public/ Community virgin land = 2 Borrowed fallow land = 3 Other = 4	

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