

THE FEDERAL DEMOCRATIC REPUBLIC OF ETHIOPIA  
CENTRAL STATISTICAL AGENCY

***AGRICULTURAL SAMPLE SURVEY***  
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***REPORT ON***

**FARM MANAGEMENT PRACTICES**

(PRIVATE PEASANT HOLDINGS, MEHER SEASON)

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## **PART I**

### **INTRODUCTION AND OBJECTIVES OF THE SURVEY**

#### **1.1. INTRODUCTION**

A boost 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 2006/07 (1999 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 2006/07 (1999 E.C) Agricultural Main Season Survey dealt with included fertilizers, improved seeds, application of pesticides, irrigation, prevention of erosion, extension package, and other miscellaneous agricultural practices. Holders applying anyone of the above inputs are enumerated and data on quantity of inputs used and inputs applied area were recorded.

The 2006/07 (1999 E.C) Annual Agricultural Sample Survey (Meher season) covered the entire rural parts of the country except Gambella Region, and the non-sedentary population of three zones of Afar & six zones of Somali regions. Accordingly, the survey took into account all parts of Harari, Addis Ababa, Dire Dawa, and 61 additional Zones / Special weredas (that are treated as zones) of other regions.

To be covered by the survey, a total of 2,117 enumeration areas (EAs) and 250 resettlement localities were selected. However, due to various reasons that are beyond control, in 22 EAs and 2 resettlement localities the survey was disrupted. Thus, all in all the survey succeeded to cover 2,095 EAs and 248 resettlement localities (98.99%) throughout the regions. The Annual Agricultural Sample survey (Meher season) was conducted on the basis of 20 agricultural households selected from each EA/resettlement locality. Regarding the ultimate sampling units, it was intended to cover a total of 48,300 agricultural households, however, 46,702 (96.69%) were actually covered by the survey.

#### **2.2 SAMPLING FRAME**

The list containing EAs of all regions and their respective agricultural households obtained from the 2001/02 Ethiopian Agricultural Sample Enumeration (EASE) 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. Resettlement localities, on the other hand, are sub-samples of the list of all resettlements localities obtained from each region. The second stage

sampling units, households, were selected from a fresh list of households that were prepared for each EA/ resettlement localities 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) /resettlement localities were taken to be the primary sampling units (PSUs) and the secondary sampling units (SSUs) were agricultural households.

The sample size for the 2006/07 agricultural sample survey was determined by taking into account 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.

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

Moreover, values for the 2006/07 cultivated areas of crops and the expected amount of production for Gambella region are also provided. However, it is important to note that these values are not obtained from the survey but they are projections from the results of the 2003/04 annual Crop Production Forecast Sample Survey.

### **2.4 SELECTION SCHEME**

Enumeration areas/resettlement localities 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 1994 Population & Housing Census and adjusted for the sub-sampling effect. Sizes for resettlement localities on the other hand were obtained from the 2004 listings of resettlement localities. From the fresh list of households prepared at the beginning of the survey 20 agricultural households within each sample EA/resettlement locality 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 resettlement localities) by stratum is also presented in Appendix III.

## **2.5. ORGANIZATION OF FIELD WORK**

The conduct of a survey cannot be executed without the arrangement of fieldwork. In recognition of this, the organization of fieldwork has been entrusted to the Department of Field Operations that liaises between the Head Office and the 25 Branch Statistical Offices spread across the regions. All Branch Offices took part in the survey execution especially in recruiting the enumerators, organizing the 2<sup>nd</sup> 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 2388 enumerators, 455 field supervisors, 25 coordinators and 50 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 warrant the smooth operation of the survey. To facilitate the data collection activities, a total of 205 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 guaranteed when the training meets its objective of producing responsible and fervent enumerators and supervisors.

In light of this point, the training was given to the field staff in two stages. The first stage training, which took place at the Head Quarters of CSA and lasted 10 days targeted staff from the Head Office, and senior field supervisors from Branch Statistical Offices. The staff that took part in the first stage training was then assigned to conduct similar training for the enumerators and other supervisors for fifteen days in all the twenty- five Branch Statistical Offices distributed across the country.

In the training, the field staff was given detailed classroom instructions 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, and interviewing methods.

## **2.7 METHOD OF DATA COLLECTION**

The agricultural data for the year 2006/07 (1999 E.C) was collected from sedentary rural peasant households by interviewing the selected agricultural holders and physically measuring their crop fields and weighing inputs applied to crop fields. The data obtained were recorded in various forms designed for this purpose.

Instruments like measuring tape; compass, kitchen balance, scientific calculators and others were used during data collection for a speedy and smooth acquisition of accurate data. The procedures for measuring areas of all crop fields and other fields used by the holders and weighing the inputs applied were performed for the thirty selected households from each sampled E.A. using measuring tapes, compasses and kitchen balances.

## **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 43 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 35 days.

**b) Data Entry, Cleaning and Tabulation**

Before data entry, the Natural Resources and Agricultural Statistics Department prepared edit specification for the survey for use on personal computers for data consistency checking purposes. The data on the edited and coded questionnaires were then entered into personal computers. The data were then checked and cleaned using the edit specifications prepared earlier for this purpose. The data entry operation involved about 60 data encoders and it took 75 days to finish the job. Finally, summarization of the data was done on personal computers to produce statistical tables as per the tabulation plan.

**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 with out the help of others, operates land and/or raises livestock in his/her own right, i.e. the person who decides on which, where, when, and how to grow crops or raise livestock or both and has the right to determine the utilization of the products.

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

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

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

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

**Temporary/Annual Crops:** - Annual/temporary crops are crops, which are grown in less than a year's time, sometimes only a few months with an objective to sow or replant again for additional production following the current harvest. Continuously grown crops planted in rotation are also considered as temporary crops since each is harvested and destroyed by ploughing in preparation for each successive crop.

**Permanent 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.

## **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 four million quintals and the extent of area to which fertilizer was applied is estimated to be 5.3 million hectares.

Of all the volume of fertilizers used 2.5 million quintals was that of a mixture of UREA and DAP and 1.4 million was that of DAP. Most of the fertilizer used was applied to wheat (nearly 1.2 million quintals), teff (nearly 1.2 million quintals) and maize (more than 760 thousand quintals). The largest area to which fertilizer was applied was that of teff (more than 1.4 million hectares) followed by wheat (nearly than 1.1 million hectares) and maize (more than 960 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 2006/07 (1999 E.C) was estimated to be more than 175 thousand quintals. The crop area it was applied to was estimated to be - 360 thousand hectares. The larger volumes of improved seeds used were that of wheat and maize which amounted to more than 90 thousand and about 65 thousand quintals, respectively. The largest area to which improved seeds were applied was under maize and wheat estimated to be 268 thousand and 48 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 1.7 million hectares as indicated in Table 1. The number of holders who applied it was more than 2.7 million. Most of the crop area to which pesticide was applied was under teff (nearly 732 thousand hectares) and wheat (nearly 633 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.

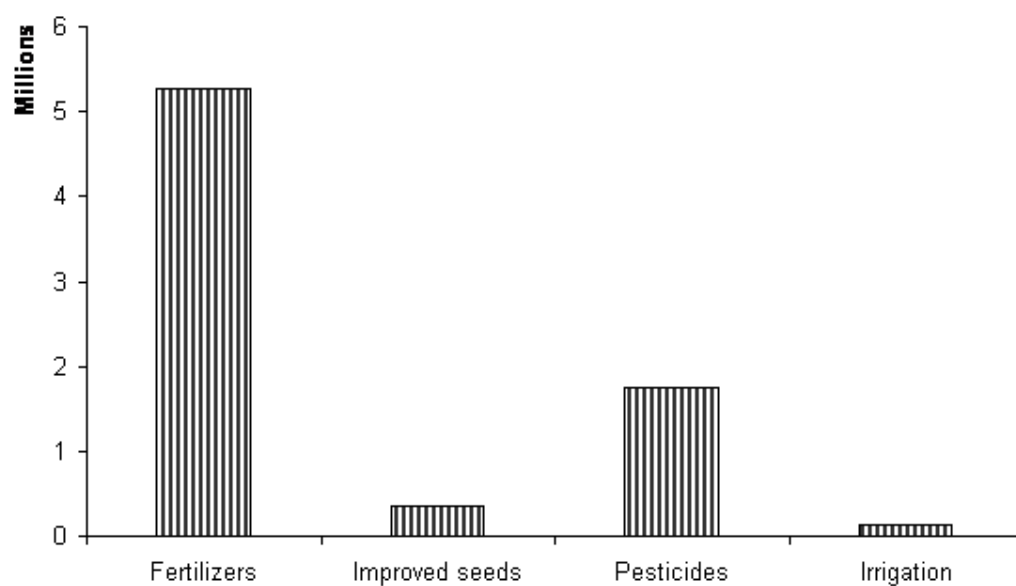
The total irrigated crop area in the country within the private peasant holdings was estimated to be more than 134 thousand hectares. The farmers who practice irrigation are estimated to number more than 833 thousand. Most of the area irrigated was under

maize, sorghum, and Teff estimated to be more than 41 thousand for maize and more than 9 thousand hectares for both sorghum and Teff.

### **3.5 Extension package**

The number of holders participating in various crop extension packages was estimated to be about 2.2 million. Most of the area under the extension program was reported to be under Teff, maize, and wheat estimated to be more than 400 thousand, about 380 thousand and more than 368 thousand hectares, respectively, as shown in Table 1. The extension package embraced about 1.2 million maize growers, more than 810 thousand teff growers and more than 700 thousand wheat growers. Credit and advisory services users numbered about 3.4 million and more than 6.1 million holders, respectively, as shown in Table 4.

**Fig. 1 Inputs Applied area (HA), Ethiopia**



**Fig.2 Quantity of Inputs Applied (QT), Ethiopia**

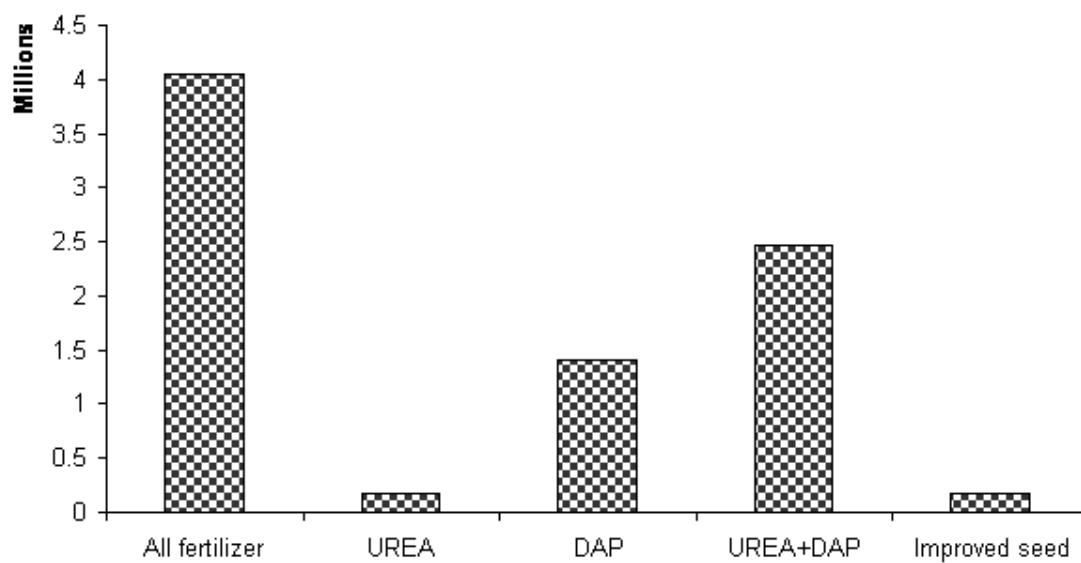




Table1. Number of Holders, Inputs Applied Area and Quantity of Inputs used

**Ethiopia**

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
<b>All</b>	11,787,775	5,271,173	4,045,834	7,906,446	1,608,762	2,807,571	1,747,159	1,401,812
<b>Cereals</b>	8,463,080	4,330,790	3,544,238	4,868,286	949,506	2,607,765	1,573,240	1,195,042
Teff	2,404,674	1,425,135	1,163,401	494,069	87,914	1,272,641	535,907	333,920
Barley	1,019,314	437,929	278,320	1,076,673	139,435	654,090	197,809	164,217
Wheat	1,473,917	1,051,269	1,176,416	695,624	90,916	1,034,063	473,153	426,815
Maize	1,688,680	960,880	766,244	3,719,456	401,526	836,476	217,677	182,620
Sorghum	1,461,429	261,339	68,417	1,009,740	201,849	120,162	19,672	17,830
Finger millet	374,072	182,471	85,334	160,206	24,769	301,525	121,545	65,366
Oats / 'Aja'	32,798	11,415	5,683	52,887	2,976	49,674	7,431	4,259
Rice	*	352	*	3,768	*	*	*	*
<b>Pulses</b>	1,378,939	274,915	158,817	1,958,381	153,548	597,272	95,483	97,857
Horse / Faba beans	459,202	127,906	56,114	1,067,030	82,914	279,240	36,879	37,732
Field Peas	221,715	52,084	31,421	266,534	20,453	161,197	27,056	25,455
Haricot beans	223,251	58,140	55,090	708,634	26,931	204,054	24,528	29,134
Chick peas	200,066	10,299	2,494	74,740	8,339	9,211	1,152	668
Lentils	97,110	14,473	4,079	87,849	7,696	44,759	3,601	2,107
Vetch / Grass peas	124,954	5,203	594	46,364	4,259	*	*	*
Soya beans	6,352	1,767	1,500	7,899	*	2,190	*	*
Fenugreek	20,762	3,703	3,537	159,214	2,068	11,174	582	820
Gibto	25,526	1,340	3,989	6,561	523	6,777	547	*
<b>Oilseeds</b>	740,847	76,210	95,476	647,716	35,777	168,499	23,260	25,355
Neug	274,720	15,436	4,902	54,379	9,211	26,936	5,133	2,928
Linseed	174,108	15,194	5,359	126,688	5,971	49,221	8,217	3,814
Groundnuts	37,050	8,191	3,003	45,132	5,127	7,974	*	*
Safflower	13,019	3,279	6,959	47,089	1,233	9,743	*	*
Sesame	211,312	11,150	2,975	53,730	5,342	9,952	1,806	908
Rapeseed	30,637	22,960	72,278	360,026	8,894	82,019	6,280	14,114
<b>Vegetables</b>	95,194	66,349	57,543	3,326,284	35,072	126,394	10,687	14,656
Lettuce	414	371	*	35,489	105	*	*	*
Head cabbage	2,080	1,376	1,109	182,174	767	8,294	372	550
Ethiopian cabbage	23,436	18,028	2,861	2,052,627	17,308	26,563	508	1,783
Tomatoes	*	*	*	91,540	827	*	*	*
Green peppers	6,875	3,722	1,101	660,513	2,940	5,963	211	105
Red peppers	56,889	38,163	41,549	872,997	13,049	84,646	9,151	11,915
Swiss chard	114	83	*	47,972	77	-	-	-
<b>Root crops</b>	188,917	118,229	80,871	2,781,187	69,065	329,030	31,447	41,106
Beetroot	1,663	1,222	*	192,522	639	4,463	*	*
Carrot	947	697	733	70,720	285	6,776	*	*
Onion	21,392	13,795	18,169	381,848	4,456	35,722	*	4,728
Potatoes	73,095	56,482	49,622	743,220	22,323	255,062	25,037	33,757
Garlic	9,266	6,104	6,323	994,119	4,287	27,000	416	598
Taro 'Godere'	29,337	13,788	*	624,500	13,351	7,022	*	*
Sweet potatoes	53,217	26,140	4,387	627,156	23,724	16,136	622	939
<b>Other Temporary</b>	97,677	32,814	11,758	1,961,768	26,978	49,506	2,796	4,099
<b>Permanent crops</b>	823,121	371,867		4,331,709	338,816			
Avocado	4,709	2,772		417,588	2,712			
Bananas	30,246	10,103		831,606	9,032			
Guava	1,363	537		107,214	438			
Lemons	682	248		66,628	208			
Mangoes	6,655	1,734		200,693	1,682			
Oranges	2,600	1,106		187,170	1,063			
Papayas	2,735	1,202		268,331	1,130			
Pineapples	*	*		3,308	14			
Chat	147,766	68,821		1,023,219	45,516			
Coffee	292,930	63,295		1,484,593	57,384			
Hops / 'Gescho'	23,771	10,423		875,073	9,441			
Enset	278,761	202,495		2,745,008	201,666			
Sugar cane	17,379	5,892		471,029	5,517			
Other permanent	12,845	3,169		450,419	3,013			

(Table 1cont'd.)

**Ethiopia**

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
<b>All</b>	604,021	203,574	170,281	2,438,836	1,711,678	2,473,741	11,909,294	11,427,794	8,402,337
<b>Cereals</b>	511,054	176,670	124,644	2,359,028	1,631,374	2,224,552	10,825,033	8,127,710	6,767,237
Teff	227,059	89,581	44,335	1,151,713	711,733	785,147	5,344,821	2,391,502	1,224,840
Barley	34,956	7,034	4,453	344,358	93,652	109,651	3,918,918	1,016,089	1,662,253
Wheat	99,369	25,899	21,928	1,049,141	461,301	727,673	4,043,913	1,425,964	2,641,967
Maize	192,481	29,101	35,385	989,476	312,576	548,238	7,252,236	1,420,699	642,753
Sorghum	78,135	16,889	16,654	119,661	22,929	33,933	4,319,203	1,458,889	378,026
Finger millet	25,876	8,134	1,850	103,277	28,023	18,118	1,355,211	373,608	151,518
Oats / 'Aja'	*	*	*	14,510	994	1,408	307,361	32,798	48,036
Rice	*	*	*	1,663	*	*	31,067	*	*
<b>Pulses</b>	56,693	4,159	8,844	202,950	21,725	52,117	6,457,606	1,373,914	1,428,005
Horse / Faba beans	16,818	758	855	83,856	7,354	17,526	3,385,903	458,568	640,812
Field Peas	2,900	*	*	30,326	4,407	5,729	1,520,320	221,444	251,563
Haricot beans	25,913	1,364	*	68,223	5,316	20,062	2,326,545	222,116	147,606
Chick peas	3,636	*	*	2,988	262	528	800,736	198,811	160,288
Lentils	6,961	917	278	19,376	2,260	1,694	799,035	96,019	79,371
Vetch / Grass peas	*	*	*	1,552	*	*	561,336	124,911	122,992
Soya beans	870	124	66	2,665	525	637	47,276	5,763	4,305
Fenugreek	3,750	*	*	13,500	958	*	482,641	20,756	10,988
Gibto	-	-	-	5,802	270	2,942	128,343	25,526	10,080
<b>Oilseeds</b>	41,768	5,598	4,296	158,408	11,575	65,826	3,323,537	736,791	207,094
Neug	3,368	*	*	10,826	571	1,649	1,068,142	274,718	51,384
Linseed	6,279	171	218	15,952	835	1,326	1,260,476	172,345	94,989
Groundnuts	10,393	1,798	1,694	2,509	107	320	225,316	36,846	22,052
Safflower	4,481	336	*	16,398	1,046	3,852	220,698	13,000	*
Sesame	13,147	2,501	1,116	5,512	1,502	951	646,125	210,337	24,549
Rapeseed	7,622	272	436	113,437	7,515	57,728	672,828	29,544	10,451
<b>Vegetables</b>	79,921	4,260	5,224	136,777	16,329	37,663	4,872,117	94,636	-
Lettuce	*	*	*	*	*	*	45,964	348	-
Head cabbage	3,876	*	*	11,487	189	479	249,707	1,948	-
Ethiopian cabbage	3,702	16	23	11,298	196	1,055	2,623,747	23,416	-
Tomatoes	*	*	*	8,485	*	*	166,189	*	-
Green peppers	*	*	*	10,582	*	*	1,038,290	6,867	-
Red peppers	61,376	3,224	3,094	99,519	12,739	26,540	1,666,211	56,762	-
Swiss chard	*	*	*	2,426	5	*	64,022	104	-
<b>Root crops</b>	81,351	2,709	3,982	182,551	15,008	35,783	4,738,628	186,804	-
Beetroot	3,385	*	*	*	*	*	263,164	1,253	-
Carrot	*	*	*	5,735	*	*	111,369	747	-
Onion	24,865	*	*	45,575	3,677	11,610	761,983	20,527	-
Potatoes	16,119	790	917	85,792	8,333	14,948	1,390,861	72,529	-
Garlic	24,608	129	306	47,438	*	*	1,539,981	9,255	-
Taro 'Godere'	*	*	*	*	*	70	1,016,109	29,303	-
Sweet potatoes	15,430	692	875	22,457	1,102	2,573	1,240,935	53,189	-
<b>Other Temporary</b>	23,892	692	1,156	44,020	2,350	6,503	3,183,423	97,575	-
<b>Permanent crops</b>							6,737,320	810,364	
Avocado							644,324	4,452	
Bananas							1,656,913	30,178	
Guava							269,516	1,306	
Lemons							166,127	668	
Mangoes							540,041	6,508	
Oranges							383,085	2,559	
Papayas							509,719	2,584	
Pineapples							26,454	*	
Chat							2,091,593	147,692	
Coffee							2,866,861	281,188	
Hops / 'Geshe'							1,743,067	23,703	
Enset							3,492,315	278,690	
Sugar cane							936,021	17,376	
Other permanent							945,950	12,780	

(Table 1 Con' td.)

**Ethiopia**

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
<b>All</b>	1,239,816	359,937	175,382	2,758,634	1,738,571	833,360	134,545	2,179,231	1,523,730
<b>Cereals</b>	970,406	335,369	168,162	2,545,991	1,671,288	275,763	71,084	2,072,091	1,424,319
Teff	30,340	13,172	4,640	1,534,565	731,899	37,347	9,044	810,518	433,727
Barley	12,581	3,225	7,757	534,088	165,233	33,090	5,032	349,510	121,314
Wheat	155,138	47,953	90,057	1,319,028	632,887	34,508	5,604	706,512	368,251
Maize	797,789	267,981	65,043	202,943	41,853	176,739	41,060	1,193,660	379,733
Sorghum	11,862	2,541	*	171,337	55,287	48,827	9,241	122,770	31,549
Finger millet	2,025	464	90	111,650	36,546	4,371	1,047	194,808	84,338
Oats / 'Aja'	-	-	-	58,740	7,508	*	*	29,209	5,202
Rice	*	*	*	*	*	*	*	1,619	*
<b>Pulses</b>	24,428	5,025	4,742	116,434	28,198	75,758	6,496	285,047	36,974
Horse / Faba beans	4,061	633	*	27,923	3,298	15,319	1,191	129,631	14,485
Field Peas	2,109	271	*	26,314	7,372	5,535	495	32,035	4,345
Haricot beans	9,408	1,135	1,345	31,007	*	22,216	1,029	94,981	8,255
Chick peas	*	*	*	7,886	2,422	10,843	2,304	15,112	2,128
Lentils	*	*	*	25,514	5,379	5,501	*	21,204	*
Vetch / Grass peas	*	*	*	6,519	1,156	3,754	*	7,354	1,622
Soya beans	2,387	*	*	*	*	*	*	1,861	*
Fenugreek	*	*	*	*	*	18,675	473	15,982	895
Gibto	-	-	-	*	*	*	*	8,336	573
<b>Oilseeds</b>	17,692	4,056	2,477	73,481	6,884	17,902	939	211,053	22,002
Neug	*	*	*	3,227	344	2,969	271	24,402	2,541
Linseed	4,326	*	1,051	57,978	5,779	3,973	191	30,676	4,584
Groundnuts	*	*	*	*	*	*	19	6,600	692
Safflower	*	*	*	4,921	*	2,283	*	16,554	1,127
Sesame	8,091	*	*	3,386	311	4,207	257	16,149	*
Rapeseed	3,273	*	*	4,055	130	3,515	163	132,594	8,661
<b>Vegetables</b>	56,654	559	-	45,965	*	242,238	7,321	131,775	11,750
Lettuce	12,826	*	-	-	-	11,848	19	10,458	*
Head cabbage	33,362	132	-	*	*	36,206	421	24,578	196
Ethiopian cabbage	2,678	*	-	13,924	133	36,448	223	11,407	113
Tomatoes	11,718	196	-	10,538	*	52,453	*	9,032	*
Green peppers	987	8	-	3,626	*	69,928	1,053	17,272	197
Red peppers	3,692	*	-	17,459	1,053	95,811	1,724	79,788	10,415
Swiss chard	9,667	10	-	*	*	18,127	35	9,892	18
<b>Root crops</b>	75,105	2,114	-	102,553	16,738	255,162	9,501	163,249	10,765
Beetroot	38,657	*	-	*	*	19,532	192	18,476	*
Carrot	26,440	*	-	*	*	16,199	147	15,377	*
Onion	21,573	*	-	23,394	4,494	110,682	4,874	46,841	2,735
Potatoes	*	*	-	62,869	11,870	51,552	2,326	60,820	5,998
Garlic	3,779	12	-	5,725	*	91,453	849	40,470	*
Taro 'Godere'	291	35	-	3,725	46	3,016	19	*	7
Sweet potatoes	2,049	*	-	6,363	259	37,355	1,094	15,095	723
<b>Other Temporary</b>	7,050	102	-	17,899	866	74,277	6,674	63,641	3,532
<b>Permanent crops</b>				134,465	10,342	484,396	32,531	198,982	14,388
Avocado				*	*	17,421	247	8,637	37
Bananas				7,173	38	135,500	7,409	24,301	434
Guava				*	*	32,079	239	8,448	74
Lemons				*	*	33,611	164	1,227	*
Mangoes				2,561	*	42,853	1,378	10,507	195
Oranges				4,340	*	52,997	498	5,738	36
Papayas				2,179	3	63,171	650	11,842	*
Pineapples				-	-	*	*	*	*
Chat				67,368	6,200	131,312	7,861	78,695	6,295
Coffee	133,253	11,742	-	30,517	*	201,104	7,514	61,615	5,515
Hops / 'Gescho'				10,587	102	181,843	1,996	38,828	885
Enset				15,242	756	23,447	1,365		
Sugar cane				3,058	*	78,140	2,847	5,136	*
Other permanent				5,477	45	56,710	362	14,343	135

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

**Tigray**

Crop type	All	All Fertilizers		Natural		DAP		
	Crop Area	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
<b>All</b>	871,742	350,493	147,847	514,829	168,796	57,540	31,659	16,002
<b>Cereals</b>	705,455	333,048	144,148	474,836	154,461	54,015	30,598	15,586
Teff	160,741	83,126	45,304	55,176	10,549	24,183	8,906	3,468
Barley	101,576	49,666	32,976	156,001	21,159	14,142	3,898	3,543
Wheat	100,140	49,267	42,092	105,470	15,280	12,031	2,310	2,894
Maize	58,613	45,770	6,772	356,026	37,835	4,940	567	242
Sorghum	207,489	65,887	5,042	181,532	56,295	9,330	3,605	1,223
Finger millet	75,978	39,220	11,849	68,759	13,280	23,988	11,313	4,206
Oats / 'Aja'	*	*	*	*	*	*	-	*
Rice	284	92	*	*	*	-	-	-
<b>Pulses</b>	61,555	9,774	1,053	117,476	8,634	*	160	*
Horse / Faba beans	17,289	4,913	637	80,211	4,297	*	*	*
Field Peas	6,618	1,360	*	17,637	1,326	*	*	*
Haricot beans	3,909	363	*	6,727	324	-	-	-
Chick peas	14,697	875	*	8,439	777	-	-	-
Lentils	8,114	910	77	7,970	704	*	*	*
Vetch / Grass peas	9,948	*	*	*	*	*	*	*
Soya beans	*	-	-	-	-	-	-	-
Fenugreek	928	184	*	13,549	147	*	*	*
Gibto	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	90,390	3,711	838	30,495	2,646	*	*	*
Neug	7,257	585	485	7,113	501	-	-	-
Linseed	11,698	731	*	10,665	618	*	*	*
Groundnuts	*	*	*	*	*	*	*	*
Safflower	228	106	96	4,211	*	*	*	*
Sesame	71,150	2,269	*	6,282	1,436	*	*	*
Rapeseed	29	16	-	3,811	16	-	-	-
<b>Vegetables</b>	2,376	1,476	508	168,839	1,258	2,572	20	24
Lettuce	20	15	*	8,725	15	-	-	-
Head cabbage	95	46	*	5,893	14	*	*	*
Ethiopian cabbage	*	*	-	1,361	*	-	-	-
Tomatoes	300	194	135	18,116	127	-	-	-
Green peppers	482	216	125	35,952	170	*	*	*
Red peppers	1,426	961	117	115,980	891	2,572	20	23
Swiss chard	31	23	*	8,151	19	-	-	-
<b>Root crops</b>	2,387	1,114	826	71,248	579	*	*	*
Beetroot	*	*	*	2,914	*	-	-	-
Carrot	*	39	*	4,071	*	-	-	-
Onion	1,125	327	*	25,095	111	*	*	*
Potatoes	622	445	*	20,812	243	*	*	*
Garlic	533	292	137	39,074	185	1,078	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	5	*	-	*	*	-	-	-
<b>Other Temporary</b>	825	253	115	27,871	184	-	-	-
<b>Permanent crops</b>	8,754	1,117		59,420	1,034			
Avocado	*	*		*	*			
Bananas	39	*		*	*			
Guava	67	*		3,725	18			
Lemons	44	*		3,553	*			
Mangoes	*	*		*	*			
Oranges	25	*		1,818	*			
Papayas	162	*		3,937	*			
Pineapples	-	-		-	-			
Chat	*	*		*	*			
Coffee	42	*		2,838	*			
Hops / 'Geshe'	1,775	509		41,352	454			
Enset	-	-		-	-			
Sugar cane	*	*		*	*			
Other permanent	6,355	421		14,939	420			

(Table 1.1cont'd.)

**Tigray**

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
<b>All</b>	39,341	12,311	6,614	217,433	137,726	125,232	736,224	864,252	565,853
<b>Cereals</b>	33,978	11,983	6,388	215,355	136,005	122,174	720,741	698,904	496,411
Teff	16,442	4,592	1,904	154,283	59,079	39,932	428,367	159,613	75,396
Barley	6,934	2,160	1,403	92,849	22,449	28,030	393,737	101,564	154,780
Wheat	9,298	2,223	1,787	96,098	29,454	37,411	315,116	95,120	149,781
Maize	6,308	445	234	47,689	6,924	6,297	505,323	58,569	28,286
Sorghum	4,805	1,034	383	28,747	4,953	3,436	441,658	207,341	57,887
Finger millet	6,545	1,528	677	58,053	13,098	6,966	275,721	75,807	29,166
Oats / 'Aja'	-	-	-	-	-	-	3,589	*	*
Rice	-	-	-	*	*	*	1,127	257	*
<b>Pulses</b>	1,752	*	*	10,543	805	862	379,468	61,076	56,742
Horse / Faba beans	*	*	*	7,252	539	553	207,400	17,247	22,024
Field Peas	-	-	-	*	*	*	71,388	6,508	8,260
Haricot beans	*	*	*	*	*	*	46,874	3,909	1,150
Chick peas	-	-	-	*	*	*	64,113	14,369	8,568
Lentils	*	*	*	916	*	*	70,712	8,114	7,376
Vetch / Grass peas	*	*	-	*	*	*	43,844	9,948	8,842
Soya beans	-	-	-	-	-	-	*	*	*
Fenugreek	*	*	*	*	*	*	42,713	928	454
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	*	*	*	6,084	254	665	262,611	90,306	12,700
Neug	-	-	-	3,533	83	485	52,531	7,257	1,520
Linseed	*	*	*	1,318	*	*	117,597	11,698	4,335
Groundnuts	-	-	-	-	-	-	*	*	*
Safflower	-	-	-	1,433	14	78	8,713	*	34
Sesame	-	-	-	*	*	*	122,355	71,073	6,780
Rapeseed	-	-	-	-	-	-	6,605	29	20
<b>Vegetables</b>	2,922	39	*	12,760	160	398	258,221	2,294	-
Lettuce	-	-	-	*	*	*	12,049	19	-
Head cabbage	*	*	*	2,405	*	*	12,350	87	-
Ethiopian cabbage	-	-	-	-	-	-	1,876	*	-
Tomatoes	*	*	*	2,618	46	106	33,032	241	-
Green peppers	*	*	*	3,351	32	71	71,160	476	-
Red peppers	*	*	*	6,216	47	93	161,164	1,422	-
Swiss chard	*	*	*	1,850	*	*	14,892	27	-
<b>Root crops</b>	5,061	69	68	14,628	381	690	142,261	2,261	-
Beetroot	-	-	-	*	*	*	2,952	*	-
Carrot	-	-	-	*	*	*	6,375	*	-
Onion	2,813	47	42	7,286	158	*	62,251	1,036	-
Potatoes	*	*	*	*	*	*	37,105	622	-
Garlic	*	*	*	6,717	96	115	76,269	527	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	1,979	4	-
<b>Other Temporary</b>	*	*	*	2,744	*	111	61,974	791	-
<b>Permanent crops</b>							201,261	8,621	
Avocado							*	*	
Bananas							4,109	33	
Guava							8,996	30	
Lemons							10,811	32	
Mangoes							*	*	
Oranges							4,782	10	
Papayas							8,619	*	
Pineapples							-	-	
Chat							6,169	*	
Coffee							7,064	42	
Hops / 'Geshe'							115,858	1,733	
Enset							-	-	
Sugar cane							*	*	
Other permanent							98,967	6,354	

(Table 1.1 Cont'd.)

**Tigray**

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
<b>All</b>	51,533	7,489	9,270	97,145	40,832	150,073	19,408	208,648	128,438
<b>Cereals</b>	28,957	6,551	8,669	85,319	38,432	45,025	13,883	195,750	122,553
Teff	4,784	1,127	475	36,812	12,873	19,891	4,527	123,986	43,388
Barley	*	*	*	22,232	3,480	6,056	529	86,313	20,981
Wheat	21,954	5,021	8,074	14,955	2,434	15,349	2,529	84,996	28,211
Maize	1,412	44	35	18,771	1,542	15,518	*	61,795	6,422
Sorghum	*	*	*	29,066	12,030	7,386	3,090	43,440	12,888
Finger millet	*	*	*	16,285	6,045	2,225	*	44,832	10,545
Oats / 'Aja'	-	-	-	-	-	-	-	*	*
Rice	*	*	*	*	*	*	*	*	*
<b>Pulses</b>	*	*	*	10,874	*	19,923	2,282	32,078	3,618
Horse / Faba beans	*	*	*	*	*	4,421	*	17,301	1,060
Field Peas	*	*	*	*	*	*	*	2,422	365
Haricot beans	-	-	-	*	*	-	-	*	*
Chick peas	*	*	*	*	*	5,498	*	3,775	*
Lentils	-	-	-	*	*	*	*	4,338	481
Vetch / Grass peas	-	-	-	-	-	*	*	3,340	714
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	*	*	7,345	103	3,527	*
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	947	*	*	2,449	189	3,670	*	13,183	1,345
Neug	-	-	-	*	*	*	*	4,121	142
Linseed	-	-	-	*	*	*	*	5,508	501
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	*	*	*	-	-	1,342	*	*	*
Sesame	*	*	*	*	154	*	20	2,286	686
Rapeseed	-	-	-	-	-	*	*	*	*
<b>Vegetables</b>	4,843	82	-	2,208	17	71,292	782	15,225	208
Lettuce	*	*	-	-	-	7,809	15	2,006	3
Head cabbage	1,469	8	-	-	-	11,456	77	3,340	35
Ethiopian cabbage	-	-	-	-	-	*	*	-	-
Tomatoes	2,510	58	-	*	*	20,938	211	3,818	72
Green peppers	*	*	-	*	*	31,959	306	6,216	47
Red peppers	922	4	-	1,865	14	17,857	125	4,673	46
Swiss chard	*	*	-	-	-	12,153	27	2,918	5
<b>Root crops</b>	5,762	*	-	*	*	65,158	1,389	18,928	412
Beetroot	1,072	2	-	-	-	3,892	*	*	*
Carrot	2,392	*	-	-	-	7,976	*	1,495	*
Onion	2,113	*	-	*	*	38,554	737	9,343	253
Potatoes	*	*	-	-	-	12,475	279	3,521	*
Garlic	1,614	*	-	*	*	29,678	274	9,129	63
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	-	-	-	*	*	*	*
<b>Other Temporary</b>	*	34	-	*	*	13,579	46	4,544	*
<b>Permanent crops</b>				1,579	*	56,081	869	13,447	201
Avocado				-	-	*	*	*	*
Bananas				*	*	4,242	34	*	6
Guava				*	*	9,099	41	4,021	*
Lemons				-	-	5,018	15	*	*
Mangoes				-	-	*	*	*	*
Oranges				-	-	4,700	16	2,330	*
Papayas				*	*	8,257	*	2,736	*
Pineapples				-	-	-	-	-	-
Chat				-	-	*	*	*	*
Coffee	-	-	-	-	-	4,485	20	*	*
Hops / 'Gesho'				*	*	47,223	568	8,151	58
Enset				-	-	-	-	-	-
Sugar cane				-	-	*	*	-	-
Other permanent				*	*	4,044	*	*	*

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
<b>All</b>	197,714	101,668	30,804	109,631	43,809	28,108	20,331	6,752
<b>Cereals</b>	167,967	99,079	30,019	102,288	42,389	27,105	19,562	6,595
Teff	36,757	27,005	15,685	1,760	514	13,676	5,512	1,950
Barley	534	*	*	2,282	27	*	*	*
Wheat	*	-	-	-	-	-	-	-
Maize	21,975	20,567	4,410	97,067	15,720	3,030	483	168
Sorghum	66,068	25,874	2,084	46,991	20,506	6,591	3,000	817
Finger millet	42,481	25,522	7,812	17,896	5,621	20,092	10,562	3,649
Oats / 'Aja'	-	-	*	-	-	*	-	*
Rice	-	-	-	-	-	-	-	-
<b>Pulses</b>	10,038	513	*	5,984	331	-	-	-
Horse / Faba beans	2,233	208	*	3,116	128	-	-	-
Field Peas	*	*	-	*	*	-	-	-
Haricot beans	*	10	*	*	*	-	-	-
Chick peas	5,661	283	*	2,286	185	-	-	-
Lentils	*	-	-	-	-	-	-	-
Vetch / Grass peas	*	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	*	*	-	*	*	-	-	-
Gibto	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	18,090	*	*	3,148	*	*	*	*
Neug	3,831	*	*	*	*	-	-	-
Linseed	1,082	*	-	*	*	-	-	-
Groundnuts	*	*	*	-	-	*	*	*
Safflower	*	*	*	*	*	-	-	-
Sesame	13,141	*	*	*	*	*	*	*
Rapeseed	*	-	-	-	-	-	-	-
<b>Vegetables</b>	910	676	87	73,790	637	*	*	*
Lettuce	*	*	-	*	*	-	-	-
Head cabbage	-	-	-	-	-	-	-	-
Ethiopian cabbage	*	*	-	*	*	-	-	-
Tomatoes	50	22	*	1,705	*	-	-	-
Green peppers	14	*	-	*	*	-	-	-
Red peppers	844	641	*	72,535	614	*	*	*
Swiss chard	*	*	*	*	*	-	-	-
<b>Root crops</b>	*	*	*	5,171	9	-	-	-
Beetroot	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	*	*	*	1,979	2	-	-	-
Potatoes	*	-	-	-	-	-	-	-
Garlic	*	*	*	*	*	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	*	-	-	-	-	-	-	-
<b>Other Temporary</b>	70	*	*	*	*	-	-	-
<b>Permanent crops</b>	*	*		3,032	*			
Avocado	-	-		-	-			
Bananas	*	-		-	-			
Guava	*	*		*	*			
Lemons	6	*		*	*			
Mangoes	-	-		-	-			
Oranges	*	-		-	-			
Papayas	*	*		*	*			
Pineapples	-	-		-	-			
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	4,924	1,455	457	47,263	36,072	23,595	132,147	196,427	76,774
Cereals	4,395	1,448	447	46,940	35,680	22,977	131,750	167,114	67,534
Teff	*	*	*	40,284	20,655	13,673	81,873	36,121	17,327
Barley	-	-	-	*	*	*	12,543	534	607
Wheat	-	-	-	-	-	-	*	*	*
Maize	*	*	*	15,709	4,304	4,214	125,222	21,970	9,405
Sorghum	*	*	*	5,223	*	*	105,636	66,030	22,155
Finger millet	2,150	675	250	25,357	8,664	3,914	102,200	42,309	17,979
Oats / ‘Aja’	-	-	-	-	-	-	*	-	*
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	*	*	*	*	57,361	9,711	6,238
Horse / Faba beans	-	-	-	*	*	*	26,128	2,233	1,962
Field Peas	-	-	-	-	-	-	6,922	*	*
Haricot beans	*	*	*	*	*	*	12,718	*	*
Chick peas	-	-	-	*	*	*	23,036	5,334	2,793
Lentils	-	-	-	-	-	-	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	*	*	*
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	*	*	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	*	*	*	71,694	18,008	3,001
Neug	-	-	-	*	*	*	20,961	3,831	820
Linseed	-	-	-	-	-	-	18,016	1,082	357
Groundnuts	-	-	-	-	-	-	*	*	*
Safflower	-	-	-	*	*	*	*	*	*
Sesame	-	-	-	*	*	*	44,422	13,064	1,806
Rapeseed	-	-	-	-	-	-	*	*	*
Vegetables	*	*	-	1,772	*	71	95,548	910	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	*	*	-
Tomatoes	-	-	-	*	*	*	5,631	50	-
Green peppers	-	-	-	-	-	-	4,154	14	-
Red peppers	*	*	-	1,343	*	*	93,749	843	-
Swiss chard	-	-	-	*	*	*	*	*	-
Root crops	*	*	*	*	*	*	11,357	*	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	*	*	*	*	*	*	6,681	*	-
Potatoes	-	-	-	-	-	-	*	*	-
Garlic	-	-	-	*	*	*	5,882	*	-
Taro ‘Godere’	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	*	*	-
Other Temporary	-	-	-	*	*	*	4,025	69	-
Permanent crops							17,959	*	
Avocado							-	-	
Bananas							*	*	
Guava							*	*	
Lemons							2,258	4	
Mangoes							-	-	
Oranges							1,159	*	
Papayas							1,514	*	
Pineapples							-	-	
Chat							-	-	
Coffee							961	*	
Hops / ‘Gesho’							14,983	*	
Enset							-	-	
Sugar cane							-	-	
Other permanent							1,120	*	



(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
<b>All</b>	7,504	1,287	*	22,124	15,301	8,761	394	43,940	27,301
<b>Cereals</b>	2,921	852	307	20,995	15,222	*	*	41,944	26,299
Teff	1,888	637	259	2,215	832	*	*	23,731	11,370
Barley	-	-	-	*	*	-	-	*	*
Wheat	-	-	-	-	-	-	-	-	-
Maize	*	*	*	3,643	*	*	*	10,271	2,359
Sorghum	*	*	-	14,894	8,602	*	*	10,918	*
Finger millet	*	*	*	12,390	5,283	-	-	15,257	6,293
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	*	*	*	*	*	*	*	*	*
Horse / Faba beans	-	-	-	-	-	-	-	*	*
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	*	*	-	-	-	-
Chick peas	*	*	*	-	-	*	*	*	*
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	*	*	*	*	*	-	-	2,494	*
Neug	-	-	-	-	-	-	-	*	*
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	*	*	*	-	-	-	-	*	*
Sesame	*	*	*	*	*	-	-	*	*
Rapeseed	-	-	-	-	-	-	-	-	-
<b>Vegetables</b>	*	*	-	*	*	1,612	8	841	*
Lettuce	-	-	-	-	-	*	*	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	*	*	-	-	-	801	*	*	*
Green peppers	-	-	-	-	-	*	*	-	-
Red peppers	*	*	-	*	*	*	*	*	*
Swiss chard	-	-	-	-	-	*	*	-	-
<b>Root crops</b>	*	*	-	-	-	*	*	*	*
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	*	*	*	*
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	*	*	-	-	-	*	*	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
<b>Other Temporary</b>	*	*	-	-	-	-	-	*	*
<b>Permanent crops</b>	-	-	-	-	-	6,035	*	1,429	*
Avocado	-	-	-	-	-	-	-	-	-
Bananas	-	-	-	-	-	*	*	-	-
Guava	-	-	-	-	-	*	*	-	-
Lemons	-	-	-	-	-	744	*	-	-
Mangoes	-	-	-	-	-	-	-	-	-
Oranges	-	-	-	-	-	*	*	*	*
Papayas	-	-	-	-	-	1,264	*	*	*
Pineapples	-	-	-	-	-	-	-	-	-
Chat	-	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	*	*	-	-
Hops / 'Gesho'	-	-	-	-	-	4,921	*	*	*
Enset	-	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	-	-	-	-
Other permanent	-	-	-	-	-	*	*	*	*

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

**Central Tigray**

Crop type	All	All Fertilizers		Natural		DAP		
	Crop Area	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
<b>All</b>	214,819	118,036	43,472	172,728	65,900	7,688	*	*
<b>Cereals</b>	190,970	113,193	42,174	164,908	61,773	7,406	*	*
Teff	63,001	38,493	22,338	31,918	6,024	*	*	*
Barley	17,692	10,360	6,427	58,762	5,515	*	*	*
Wheat	19,731	11,267	7,272	36,643	5,687	-	-	-
Maize	17,439	15,731	1,591	135,261	13,584	*	*	*
Sorghum	56,081	28,051	2,218	94,528	25,256	1,208	*	*
Finger millet	16,985	9,259	2,276	36,313	5,701	3,371	687	494
Oats / 'Aja'	*	-	-	-	-	-	-	-
Rice	*	*	*	*	*	-	-	-
<b>Pulses</b>	16,411	3,323	466	49,687	2,857	-	-	-
Horse / Faba beans	7,795	2,305	309	39,149	1,973	-	-	-
Field Peas	615	*	-	2,311	*	-	-	-
Haricot beans	1,506	299	*	4,502	264	-	-	-
Chick peas	1,319	54	-	1,202	54	-	-	-
Lentils	2,634	333	*	3,716	*	-	-	-
Vetch / Grass peas	*	*	*	*	*	-	-	-
Soya beans	*	-	-	-	-	-	-	-
Fenugreek	*	71	*	6,257	53	-	-	-
Gibto	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	5,552	583	416	13,798	508	*	*	*
Neug	821	188	379	4,344	125	-	-	-
Linseed	2,895	243	*	3,300	*	-	-	-
Groundnuts	*	*	-	*	*	-	-	-
Safflower	32	23	*	2,293	18	*	*	*
Sesame	1,779	*	-	1,116	*	-	-	-
Rapeseed	*	*	-	3,248	*	-	-	-
<b>Vegetables</b>	471	320	121	48,893	265	*	*	*
Lettuce	*	*	*	4,580	*	-	-	-
Head cabbage	*	*	-	*	*	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-
Tomatoes	95	*	*	3,762	*	-	-	-
Green peppers	122	79	*	17,812	68	-	-	-
Red peppers	215	160	61	27,349	127	*	*	*
Swiss chard	*	*	*	3,573	*	-	-	-
<b>Root crops</b>	473	228	172	25,911	146	-	-	-
Beetroot	*	*	-	*	*	-	-	-
Carrot	36	14	*	1,795	9	-	-	-
Onion	215	86	98	9,293	34	-	-	-
Potatoes	38	*	-	5,338	*	-	-	-
Garlic	175	96	55	19,179	71	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	-	*	*	-	-	-
<b>Other Temporary</b>	55	37	*	12,659	32	-	-	-
<b>Permanent crops</b>	888	353		19,132	319			
Avocado	*	*		*	*			
Bananas	*	*		*	*			
Guava	15	*		*	*			
Lemons	*	*		*	*			
Mangoes	*	*		*	*			
Oranges	5	*		*	*			
Papayas	*	*		2,110	*			
Pineapples	-	-		-	-			
Chat	-	-		-	-			
Coffee	7	*		979	*			
Hops / 'Gesho'	644	*		15,386	*			
Enset	-	-		-	-			
Sugar cane	*	*		*	*			
Other permanent	41	*		*	*			

(Table 1.1.2cont'd.)

**Central Tigray**

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
<b>All</b>	10,592	2,453	1,679	88,432	47,055	40,103	214,332	213,892	141,402
<b>Cereals</b>	9,703	2,441	1,668	88,136	46,357	38,820	213,568	190,132	124,259
Teff	6,508	1,368	842	81,260	29,611	20,661	172,299	62,836	31,297
Barley	*	*	*	39,354	4,590	6,182	123,353	17,692	27,106
Wheat	*	*	*	29,972	5,437	7,033	82,643	19,128	32,271
Maize	*	*	*	20,444	1,984	1,492	175,347	17,419	8,684
Sorghum	*	*	*	19,588	2,282	1,848	155,697	56,058	17,884
Finger millet	2,217	445	*	22,794	2,426	1,551	101,243	16,985	6,991
Oats / 'Aja'	-	-	-	-	-	-	*	*	*
Rice	-	-	-	*	*	*	*	*	*
<b>Pulses</b>	-	-	-	5,259	465	466	125,103	16,411	15,636
Horse / Faba beans	-	-	-	3,639	332	309	91,161	7,795	9,494
Field Peas	-	-	-	-	-	-	11,279	615	646
Haricot beans	-	-	-	*	*	*	23,548	1,506	415
Chick peas	-	-	-	-	-	-	8,741	1,319	1,078
Lentils	-	-	-	*	*	*	29,182	2,634	1,948
Vetch / Grass peas	-	-	-	*	*	*	8,756	*	*
Soya beans	-	-	-	-	-	-	*	*	*
Fenugreek	-	-	-	*	*	*	15,817	*	207
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	3,538	75	416	62,854	5,551	1,507
Neug	-	-	-	2,877	63	379	17,013	821	186
Linseed	-	-	-	*	*	*	38,551	2,895	1,091
Groundnuts	-	-	-	-	-	-	*	*	*
Safflower	-	-	-	*	*	*	3,371	31	*
Sesame	-	-	-	-	-	-	14,368	1,779	215
Rapeseed	-	-	-	-	-	-	4,242	*	*
<b>Vegetables</b>	-	-	-	6,441	51	117	72,927	436	-
Lettuce	-	-	-	*	*	*	5,415	*	-
Head cabbage	-	-	-	-	-	-	*	*	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	-	-	-	*	*	*	7,493	73	-
Green peppers	-	-	-	*	*	*	29,826	118	-
Red peppers	-	-	-	4,383	29	58	39,066	214	-
Swiss chard	-	-	-	*	*	*	4,567	*	-
<b>Root crops</b>	*	*	*	5,686	70	161	48,980	440	-
Beetroot	-	-	-	-	-	-	*	*	-
Carrot	-	-	-	*	*	*	1,476	*	-
Onion	*	*	*	3,668	39	86	20,653	213	-
Potatoes	-	-	-	-	-	-	8,060	38	-
Garlic	-	-	-	3,541	*	55	36,836	169	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	*	*	-
<b>Other Temporary</b>	-	-	-	1,423	*	*	21,542	55	-
<b>Permanent crops</b>							43,524	868	
Avocado							*	*	
Bananas							2,303	*	
Guava							2,838	*	
Lemons							3,686	*	
Mangoes							*	*	
Oranges							1,432	*	
Papayas							4,570	*	
Pineapples							-	-	
Chat							-	-	
Coffee							1,893	7	
Hops / 'Geshe'							37,509	634	
Enset							-	-	
Sugar cane							*	*	
Other permanent							4,633	41	

(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
<b>All</b>	12,808	927	1,300	47,414	15,793	41,642	2,044	76,656	38,804
<b>Cereals</b>	5,304	838	1,300	42,881	14,984	8,934	1,093	70,337	36,833
Teff	1,043	*	*	26,178	8,404	3,222	395	58,667	18,527
Barley	-	-	-	15,934	2,483	*	*	35,711	5,005
Wheat	3,181	603	1,140	9,924	1,434	1,966	*	25,662	5,292
Maize	*	*	*	13,679	979	4,565	204	27,644	2,479
Sorghum	*	*	-	9,685	1,283	1,393	*	21,061	3,374
Finger millet	-	-	-	2,324	374	*	*	18,421	2,128
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	*	*	*	*	*	*	*	*	*
<b>Pulses</b>	-	-	-	*	*	2,767	37	15,477	1,598
Horse / Faba beans	-	-	-	*	*	*	*	8,760	759
Field Peas	-	-	-	*	*	-	-	*	*
Haricot beans	-	-	-	*	*	-	-	*	*
Chick peas	-	-	-	*	*	*	*	*	*
Lentils	-	-	-	*	*	-	-	1,961	*
Vetch / Grass peas	-	-	-	-	-	-	-	*	*
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	*	*	2,068	9	2,024	*
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	*	*	*	*	*	*	*	5,008	148
Neug	-	-	-	*	*	-	-	3,456	*
Linseed	-	-	-	*	*	*	*	901	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	*	*	*	-	-	*	*	*	*
Sesame	-	-	-	-	-	-	-	*	*
Rapeseed	-	-	-	-	-	*	*	*	*
<b>Vegetables</b>	1,843	*	-	*	*	24,246	267	6,202	49
Lettuce	-	-	-	-	-	3,017	*	1,106	*
Head cabbage	*	*	-	-	-	*	*	*	*
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	*	*	-	-	-	6,067	86	*	*
Green peppers	*	*	-	-	-	9,840	67	3,083	*
Red peppers	*	*	*	*	*	12,181	82	2,588	21
Swiss chard	*	*	-	-	-	3,830	*	*	*
<b>Root crops</b>	3,816	*	-	*	*	21,858	246	9,486	102
Beetroot	*	*	-	-	-	*	*	*	*
Carrot	1,938	*	-	-	-	3,138	*	*	*
Onion	*	*	-	*	*	12,646	103	4,912	37
Potatoes	*	*	-	-	-	*	*	*	*
Garlic	*	*	-	*	*	15,714	99	6,165	*
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	*	*	-	-
<b>Other Temporary</b>	*	*	-	*	*	6,513	14	2,140	*
<b>Permanent crops</b>				*	*	17,482	307	4,008	67
Avocado				-	-	*	*	*	*
Bananas				-	-	2,302	*	*	*
Guava				-	-	3,130	12	*	*
Lemons				-	-	2,400	4	*	*
Mangoes				-	-	*	*	*	*
Oranges				-	-	2,000	5	*	*
Papayas				-	-	5,113	*	*	*
Pineapples				-	-	-	-	-	-
Chat				-	-	-	-	-	-
Coffee	-	-	-	-	-	1,585	*	*	*
Hops / 'Geshe'				*	*	13,482	146	2,373	*
Enset				-	-	-	-	-	-
Sugar cane				-	-	*	*	-	-
Other permanent				*	*	1,293	*	*	*

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

**East Tigray**

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
<b>All</b>	93,226	47,800	31,422	85,445	21,113	15,576	5,487	4,271
<b>Cereals</b>	74,729	44,267	30,650	77,789	18,098	14,187	5,363	4,154
Teff	9,497	6,360	2,909	5,928	658	*	*	*
Barley	28,042	17,244	11,613	55,006	8,861	9,101	1,853	1,656
Wheat	22,687	13,555	14,091	39,321	4,334	9,194	1,569	1,735
Maize	5,296	3,200	423	37,687	2,676	1,137	44	*
Sorghum	5,538	1,830	*	7,412	*	*	*	*
Finger millet	3,305	2,051	*	6,423	626	*	*	*
Oats / 'Aja'	*	-	-	-	-	-	-	-
Rice	*	*	-	*	*	-	-	-
<b>Pulses</b>	10,377	2,485	*	27,508	2,328	*	*	*
Horse / Faba beans	1,715	827	*	18,171	761	*	*	*
Field Peas	1,719	520	*	7,603	485	*	*	*
Haricot beans	*	-	-	-	-	-	-	-
Chick peas	1,202	*	-	*	*	-	-	-
Lentils	*	74	*	1,588	52	-	-	-
Vetch / Grass peas	4,304	*	-	*	*	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	*	*	*	2,519	*	-	-	-
Gibto	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	1,765	200	*	4,441	142	*	*	*
Neug	-	-	-	-	-	-	-	-
Linseed	1,644	190	*	3,509	139	*	*	*
Groundnuts	-	-	-	-	-	-	-	-
Safflower	*	*	*	*	*	-	-	-
Sesame	*	*	*	*	*	*	*	*
Rapeseed	*	*	-	*	*	-	-	-
<b>Vegetables</b>	240	182	146	19,517	111	*	*	*
Lettuce	5	5	-	2,931	5	-	-	-
Head cabbage	22	15	*	3,112	7	*	*	*
Ethiopian cabbage	*	*	-	643	*	-	-	-
Tomatoes	108	98	70	11,073	62	-	-	-
Green peppers	84	48	43	7,227	25	*	*	*
Red peppers	*	*	*	*	*	*	*	*
Swiss chard	8	6	*	2,601	5	-	-	-
<b>Root crops</b>	378	*	*	12,502	60	*	*	*
Beetroot	*	*	-	*	*	-	-	-
Carrot	2	*	-	1,096	*	-	-	-
Onion	164	62	43	6,854	33	*	*	*
Potatoes	*	*	*	5,035	22	*	*	*
Garlic	24	8	*	*	4	*	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-
<b>Other Temporary</b>	20	*	*	1,412	*	-	-	-
<b>Permanent crops</b>	5,717	411		13,379	367			
Avocado	-	-	-	-	-			
Bananas	*	*	*	*	*			
Guava	*	*	*	*	*			
Lemons	*	*	*	*	*			
Mangoes	-	-	-	-	-			
Oranges	*	*	*	*	*			
Papayas	*	-	-	-	-			
Pineapples	-	-	-	-	-			
Chat	*	-	-	-	-			
Coffee	*	*	*	*	*			
Hops / 'Geshe'	292	*		8,176	*			
Enset	-	-	-	-	-			
Sugar cane	-	-	-	-	-			
Other permanent	5,359	254		4,833	254			

(Table 1.1.3 cont'd.)

**East Tigray**

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
<b>All</b>	15,128	4,043	2,077	32,737	17,157	25,074	117,566	91,186	103,092
<b>Cereals</b>	12,688	3,867	1,928	32,335	16,939	24,568	115,406	72,754	89,924
Teff	6,537	*	*	10,732	2,298	1,632	43,097	9,376	5,466
Barley	2,695	339	297	25,272	6,191	9,660	104,513	28,030	43,717
Wheat	4,012	*	532	28,964	6,856	11,823	89,497	20,864	33,302
Maize	2,223	*	*	5,030	307	*	61,337	5,277	3,933
Sorghum	*	*	*	2,090	*	*	30,284	5,538	1,700
Finger millet	*	*	*	*	*	*	24,063	3,305	1,243
Oats / 'Aja'	-	-	-	-	-	-	*	*	*
Rice	-	-	-	-	-	-	*	*	-
<b>Pulses</b>	873	*	*	*	*	*	71,839	10,377	12,191
Horse / Faba beans	*	*	*	*	*	*	37,431	1,715	3,257
Field Peas	-	-	-	*	*	*	25,501	1,719	2,610
Haricot beans	-	-	-	-	-	-	*	*	*
Chick peas	-	-	-	-	-	-	6,539	1,202	854
Lentils	*	*	*	-	-	-	12,325	*	*
Vetch / Grass peas	*	*	-	-	-	-	18,468	4,304	4,285
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	*	*	*	*	*	*	9,315	*	90
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	*	*	*	*	*	*	22,965	1,765	977
Neug	-	-	-	-	-	-	-	-	-
Linseed	*	*	*	*	*	*	20,486	1,644	878
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	*	*	*	*	*	*
Sesame	-	-	-	-	-	-	*	*	*
Rapeseed	-	-	-	-	-	-	*	*	*
<b>Vegetables</b>	2,155	*	*	2,250	*	*	33,679	220	-
Lettuce	-	-	-	-	-	-	3,170	4	-
Head cabbage	*	*	*	*	*	*	6,839	19	-
Ethiopian cabbage	-	-	-	-	-	-	643	*	-
Tomatoes	*	*	*	*	*	*	15,747	92	-
Green peppers	*	*	*	967	*	*	14,773	84	-
Red peppers	*	*	*	*	*	*	*	*	-
Swiss chard	*	*	*	-	-	-	5,014	8	-
<b>Root crops</b>	3,097	39	43	2,593	*	*	28,217	378	-
Beetroot	-	-	-	-	-	-	784	*	-
Carrot	-	-	-	-	-	-	2,083	2	-
Onion	1,292	*	*	979	*	*	16,004	164	-
Potatoes	*	*	*	*	*	*	10,807	*	-
Garlic	*	*	*	*	*	*	8,702	24	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
<b>Other Temporary</b>	*	*	*	-	-	-	5,098	20	-
<b>Permanent crops</b>							72,482	5,672	
Avocado							-	-	
Bananas							*	*	
Guava							1,993	*	
Lemons							*	*	
Mangoes							-	-	
Oranges							1,849	*	
Papayas							-	-	
Pineapples							-	-	
Chat							*	*	
Coffee							*	*	
Hops / 'Geshe'							25,109	*	
Enset							-	-	
Sugar cane							-	-	
Other permanent							64,293	5,358	

(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
<b>All</b>	14,674	2,040	*	6,759	*	38,320	982	37,519	20,947
<b>Cereals</b>	10,819	1,974	*	6,759	*	3,735	*	35,502	20,173
Teff	*	*	*	*	*	*	*	15,927	4,953
Barley	*	*	*	3,111	*	1,514	93	25,736	6,226
Wheat	9,475	1,823	*	2,902	*	819	*	26,503	6,887
Maize	*	*	*	*	*	1,861	*	11,101	820
Sorghum	-	-	-	-	-	-	-	2,448	346
Finger millet	-	-	-	-	-	*	*	6,093	*
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	-	-	-	*	*	2,433	76	4,879	*
Horse / Faba beans	-	-	-	*	*	729	*	*	*
Field Peas	-	-	-	-	-	*	*	*	*
Haricot beans	-	-	-	-	-	-	-	-	-
Chick peas	-	-	-	-	-	-	-	1,270	*
Lentils	-	-	-	-	-	-	-	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	*	*
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	1,464	*	*	*
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	-	-	820	*	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	*	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	*	*	*	*
Sesame	-	-	-	-	-	*	*	*	*
Rapeseed	-	-	-	-	-	*	*	-	-
<b>Vegetables</b>	1,651	*	-	*	*	23,335	172	5,431	74
Lettuce	*	*	-	-	-	2,874	5	*	*
Head cabbage	*	*	-	-	-	6,062	18	1,883	*
Ethiopian cabbage	-	-	-	-	-	*	*	-	-
Tomatoes	1,064	*	-	-	-	11,282	82	2,131	*
Green peppers	-	-	-	-	-	9,393	54	2,474	*
Red peppers	-	-	-	*	*	*	*	*	*
Swiss chard	*	*	-	-	-	4,579	8	*	*
<b>Root crops</b>	*	*	-	-	-	17,947	245	4,086	*
Beetroot	-	-	-	-	-	*	*	*	*
Carrot	-	-	-	-	-	1,819	2	-	-
Onion	*	*	-	-	-	11,805	139	1,827	*
Potatoes	-	-	-	-	-	5,479	*	*	*
Garlic	-	-	-	-	-	5,469	*	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
<b>Other Temporary</b>	-	-	-	-	-	1,969	*	*	*
<b>Permanent crops</b>				*	*	15,724	126	3,576	*
Avocado				-	-	-	-	-	-
Bananas				-	-	*	*	*	*
Guava				-	-	2,766	*	*	*
Lemons				-	-	*	*	*	*
Mangoes				-	-	-	-	-	-
Oranges				-	-	1,907	*	*	*
Papayas				-	-	*	*	*	*
Pineapples				-	-	-	-	-	-
Chat				-	-	*	*	*	*
Coffee	-	-	-	-	-	*	*	*	*
Hops / 'Geshe'				*	*	13,698	*	2,134	9
Enset				-	-	-	-	-	-
Sugar cane				-	-	-	-	-	-
Other permanent				*	*	1,036	*	*	*

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
<b>All</b>	247,491	70,291	39,259	109,194	28,283	6,068	*	*
<b>Cereals</b>	214,574	66,220	38,459	95,452	24,907	5,215	*	*
Teff	46,465	8,810	2,944	12,224	2,670	1,579	*	91
Barley	54,591	21,340	14,739	36,807	6,281	*	*	*
Wheat	56,910	23,884	20,044	28,118	5,029	2,837	*	*
Maize	10,050	3,976	*	53,158	3,559	-	-	-
Sorghum	43,698	7,296	141	19,599	6,807	*	*	*
Finger millet	2,514	*	*	3,589	*	-	-	-
Oats / 'Aja'	324	*	-	*	*	-	-	-
Rice	*	*	*	-	-	-	-	-
<b>Pulses</b>	22,838	2,654	*	26,437	2,319	*	*	*
Horse / Faba beans	4,587	1,038	*	14,200	901	*	*	*
Field Peas	3,219	643	-	5,941	643	-	-	-
Haricot beans	*	*	-	*	*	-	-	-
Chick peas	5,915	*	-	2,800	*	-	-	-
Lentils	4,226	503	*	2,666	*	*	*	*
Vetch / Grass peas	2,937	*	*	*	*	*	*	*
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	293	64	*	4,645	46	*	*	*
Gibto	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	6,704	375	*	5,078	*	*	*	*
Neug	*	*	-	*	*	-	-	-
Linseed	5,737	*	*	2,803	*	-	-	-
Groundnuts	-	-	-	-	-	-	-	-
Safflower	*	*	*	*	*	*	*	*
Sesame	*	*	-	*	*	-	-	-
Rapeseed	*	*	-	*	*	-	-	-
<b>Vegetables</b>	379	147	151	13,254	107	-	-	-
Lettuce	3	*	-	*	*	-	-	-
Head cabbage	58	*	*	*	*	-	-	-
Ethiopian cabbage	*	*	-	*	*	-	-	-
Tomatoes	*	*	*	*	*	-	-	-
Green peppers	236	72	*	7,801	60	-	-	-
Red peppers	39	*	-	2,090	*	-	-	-
Swiss chard	7	4	*	1,750	*	-	-	-
<b>Root crops</b>	1,290	522	*	22,214	330	*	*	*
Beetroot	*	*	*	*	*	-	-	-
Carrot	*	*	*	*	*	-	-	-
Onion	*	125	*	6,351	38	*	*	-
Potatoes	*	*	*	10,124	*	-	-	-
Garlic	207	126	66	7,928	*	*	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	-	*	*	-	-	-
<b>Other Temporary</b>	280	*	*	10,247	*	-	-	-
<b>Permanent crops</b>	1,425	239		17,500	234			
Avocado	-	-		-	-			
Bananas	*	*		*	*			
Guava	13	*		*	*			
Lemons	*	*		*	*			
Mangoes	*	*		*	*			
Oranges	*	*		*	*			
Papayas	*	*		*	*			
Pineapples	-	-		-	-			
Chat	*	*		*	*			
Coffee	*	*		*	*			
Hops / 'Geshe'	211	49		10,348	45			
Enset	-	-		-	-			
Sugar cane	-	-		-	-			
Other permanent	946	163		7,855	163			



(Table 1.1.4 cont'd.)

**South Tigray**

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
<b>All</b>	8,588	4,359	2,401	42,542	34,457	33,645	202,146	244,439	224,308
<b>Cereals</b>	7,192	4,227	2,345	41,619	34,057	33,040	194,488	211,774	200,657
Teff	*	*	*	17,335	4,741	2,538	112,451	46,260	18,980
Barley	2,877	*	*	27,448	11,451	11,993	148,474	54,591	81,956
Wheat	3,960	1,285	*	35,735	16,829	17,869	138,341	54,316	82,977
Maize	1,665	*	*	6,505	329	*	89,624	10,050	4,987
Sorghum	*	*	*	1,711	353	*	92,229	43,698	10,387
Finger millet	-	-	-	*	*	*	17,594	2,514	880
Oats / 'Aja'	-	-	-	-	-	-	2,230	324	461
Rice	-	-	-	*	*	*	*	*	*
<b>Pulses</b>	*	*	-	1,953	*	*	107,246	22,687	21,632
Horse / Faba beans	*	*	-	1,524	*	*	40,695	4,545	6,600
Field Peas	-	-	-	-	-	-	25,366	3,108	3,939
Haricot beans	-	-	-	-	-	-	*	*	*
Chick peas	-	-	-	-	-	-	23,050	5,915	3,685
Lentils	*	*	-	*	*	-	27,639	4,226	4,327
Vetch / Grass peas	-	-	-	-	-	-	14,294	2,937	2,418
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	*	*	*	15,808	293	136
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	*	*	*	42,022	6,704	2,019
Neug	-	-	-	-	-	-	*	*	39
Linseed	-	-	-	*	*	*	36,808	5,737	1,892
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	*	*	*	*	*	*
Sesame	-	-	-	-	-	-	*	*	*
Rapeseed	-	-	-	-	-	-	*	*	*
<b>Vegetables</b>	*	*	*	2,163	*	*	32,042	376	-
Lettuce	-	-	-	-	-	-	1,945	3	-
Head cabbage	-	-	-	*	*	*	4,061	56	-
Ethiopian cabbage	-	-	-	-	-	-	*	*	-
Tomatoes	-	-	-	*	*	*	2,366	*	-
Green peppers	*	*	*	*	*	*	19,154	235	-
Red peppers	-	-	-	-	-	-	4,263	39	-
Swiss chard	-	-	-	*	*	*	4,857	7	-
<b>Root crops</b>	*	*	*	5,359	163	*	47,388	1,199	-
Beetroot	-	-	-	*	*	*	*	*	-
Carrot	-	-	-	*	*	*	*	*	-
Onion	*	*	*	1,766	*	*	18,374	547	-
Potatoes	*	*	*	*	*	*	17,684	*	-
Garlic	*	*	-	2,645	44	*	18,554	207	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	*	*	-
<b>Other Temporary</b>	-	-	-	899	*	*	23,688	280	-
<b>Permanent crops</b>							51,495	1,419	
Avocado							-	-	
Bananas							*	*	
Guava							3,578	*	
Lemons							*	*	
Mangoes							*	*	
Oranges							*	*	
Papayas							*	*	
Pineapples							-	-	
Chat							*	*	
Coffee							1,611	*	
Hops / 'Geshe'							25,261	208	
Enset							-	-	
Sugar cane							-	-	
Other permanent							27,843	946	

(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
<b>All</b>	14,313	3,052	4,392	16,105	5,622	58,537	15,810	43,122	37,958
<b>Cereals</b>	9,775	2,800	4,156	10,314	4,186	31,437	12,286	40,975	36,076
Teff	*	*	*	*	*	16,225	4,031	22,136	7,381
Barley	-	-	-	2,911	583	2,950	333	24,266	9,589
Wheat	9,298	2,595	4,106	2,024	*	12,565	2,228	32,105	15,812
Maize	-	-	-	*	*	8,719	*	12,396	731
Sorghum	-	-	-	*	*	5,789	2,952	6,734	1,908
Finger millet	-	-	-	-	-	*	*	*	*
Oats / 'Aja'	-	-	-	-	-	-	-	*	*
Rice	-	-	-	-	-	-	-	*	*
<b>Pulses</b>	*	*	*	*	*	14,504	2,120	9,620	1,061
Horse / Faba beans	*	*	*	*	*	*	*	*	*
Field Peas	*	*	*	-	-	*	*	*	*
Haricot beans	-	-	-	*	*	-	-	-	-
Chick peas	-	-	-	*	*	5,004	*	*	*
Lentils	-	-	-	*	*	*	*	1,954	273
Vetch / Grass peas	-	-	-	-	-	*	*	*	*
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	3,813	49	*	*
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	*	*	1,763	*	4,398	*
Neug	-	-	-	-	-	*	*	-	-
Linseed	-	-	-	-	-	*	*	3,924	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	*	*	*	*
Sesame	-	-	-	*	*	*	*	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
<b>Vegetables</b>	*	*	-	*	*	21,176	297	2,454	38
Lettuce	-	-	-	-	-	*	*	*	*
Head cabbage	*	*	-	-	-	3,490	48	926	*
Ethiopian cabbage	-	-	-	-	-	*	*	-	-
Tomatoes	*	*	-	-	-	2,338	*	*	*
Green peppers	*	*	-	*	*	12,369	182	*	*
Red peppers	-	-	-	-	-	2,547	*	*	*
Swiss chard	-	-	-	-	-	3,517	5	879	*
<b>Root crops</b>	*	*	-	*	*	23,792	882	5,145	*
Beetroot	*	*	-	-	-	*	*	*	*
Carrot	*	*	-	-	-	*	*	*	*
Onion	*	*	-	*	*	12,811	482	2,400	*
Potatoes	-	-	-	-	-	5,627	*	1,394	*
Garlic	-	-	-	*	*	8,085	155	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	-	-	-	*	*	-	-
<b>Other Temporary</b>	-	-	-	-	-	4,329	*	*	*
<b>Permanent crops</b>				879	*	15,170	150	*	*
Avocado				-	-	-	-	-	-
Bananas				-	-	*	*	*	*
Guava				*	*	2,661	*	*	*
Lemons				-	-	*	*	*	*
Mangoes				-	-	*	*	*	*
Oranges				-	-	*	*	*	*
Papayas				*	*	*	*	*	*
Pineapples				-	-	-	-	-	-
Chat				-	-	*	*	-	-
Coffee	-	-	-	-	-	*	*	*	*
Hops / 'Gescho'				*	*	14,035	111	*	*
Enset				-	-	-	-	-	-
Sugar cane				-	-	-	-	-	-
Other permanent				*	*	*	*	*	*

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
<b>All</b>	118,492	12,698	2,891	37,831	9,691	101	22	76
<b>Cereals</b>	57,216	10,289	2,846	34,399	7,295	101	22	76
Teff	5,020	2,458	1,427	3,347	683	-	-	-
Barley	717	613	180	3,144	474	-	-	-
Wheat	661	562	685	1,388	230	-	-	-
Maize	3,854	2,296	-	32,852	2,296	-	-	-
Sorghum	36,103	2,836	84	13,002	2,809	101	12	51
Finger millet	10,693	1,514	470	4,539	791	101	10	25
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	167	11	-	106	11	-	-	-
<b>Pulses</b>	1,890	799	-	7,860	799	-	-	-
Horse / Faba beans	959	535	-	5,574	535	-	-	-
Field Peas	162	106	-	1,490	106	-	-	-
Haricot beans	129	33	-	1,197	33	-	-	-
Chick peas	599	126	-	656	126	-	-	-
Lentils	35	-	-	-	-	-	-	-
Vetch / Grass peas	6	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	*	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	58,279	1,321	-	4,031	1,321	-	-	-
Neug	2,420	325	-	2,138	325	-	-	-
Linseed	340	45	-	845	45	-	-	-
Groundnuts	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	55,518	950	-	1,896	950	-	-	-
Rapeseed	*	-	-	-	-	-	-	-
<b>Vegetables</b>	376	151	3	13,385	139	-	-	-
Lettuce	2	-	-	-	-	-	-	-
Head cabbage	1	*	-	101	*	-	-	-
Ethiopian cabbage	*	-	-	-	-	-	-	-
Tomatoes	31	9	-	673	1	-	-	-
Green peppers	25	7	-	858	7	-	-	-
Red peppers	318	135	3	12,527	130	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
<b>Root crops</b>	42	34	1	5,449	34	-	-	-
Beetroot	*	*	-	101	*	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	5	4	-	619	4	-	-	-
Potatoes	*	*	-	314	*	-	-	-
Garlic	36	29	1	5,200	29	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	*	-	-	-	-	-	-	-
<b>Other Temporary</b>	400	33	-	2,286	33	-	-	-
<b>Permanent crops</b>	288	71	-	6,377	71	-	-	-
Avocado	-	-	-	-	-	-	-	-
Bananas	14	-	-	-	-	-	-	-
Guava	*	-	-	-	-	-	-	-
Lemons	18	6	-	1,609	6	-	-	-
Mangoes	-	-	-	-	-	-	-	-
Oranges	*	-	-	-	-	-	-	-
Papayas	16	1	-	215	1	-	-	-
Pineapples	-	-	-	-	-	-	-	-
Chat	-	-	-	-	-	-	-	-
Coffee	10	3	-	391	3	-	-	-
Hops / 'Geshe'	228	60	-	5,436	60	-	-	-
Enset	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	-	-	-
Other permanent	2	1	-	588	1	-	-	-

(Table 1.1.5 cont'd.)

**Western Tigray**

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
<b>All</b>	108	1	1	6,459	2,985	2,814	70,034	118,308	20,277
<b>Cereals</b>	-	-	-	6,325	2,973	2,770	65,529	57,129	14,036
Teff	-	-	-	4,673	1,775	1,427	18,647	5,020	2,326
Barley	-	-	-	328	138	180	4,854	717	1,394
Wheat	-	-	-	1,426	332	685	3,424	661	1,188
Maize	-	-	-	-	-	-	53,794	3,853	1,278
Sorghum	-	-	-	*	*	*	57,812	36,017	5,762
Finger millet	-	-	-	1,768	713	445	30,620	10,693	2,074
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	209	167	15
<b>Pulses</b>	-	-	-	-	-	-	17,918	1,890	1,045
Horse / Faba beans	-	-	-	-	-	-	11,985	959	711
Field Peas	-	-	-	-	-	-	2,320	162	140
Haricot beans	-	-	-	-	-	-	2,806	129	31
Chick peas	-	-	-	-	-	-	2,747	599	158
Lentils	-	-	-	-	-	-	738	35	4
Vetch / Grass peas	-	-	-	-	-	-	100	6	*
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	110	*	*
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	-	-	-	63,077	58,279	5,196
Neug	-	-	-	-	-	-	11,446	2,420	475
Linseed	-	-	-	-	-	-	3,735	340	117
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	59,658	55,518	4,604
Rapeseed	-	-	-	-	-	-	*	*	*
<b>Vegetables</b>	108	1	1	*	*	*	24,025	353	-
Lettuce	-	-	-	-	-	-	410	2	-
Head cabbage	-	-	-	-	-	-	137	*	-
Ethiopian cabbage	-	-	-	-	-	-	*	*	-
Tomatoes	-	-	-	*	*	-	1,795	12	-
Green peppers	-	-	-	-	-	-	3,253	24	-
Red peppers	108	1	1	*	*	*	20,643	315	-
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	-	-	-	117	*	1	6,319	41	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	539	5	-
Potatoes	-	-	-	-	-	-	314	*	-
Garlic	-	-	-	117	*	1	6,295	36	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	*	*	-
<b>Other Temporary</b>	-	-	-	-	-	-	7,621	368	-
<b>Permanent crops</b>	-	-	-	-	-	-	15,801	248	-
Avocado	-	-	-	-	-	-	-	-	-
Bananas	-	-	-	-	-	-	412	9	-
Guava	-	-	-	-	-	-	121	*	-
Lemons	-	-	-	-	-	-	3,247	9	-
Mangoes	-	-	-	-	-	-	-	-	-
Oranges	-	-	-	-	-	-	106	*	-
Papayas	-	-	-	-	-	-	1,604	2	-
Pineapples	-	-	-	-	-	-	-	-	-
Chat	-	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	999	10	-
Hops / 'Geshe'	-	-	-	-	-	-	12,995	216	-
Enset	-	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	-	-	-	-
Other permanent	-	-	-	-	-	-	1,077	2	-

(Table 1.1.5 Cont'd.)

**Western Tigray**

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
<b>All</b>	2,233	184	*	4,742	2,530	2,813	178	7,411	3,427
<b>Cereals</b>	139	*	*	4,369	2,480	397	55	6,992	3,173
Teff	-	-	-	995	278	94	14	3,526	1,156
Barley	-	-	-	-	-	117	15	234	137
Wheat	-	-	-	*	*	-	-	726	220
Maize	*	*	*	528	33	154	*	382	33
Sorghum	101	*	*	3,163	1,764	*	*	2,279	1,007
Finger millet	-	-	-	1,571	388	-	-	1,492	620
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	-	-	-	-	-	-	-	106	10
Horse / Faba beans	-	-	-	-	-	-	-	106	10
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	-	-	-	-
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	125	46	*	*	178	163
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	125	46	*	*	178	163
Rapeseed	-	-	-	-	-	-	-	-	-
<b>Vegetables</b>	503	22	-	236	3	923	38	296	31
Lettuce	*	*	-	-	-	416	1	268	*
Head cabbage	101	*	-	-	-	101	*	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	289	19	-	*	*	450	26	155	22
Green peppers	*	*	-	*	*	135	*	*	*
Red peppers	120	2	-	230	2	272	9	*	7
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	108	1	-	-	-	277	5	*	*
Beetroot	101	*	-	-	-	101	*	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	101	1	-	-	-	270	4	-	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	148	1	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	-	-	-	*	*	*	*
<b>Other Temporary</b>	243	33	-	*	*	769	5	243	33
<b>Permanent crops</b>	-	-	-	*	*	1,670	57	418	18
Avocado	-	-	-	-	-	-	-	-	-
Bananas	-	-	-	*	*	304	13	*	*
Guava	-	-	-	-	-	*	*	*	*
Lemons	-	-	-	-	-	836	6	*	*
Mangoes	-	-	-	-	-	-	-	-	-
Oranges	-	-	-	-	-	*	*	-	-
Papayas	-	-	-	-	-	573	14	301	13
Pineapples	-	-	-	-	-	-	-	-	-
Chat	-	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	218	4	-	-
Hops / 'Gescho'	-	-	-	-	-	1,087	20	110	*
Enset	-	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	-	-	-	-
Other permanent	-	-	-	-	-	124	*	-	-

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
<b>All</b>	18,399	2,588	*	2,041	735	1,929	*	*
<b>Cereals</b>	17,518	2,242	*	1,668	673	1,929	*	*
Teff	2,493	*	*	587	*	1,896	*	*
Barley	*	*	*	*	*	*	*	*
Wheat	*	*	*	*	*	*	*	*
Maize	13,221	237	*	1,227	222	*	*	*
Sorghum	1,552	244	*	1,149	205	509	*	*
Finger millet	*	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
<b>Pulses</b>	260	33	-	681	33	-	-	-
Horse / Faba beans	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-
Haricot beans	239	33	-	681	33	-	-	-
Chick peas	*	*	-	*	*	-	-	-
Lentils	*	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	*	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	244	*	*	*	*	1,137	*	*
Neug	*	-	-	-	-	-	-	-
Linseed	3	-	-	-	-	-	-	-
Groundnuts	*	-	-	-	-	-	-	-
Safflower	122	*	*	*	*	1,098	*	*
Sesame	110	*	*	*	*	*	*	*
Rapeseed	-	-	-	-	-	-	-	-
<b>Vegetables</b>	30	*	*	567	5	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-
Ethiopian cabbage	*	*	-	*	*	-	-	-
Tomatoes	*	*	*	-	-	-	-	-
Green peppers	*	*	-	*	*	-	-	-
Red peppers	11	*	-	429	*	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
<b>Root crops</b>	*	*	*	*	*	*	*	*
Beetroot	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	*	*	*	*	*	*	*	*
Potatoes	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	*	-	-	-	-	-	-	-
<b>Other Temporary</b>	*	*	-	285	*	-	-	-
<b>Permanent crops</b>	59	4	-	485	4	-	-	-
Avocado	*	-	-	-	-	-	-	-
Bananas	13	*	*	*	*	-	-	-
Guava	*	*	*	*	*	-	-	-
Lemons	*	-	-	-	-	-	-	-
Mangoes	*	-	-	-	-	-	-	-
Oranges	-	-	-	-	-	-	-	-
Papayas	4	*	-	330	*	-	-	-
Pineapples	-	-	-	-	-	-	-	-
Chat	*	-	-	-	-	-	-	-
Coffee	*	-	-	-	-	-	-	-
Hops / 'Geshe'	*	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-
Sugar cane	*	*	*	*	*	-	-	-
Other permanent	21	*	-	*	*	-	-	-

(Table 1.2 cont'd.)

**Afar Region**

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
<b>All</b>	*	*	*	*	*	*	13,315	17,892	6,959
<b>Cereals</b>	*	*	*	*	*	*	12,850	17,021	6,874
Teff	*	*	*	-	-	-	3,807	2,493	656
Barley	-	-	-	-	-	-	*	*	*
Wheat	-	-	-	-	-	-	*	*	*
Maize	-	-	-	*	*	*	11,773	12,724	5,905
Sorghum	-	-	-	-	-	-	3,939	1,552	157
Finger millet	-	-	-	-	-	-	*	*	*
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	-	-	-	-	-	-	2,674	260	60
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	-	2,485	239	51
Chick peas	-	-	-	-	-	-	*	*	*
Lentils	-	-	-	-	-	-	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	*	*	*
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	*	*	*	-	-	-	2,585	243	24
Neug	-	-	-	-	-	-	*	*	*
Linseed	-	-	-	-	-	-	259	3	*
Groundnuts	-	-	-	-	-	-	*	*	*
Safflower	*	*	*	-	-	-	1,876	122	13
Sesame	-	-	-	-	-	-	1,399	110	10
Rapeseed	-	-	-	-	-	-	-	-	-
<b>Vegetables</b>	-	-	-	*	*	*	1,577	29	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	*	*	-
Tomatoes	-	-	-	*	*	*	*	*	-
Green peppers	-	-	-	-	-	-	*	*	-
Red peppers	-	-	-	-	-	-	1,155	11	-
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	*	*	*	*	*	*	975	*	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	*	*	*	*	*	*	935	*	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	*	*	-
<b>Other Temporary</b>	-	-	-	-	-	-	1,013	*	-
<b>Permanent crops</b>							2,713	52	
Avocado							-	-	
Bananas							476	*	
Guava							*	*	
Lemons							512	*	
Mangoes							*	*	
Oranges							-	-	
Papayas							1,217	3	
Pineapples							-	-	
Chat							*	*	
Coffee							*	*	
Hops / 'Geshe'							530	*	
Enset							-	-	
Sugar cane							*	*	
Other permanent							1,130	21	

(Table 1.2 Cont'd.)

**Afar Region**

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
<b>All</b>	1,183	507	142	1,594	1,353	9,089	13,010	1,712	*
<b>Cereals</b>	764	497	141	1,519	1,220	8,553	12,652	*	*
Teff	-	-	-	1,096	*	*	*	*	*
Barley	-	-	-	-	-	-	-	*	*
Wheat	-	-	-	*	*	-	-	-	-
Maize	764	497	141	*	*	8,417	12,580	413	*
Sorghum	-	-	-	580	*	*	*	620	*
Finger millet	-	-	-	-	-	*	*	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	-	-	-	*	*	*	*	147	*
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	*	*	*	*	147	*
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	*	*	*	*	*	180	*	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	*	*	*	-	-	*	*	-	-
Safflower	-	-	-	*	*	*	*	*	*
Sesame	-	-	-	*	*	*	*	*	*
Rapeseed	-	-	-	-	-	-	-	-	-
<b>Vegetables</b>	*	*	-	-	-	190	*	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	*	*	-	-	-	*	*	*	*
Green peppers	-	-	-	-	-	*	*	-	-
Red peppers	-	-	-	-	-	*	*	*	*
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	-	-	-	-	-	192	*	*	*
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	192	*	*	*
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
<b>Other Temporary</b>	-	-	-	*	*	*	*	*	*
<b>Permanent crops</b>				*	*	1,228	43	*	*
Avocado				-	-	*	*	-	-
Bananas				-	-	612	*	-	-
Guava				-	-	153	*	-	-
Lemons				-	-	*	*	-	-
Mangoes				-	-	274	*	-	-
Oranges				-	-	-	-	-	-
Papayas				*	*	*	*	-	-
Pineapples				-	-	-	-	-	-
Chat				-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-	-
Hops / 'Gesho'				*	*	-	-	*	*
Enset				-	-	-	-	-	-
Sugar cane				-	-	*	*	-	-
Other permanent				-	-	781	20	*	*



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
<b>All</b>	12,475	-	-	-	-	-	-	-
<b>Cereals</b>	12,425	-	-	-	-	-	-	-
Teff	-	-	-	-	-	-	-	-
Barley	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-
Maize	12,386	-	-	-	-	-	-	-
Sorghum	*	-	-	-	-	-	-	-
Finger millet	*	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
<b>Pulses</b>	-	-	-	-	-	-	-	-
Horse / Faba beans	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	-	-	-
Chick peas	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	*	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-
Groundnuts	*	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	*	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-
<b>Vegetables</b>	*	-	-	-	-	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-
Tomatoes	*	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	-	-	-
Red peppers	*	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
<b>Root crops</b>	*	-	-	-	-	-	-	-
Beetroot	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	*	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-
<b>Other Temporary</b>	-	-	-	-	-	-	-	-
<b>Permanent crops</b>	40	-	-	-	-	-	-	-
Avocado	*	-	-	-	-	-	-	-
Bananas	*	-	-	-	-	-	-	-
Guava	*	-	-	-	-	-	-	-
Lemons	-	-	-	-	-	-	-	-
Mangoes	*	-	-	-	-	-	-	-
Oranges	-	-	-	-	-	-	-	-
Papayas	*	-	-	-	-	-	-	-
Pineapples	-	-	-	-	-	-	-	-
Chat	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-
Hops / 'Geshe'	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	-	-	-
<b>Other permanent</b>	21	-	-	-	-	-	-	-

(Table 1.2.1cont'd.)

## Zone 1

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
<b>All</b>	-	-	-	-	-	-	7,594	12,071	5,709
<b>Cereals</b>	-	-	-	-	-	-	7,405	12,031	5,709
Teff	-	-	-	-	-	-	-	-	-
Barley	-	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-	-
Maize	-	-	-	-	-	-	7,385	11,991	5,691
Sorghum	-	-	-	-	-	-	*	*	*
Finger millet	-	-	-	-	-	-	*	*	*
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	-	-	-	-	-	-	-	-	-
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	-	-	-	-
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	-	-	-	*	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	*	*	*
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	*	*	*
Rapeseed	-	-	-	-	-	-	-	-	-
<b>Vegetables</b>	-	-	-	-	-	-	*	*	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	-	-	-
Red peppers	-	-	-	-	-	-	*	*	-
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	-	-	-	-	-	-	*	*	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	*	*	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
<b>Other Temporary</b>	-	-	-	-	-	-	-	-	-
<b>Permanent crops</b>							900	33	
Avocado	-	-	-	-	-	-	-	-	-
Bananas	-	-	-	-	-	-	*	*	-
Guava	-	-	-	-	-	-	*	*	-
Lemons	-	-	-	-	-	-	-	-	-
Mangoes	-	-	-	-	-	-	*	*	-
Oranges	-	-	-	-	-	-	-	-	-
Papayas	-	-	-	-	-	-	-	-	-
Pineapples	-	-	-	-	-	-	-	-	-
Chat	-	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-	-
Hops / 'Gesho'	-	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	-	-	-	-
Other permanent	-	-	-	-	-	-	781	20	-

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
<b>All</b>	754	404	116	*	*	7,771	12,290	223	*
<b>Cereals</b>	336	394	116	*	*	7,470	12,240	*	*
Teff	-	-	-	-	-	-	-	-	-
Barley	-	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-	-
Maize	336	394	116	*	*	7,451	12,201	*	*
Sorghum	-	-	-	-	-	*	*	-	-
Finger millet	-	-	-	-	-	*	*	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	-	-	-	-	-	-	-	-	-
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	-	-	-	-
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	*	*	*	-	-	*	*	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	*	*	*	-	-	*	*	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	*	*	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
<b>Vegetables</b>	*	*	-	-	-	112	*	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	*	*	-	-	-	*	*	*	*
Green peppers	-	-	-	-	-	-	-	-	-
Red peppers	-	-	-	-	-	*	*	*	*
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	-	-	-	-	-	*	*	-	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	*	*	-	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
<b>Other Temporary</b>	-	-	-	-	-	-	-	-	-
<b>Permanent crops</b>	-	-	-	-	-	1,117	40	*	*
Avocado	-	-	-	-	-	*	*	-	-
Bananas	-	-	-	-	-	568	*	-	-
Guava	-	-	-	-	-	109	*	-	-
Lemons	-	-	-	-	-	-	-	-	-
Mangoes	-	-	-	-	-	274	*	-	-
Oranges	-	-	-	-	-	-	-	-	-
Papayas	-	-	-	-	-	*	*	-	-
Pineapples	-	-	-	-	-	-	-	-	-
Chat	-	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-	-
Hops / 'Geshe'	-	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	-	-	-	-
Other permanent	-	-	-	-	-	781	20	*	*

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
<b>All</b>	5,924	2,588	*	2,041	735	1,929	*	*
<b>Cereals</b>	5,093	2,242	*	1,668	673	1,929	*	*
Teff	2,493	*	*	587	*	1,896	*	*
Barley	*	*	*	*	*	*	*	*
Wheat	*	*	*	*	*	*	*	*
Maize	835	237	*	1,227	222	*	*	*
Sorghum	1,539	244	*	1,149	205	509	*	*
Finger millet	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
<b>Pulses</b>	260	33	-	681	33	-	-	-
Horse / Faba beans	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-
Haricot beans	239	33	-	681	33	-	-	-
Chick peas	*	*	-	*	*	-	-	-
Lentils	*	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	*	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	241	*	*	*	*	1,137	*	*
Neug	*	-	-	-	-	-	-	-
Linseed	3	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-
Safflower	122	*	*	*	*	1,098	*	*
Sesame	110	*	*	*	*	*	*	*
Rapeseed	-	-	-	-	-	-	-	-
<b>Vegetables</b>	*	*	*	567	5	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-
Ethiopian cabbage	*	*	-	*	*	-	-	-
Tomatoes	*	*	*	-	-	-	-	-
Green peppers	*	*	-	*	*	-	-	-
Red peppers	10	*	-	429	*	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
<b>Root crops</b>	*	*	*	*	*	*	*	*
Beetroot	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	*	*	*	*	*	*	*	*
Potatoes	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	*	-	-	-	-	-	-	-
<b>Other Temporary</b>	*	*	-	285	*	-	-	-
<b>Permanent crops</b>	18	4	-	485	4	-	-	-
Avocado	-	-	-	-	-	-	-	-
Bananas	*	*	*	*	*	-	-	-
Guava	*	*	*	*	*	-	-	-
Lemons	*	-	-	-	-	-	-	-
Mangoes	-	-	-	-	-	-	-	-
Oranges	-	-	-	-	-	-	-	-
Papayas	3	*	-	330	*	-	-	-
Pineapples	-	-	-	-	-	-	-	-
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

[illegible]

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

**Amhara Region**

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
<b>All</b>	3,750,473	1,570,668	1,323,949	2,245,542	452,341	518,636	359,815	277,883
<b>Cereals</b>	2,767,788	1,386,282	1,154,332	1,790,974	336,255	483,192	326,274	232,683
Teff	939,488	528,973	419,148	269,224	50,862	307,318	146,598	93,044
Barley	351,264	100,430	37,958	454,931	63,241	71,016	20,012	19,618
Wheat	427,720	266,390	341,942	298,024	37,215	109,312	34,483	38,380
Maize	376,937	312,526	289,373	1,342,818	118,760	149,042	35,037	30,001
Sorghum	481,219	63,600	4,433	245,886	58,181	9,337	1,702	*
Finger millet	176,885	112,555	61,022	50,387	6,398	182,340	88,442	49,772
Oats / 'Aja'	7,658	1,639	*	24,174	1,534	-	-	-
Rice	*	*	*	*	*	-	-	-
<b>Pulses</b>	617,361	91,533	44,916	561,591	64,222	92,142	20,812	24,142
Horse / Faba beans	212,907	57,589	29,865	409,069	41,722	73,096	12,337	16,920
Field Peas	80,342	16,077	6,057	90,374	8,471	29,146	6,616	5,064
Haricot beans	47,242	3,676	1,164	82,018	3,378	*	*	*
Chick peas	121,550	5,323	*	32,175	4,653	*	*	*
Lentils	52,790	4,338	360	39,286	3,519	3,516	355	*
Vetch / Grass peas	67,676	1,816	*	19,389	1,597	*	*	*
Soya beans	*	*	*	-	-	*	*	*
Fenugreek	8,978	1,034	*	38,743	385	*	*	*
Gibto	25,398	1,316	3,989	6,110	499	6,777	547	*
<b>Oilseeds</b>	253,394	32,716	72,251	318,611	15,045	79,762	8,135	14,475
Neug	116,927	9,251	4,094	28,199	4,582	23,146	3,819	2,744
Linseed	44,975	3,020	884	45,105	1,801	6,496	*	*
Groundnuts	*	*	-	1,955	*	-	-	-
Safflower	11,069	2,707	5,496	30,451	1,034	*	*	*
Sesame	61,347	2,848	*	24,383	2,073	*	*	*
Rapeseed	18,014	14,837	61,036	213,903	5,502	54,445	2,969	9,504
<b>Vegetables</b>	28,500	20,349	24,905	704,502	7,633	20,578	946	1,171
Lettuce	*	*	-	4,323	*	-	-	-
Head cabbage	208	121	*	33,614	98	*	*	*
Ethiopian cabbage	819	498	*	140,753	389	*	*	*
Tomatoes	304	141	*	20,356	135	*	*	*
Green peppers	1,175	742	*	108,472	558	*	*	*
Red peppers	25,929	18,799	23,808	450,470	6,407	19,184	926	1,079
Swiss chard	32	25	-	14,775	25	-	-	-
<b>Root crops</b>	34,211	21,140	17,141	798,490	13,552	60,824	2,939	4,141
Beetroot	184	*	*	22,053	*	*	*	*
Carrot	65	40	*	10,927	*	*	*	*
Onion	5,527	3,874	5,972	109,583	1,250	7,084	*	*
Potatoes	23,070	13,293	*	270,388	9,679	43,571	2,287	*
Garlic	5,054	3,689	*	563,258	2,375	12,376	*	208
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	311	*	*	15,876	*	*	*	*
<b>Other Temporary</b>	22,360	4,731	4,193	385,472	2,860	10,298	*	562
<b>Permanent crops</b>	26,858	13,918		577,369	12,774			
Avocado	19	17		5,953	16			
Bananas	666	*		32,458	*			
Guava	141	87		21,713	87			
Lemons	182	54		23,385	54			
Mangoes	249	107		14,055	94			
Oranges	530	257		44,763	251			
Papayas	*	*		35,751	*			
Pineapples	*	-		-	-			
Chat	3,887	2,874		71,276	2,664			
Coffee	4,943	2,548		128,035	2,503			
Hops / 'Geshe'	14,087	6,599		441,035	5,763			
Enset	*	-		-	-			
Sugar cane	1,165	544		30,550	529			
Other permanent	689	*		59,216	*			

(Table 1.3 cont'd.)

**Amhara Region**

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
<b>All</b>	311,140	107,205	67,576	957,668	651,306	978,489	3,227,270	3,624,654	2,650,902
<b>Cereals</b>	259,240	100,350	58,312	941,540	623,403	863,337	3,139,062	2,644,629	1,953,330
Teff	158,652	67,254	32,333	468,304	264,259	293,771	2,004,644	933,429	433,841
Barley	9,936	1,131	881	87,172	16,046	17,459	1,396,435	351,206	516,488
Wheat	49,102	13,957	12,757	403,196	180,735	290,805	1,316,157	419,447	679,770
Maize	73,556	10,850	10,144	451,196	147,880	249,229	2,055,930	268,561	97,174
Sorghum	15,309	*	1,260	9,061	1,208	1,304	1,147,839	481,040	118,230
Finger millet	17,074	*	936	37,142	13,066	10,313	538,087	176,671	82,045
Oats / 'Aja'	-	-	-	*	*	*	93,907	7,658	9,122
Rice	-	-	-	*	*	*	*	*	*
<b>Pulses</b>	20,097	1,229	1,734	62,970	5,270	19,040	2,070,174	616,661	643,814
Horse / Faba beans	13,359	632	767	43,465	2,899	12,177	1,354,075	212,730	307,417
Field Peas	*	*	*	7,522	976	984	566,194	80,342	90,720
Haricot beans	4,345	139	511	2,606	*	*	317,532	47,242	30,670
Chick peas	*	*	*	-	-	-	470,752	121,435	91,195
Lentils	*	*	*	3,182	318	108	397,230	52,790	45,215
Vetch / Grass peas	*	*	*	*	*	*	315,824	67,633	64,219
Soya beans	-	-	-	-	-	-	*	*	*
Fenugreek	*	*	-	6,854	619	*	178,959	8,978	4,406
Gibto	-	-	-	5,802	270	2,942	125,247	25,398	9,889
<b>Oilseeds</b>	24,195	1,697	1,867	118,647	7,839	55,909	1,449,847	253,363	53,757
Neug	3,356	*	*	6,047	332	1,025	561,991	116,927	21,287
Linseed	2,398	*	*	5,782	*	*	512,783	44,975	16,008
Groundnuts	-	-	-	-	-	-	9,951	*	*
Safflower	4,370	323	*	12,452	899	3,217	160,278	11,057	1,594
Sesame	8,576	*	*	*	*	*	235,307	61,334	7,429
Rapeseed	6,784	*	395	96,782	6,152	51,137	397,910	18,007	6,776
<b>Vegetables</b>	60,056	2,223	2,357	69,859	9,546	21,377	1,174,094	28,354	-
Lettuce	-	-	-	-	-	-	9,802	*	-
Head cabbage	*	*	*	*	*	*	47,402	190	-
Ethiopian cabbage	*	*	*	*	*	*	225,106	819	-
Tomatoes	-	-	-	-	-	-	35,632	299	-
Green peppers	*	*	*	*	*	*	164,285	1,175	-
Red peppers	52,115	2,049	2,102	65,501	9,418	20,628	807,317	25,808	-
Swiss chard	-	-	-	-	-	-	22,938	31	-
<b>Root crops</b>	42,916	1,177	*	58,463	3,472	10,867	1,308,308	33,644	-
Beetroot	*	*	*	-	-	-	35,448	*	-
Carrot	*	*	*	*	*	*	23,603	63	-
Onion	18,783	*	*	19,084	*	*	249,257	5,490	-
Potatoes	4,173	210	*	15,720	1,117	*	488,870	22,554	-
Garlic	20,602	85	278	32,212	*	*	885,297	5,054	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	32,337	303	-
<b>Other Temporary</b>	12,125	*	325	20,184	*	3,306	666,954	22,354	-
<b>Permanent crops</b>							1,066,523	25,648	
Avocado							5,469	13	
Bananas							74,614	618	
Guava							31,462	127	
Lemons							55,199	182	
Mangoes							18,834	126	
Oranges							73,672	508	
Papayas							58,406	*	
Pineapples							*	*	
Chat							127,686	3,887	
Coffee							242,817	3,985	
Hops / 'Geshe'							871,937	14,062	
Enset							*	*	
Sugar cane							72,047	1,165	
Other permanent							112,166	688	



(Table 1.3 Cont'd.)

**Amhara Region**

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
<b>All</b>	381,747	125,819	39,119	390,731	200,003	333,860	28,817	902,815	748,509
<b>Cereals</b>	353,754	123,159	38,852	339,659	188,212	88,887	13,709	877,694	702,301
Teff	8,793	*	*	160,119	80,881	8,959	2,039	515,256	307,779
Barley	*	*	*	38,436	6,888	17,013	2,839	85,986	16,124
Wheat	35,568	8,273	15,709	140,086	62,108	12,838	2,195	305,609	130,586
Maize	322,725	108,376	21,407	50,617	5,290	53,784	3,930	518,611	170,420
Sorghum	*	*	*	41,496	15,480	6,510	*	18,083	6,382
Finger millet	*	*	*	37,048	17,558	*	*	140,110	70,820
Oats / 'Aja'	-	-	-	*	*	*	*	*	*
Rice	-	-	-	-	-	-	-	*	*
<b>Pulses</b>	2,785	*	*	33,985	9,601	24,571	2,584	122,774	17,382
Horse / Faba beans	*	*	*	6,372	687	7,216	495	92,753	11,262
Field Peas	-	-	-	3,526	*	1,689	*	18,342	2,090
Haricot beans	-	-	-	*	*	*	*	6,503	197
Chick peas	*	*	-	5,128	1,751	4,059	866	6,075	1,228
Lentils	-	-	-	*	*	*	*	6,812	*
Vetch / Grass peas	*	*	*	*	*	*	*	2,782	467
Soya beans	*	*	*	-	-	-	-	*	*
Fenugreek	-	-	-	-	-	7,191	304	*	*
Gibto	-	-	-	*	*	*	*	8,336	573
<b>Oilseeds</b>	*	*	*	9,979	652	7,326	345	154,652	13,477
Neug	-	-	-	*	*	1,911	60	18,358	2,001
Linseed	-	-	-	2,345	*	*	*	7,063	330
Groundnuts	-	-	-	-	-	*	*	*	*
Safflower	*	*	*	*	*	*	*	12,665	997
Sesame	*	*	*	*	*	*	*	9,818	*
Rapeseed	*	*	-	1,770	56	3,033	159	119,389	7,132
<b>Vegetables</b>	10,992	*	-	10,377	158	106,666	1,909	71,250	8,210
Lettuce	*	*	-	-	-	3,584	3	*	*
Head cabbage	*	*	-	*	*	14,509	74	8,786	29
Ethiopian cabbage	-	-	-	3,233	*	19,107	70	4,294	*
Tomatoes	1,354	*	-	*	*	13,113	*	*	*
Green peppers	-	-	-	-	-	18,354	*	3,600	*
Red peppers	2,753	*	-	4,969	81	65,598	1,205	61,404	8,101
Swiss chard	*	*	-	*	*	4,887	6	*	*
<b>Root crops</b>	10,389	*	-	16,273	*	106,901	3,198	72,210	3,498
Beetroot	2,153	*	-	*	*	4,572	20	3,624	*
Carrot	2,365	*	-	-	-	5,266	11	2,349	*
Onion	*	*	-	*	*	46,034	1,548	22,938	*
Potatoes	*	*	-	*	*	25,519	1,283	23,864	1,279
Garlic	*	*	-	3,521	*	45,835	271	27,933	*
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	-	*	*	*	*	-	-
<b>Other Temporary</b>	*	*	-	*	*	20,724	122	31,295	*
<b>Permanent crops</b>				14,566	298	199,523	6,950	42,568	2,088
Avocado				-	-	5,292	12	*	13
Bananas				-	-	51,549	521	*	*
Guava				*	*	10,439	60	*	*
Lemons				*	*	16,118	56	*	*
Mangoes				*	*	14,320	177	*	*
Oranges				2,340	*	33,775	327	3,196	*
Papayas				-	-	24,565	*	*	*
Pineapples				-	-	*	*	-	-
Chat				*	*	39,075	1,342	*	*
Coffee	21,015	*	-	*	*	105,792	2,318	*	*
Hops / 'Geshe'				4,837	56	108,664	1,077	27,659	765
Enset				-	-	-	-		
Sugar cane				*	*	37,539	779	2,370	*
Other permanent				-	-	23,463	86	*	*

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
<b>All</b>	641,055	122,807	71,633	312,401	46,969	28,242	10,163	*
<b>Cereals</b>	437,938	102,015	53,223	239,932	34,042	25,983	*	*
Teff	105,860	33,499	14,840	10,458	2,121	*	*	*
Barley	57,687	9,486	*	38,941	*	*	*	*
Wheat	31,167	8,091	*	22,780	2,686	*	*	*
Maize	50,292	36,415	25,194	180,231	16,323	13,464	1,618	*
Sorghum	159,972	7,395	*	26,435	5,388	*	*	*
Finger millet	31,383	*	*	*	*	*	*	*
Oats / 'Aja'	*	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
<b>Pulses</b>	101,500	6,491	*	39,189	5,619	*	*	*
Horse / Faba beans	28,587	4,244	*	31,726	3,506	*	*	-
Field Peas	11,345	*	*	9,229	*	*	*	*
Haricot beans	*	*	-	*	*	-	-	-
Chick peas	41,932	*	*	*	*	-	-	-
Lentils	4,309	-	-	-	-	-	-	-
Vetch / Grass peas	*	*	-	*	*	-	-	-
Soya beans	*	-	-	-	-	-	-	-
Fenugreek	2,475	*	*	*	*	-	-	-
Gibto	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	72,632	1,518	*	20,750	828	*	*	*
Neug	14,087	*	*	*	*	-	-	-
Linseed	7,394	*	*	*	*	-	-	-
Groundnuts	*	-	-	-	-	-	-	-
Safflower	3,621	*	*	*	*	*	*	*
Sesame	46,992	*	-	370	*	*	*	-
Rapeseed	536	354	*	15,979	242	-	-	-
<b>Vegetables</b>	7,737	*	*	102,271	1,334	*	*	*
Lettuce	*	-	-	-	-	-	-	-
Head cabbage	*	*	-	*	*	-	-	-
Ethiopian cabbage	155	141	*	*	*	*	*	*
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	117	49	*	*	*	*	*	*
Red peppers	7,399	*	*	71,534	1,153	*	*	*
Swiss chard	*	*	-	*	*	-	-	-
<b>Root crops</b>	5,491	4,084	*	111,705	2,714	*	*	-
Beetroot	*	*	-	*	*	-	-	-
Carrot	*	-	-	-	-	-	-	-
Onion	51	21	-	4,410	21	-	-	-
Potatoes	4,230	3,037	*	76,572	2,357	*	*	-
Garlic	*	*	*	66,707	337	*	*	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	*	-	-	-	-	-	-	-
<b>Other Temporary</b>	11,764	2,201	*	39,817	743	3,436	*	*
<b>Permanent crops</b>	*	*		40,445	*			
Avocado	-	-		-	-			
Bananas	*	*		*	*			
Guava	-	-		-	-			
Lemons	*	*		*	*			
Mangoes	-	-		-	-			
Oranges	*	*		*	*			
Papayas	*	*		*	*			
Pineapples	*	-		-	-			
Chat	*	*		*	*			
Coffee	487	321		17,064	310			
Hops / 'Geshe'	*	*		33,936	*			
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
<b>All</b>	35,817	7,626	2,744	107,850	58,050	64,074	476,920	632,857	322,516
<b>Cereals</b>	30,218	6,862	1,965	106,742	51,418	46,881	464,442	430,066	233,559
Teff	17,302	4,660	977	50,400	22,021	12,463	245,711	105,562	42,897
Barley	-	-	-	*	*	*	164,848	57,687	78,937
Wheat	*	*	*	*	*	*	102,768	30,742	31,464
Maize	13,466	1,364	680	77,109	17,110	23,455	322,288	43,226	15,110
Sorghum	*	*	*	*	*	*	292,057	159,888	50,138
Finger millet	2,249	*	*	*	*	*	116,201	31,383	12,970
Oats / 'Aja'	-	-	-	-	-	-	15,323	*	*
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	*	*	*	12,406	*	*	243,381	101,341	77,467
Horse / Faba beans	*	*	*	11,887	*	*	161,063	28,587	33,057
Field Peas	-	-	-	-	-	-	68,342	11,345	10,418
Haricot beans	-	-	-	-	-	-	25,204	*	*
Chick peas	*	*	*	-	-	-	107,586	41,816	24,470
Lentils	-	-	-	-	-	-	28,737	4,309	3,203
Vetch / Grass peas	-	-	-	-	-	-	32,164	*	2,903
Soya beans	-	-	-	-	-	-	*	*	*
Fenugreek	-	-	-	*	*	*	21,585	2,475	*
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	*	*	*	8,134	*	*	264,092	72,608	11,490
Neug	-	-	-	*	*	*	69,890	14,087	2,573
Linseed	-	-	-	*	*	*	74,757	7,394	2,656
Groundnuts	-	-	-	-	-	-	*	*	*
Safflower	*	*	*	*	*	*	40,441	3,609	680
Sesame	-	-	-	-	-	-	99,779	46,980	5,508
Rapeseed	*	*	*	4,199	*	*	33,195	536	73
<b>Vegetables</b>	8,030	*	*	*	*	*	200,773	7,731	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	-	-	-	*	*	-	*	*	-
Ethiopian cabbage	-	-	-	*	*	*	29,894	155	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	14,027	117	-
Red peppers	8,030	*	*	*	*	*	161,265	7,393	-
Swiss chard	-	-	-	-	-	-	*	*	-
<b>Root crops</b>	*	*	*	*	*	*	164,368	5,354	-
Beetroot	-	-	-	-	-	-	*	*	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	-	-	-	-	-	-	7,416	51	-
Potatoes	*	*	*	*	*	*	110,865	4,093	-
Garlic	*	*	*	*	*	*	107,003	*	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	*	*	-
<b>Other Temporary</b>	*	*	*	*	*	*	96,758	11,764	-
<b>Permanent crops</b>							81,035	*	
Avocado							-	-	
Bananas							*	*	
Guava							-	-	
Lemons							4,859	*	
Mangoes							-	-	
Oranges							*	*	
Papayas							7,719	*	
Pineapples							*	*	
Chat							*	*	
Coffee							32,597	487	
Hops / 'Gesho'							73,025	*	
Enset							-	-	
Sugar cane							-	-	
Other permanent							3,872	*	

(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
<b>All</b>	36,505	*	2,000	64,937	21,707	21,999	2,447	89,181	48,025
<b>Cereals</b>	33,554	*	1,979	55,009	17,611	9,077	*	87,238	39,834
Teff	*	*	*	10,983	4,282	-	-	31,661	14,567
Barley	-	-	-	*	*	4,318	*	*	*
Wheat	2,972	425	*	*	*	*	*	5,823	1,121
Maize	31,846	*	*	31,358	3,082	*	*	66,051	13,892
Sorghum	*	*	*	13,251	6,286	-	-	8,502	*
Finger millet	-	-	-	6,870	2,385	-	-	*	*
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	*	*	*	*	*	*	*	13,645	1,037
Horse / Faba beans	-	-	-	-	-	*	*	*	*
Field Peas	-	-	-	-	-	*	*	*	*
Haricot beans	-	-	-	*	*	-	-	*	*
Chick peas	*	*	-	*	*	*	*	*	*
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	*	*	*	-	-	*	*	*	*
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	*	*
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	*	*	*	2,048	107	*	*	12,595	*
Neug	-	-	-	-	-	-	-	*	*
Linseed	-	-	-	-	-	*	*	2,916	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	*	*	*	*	*	-	-	*	*
Sesame	*	*	*	*	*	*	*	*	*
Rapeseed	-	-	-	*	*	*	*	*	*
<b>Vegetables</b>	*	*	-	*	*	*	*	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	*	*	-	-
Ethiopian cabbage	-	-	-	*	*	*	*	-	-
Tomatoes	-	-	-	-	-	*	*	*	*
Green peppers	-	-	-	-	-	*	*	-	-
Red peppers	*	*	-	*	*	*	*	*	*
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	*	*	-	*	*	8,341	*	*	*
Beetroot	*	*	-	-	-	-	-	*	*
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	*	*	-	-
Potatoes	*	*	-	*	*	*	*	-	-
Garlic	*	*	-	*	*	*	*	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
<b>Other Temporary</b>	*	*	-	*	*	*	*	*	*
<b>Permanent crops</b>				*	*	*	*	*	*
Avocado				-	-	-	-	-	-
Bananas				-	-	*	*	*	*
Guava				-	-	-	-	-	-
Lemons				-	-	*	*	-	-
Mangoes				-	-	-	-	-	-
Oranges				-	-	-	-	-	-
Papayas				-	-	*	*	*	*
Pineapples				-	-	-	-	-	-
Chat				-	-	*	*	-	-
Coffee	-	-	-	-	-	*	*	*	*
Hops / 'Geshe'				*	*	*	*	*	*
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
<b>All</b>	504,884	172,531	90,865	282,313	61,489	40,913	24,271	*
<b>Cereals</b>	371,534	155,795	83,158	248,912	47,681	39,045	23,266	16,667
Teff	132,821	59,473	33,762	25,785	5,835	20,777	7,989	5,952
Barley	55,152	14,269	5,352	57,095	8,208	*	*	*
Wheat	60,717	28,349	14,592	37,249	*	3,124	*	*
Maize	45,529	30,304	17,848	211,027	21,126	*	*	*
Sorghum	31,330	2,755	*	16,121	*	-	-	-
Finger millet	39,059	20,641	*	5,131	359	*	*	*
Oats / 'Aja'	*	*	-	*	*	-	-	-
Rice	*	-	-	-	-	-	-	-
<b>Pulses</b>	78,010	*	*	45,124	*	*	*	*
Horse / Faba beans	24,525	*	*	34,915	*	-	-	-
Field Peas	8,219	*	-	*	*	-	-	-
Haricot beans	11,664	*	-	4,463	*	-	-	-
Chick peas	14,524	*	-	*	*	-	-	-
Lentils	3,976	*	-	*	*	-	-	-
Vetch / Grass peas	6,285	*	-	*	*	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	*	*	-	*	*	-	-	-
Gibto	8,749	235	*	*	*	*	*	*
<b>Oilseeds</b>	39,554	3,097	*	47,696	1,820	*	*	*
Neug	25,195	632	*	*	*	*	*	*
Linseed	9,337	*	*	*	*	*	*	*
Groundnuts	*	-	-	-	-	-	-	-
Safflower	2,151	*	-	*	*	-	-	-
Sesame	*	*	-	*	*	-	-	-
Rapeseed	2,603	1,694	*	40,187	936	*	*	*
<b>Vegetables</b>	3,008	1,854	*	49,825	664	*	*	*
Lettuce	*	-	-	-	-	-	-	-
Head cabbage	*	*	-	*	*	-	-	-
Ethiopian cabbage	*	*	-	6,073	*	-	-	-
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	*	*	*	12,362	*	-	-	-
Red peppers	2,870	1,766	*	30,950	578	*	*	*
Swiss chard	*	*	-	*	*	-	-	-
<b>Root crops</b>	9,754	4,318	*	125,895	4,151	*	*	*
Beetroot	*	*	-	*	*	-	-	-
Carrot	*	*	-	*	*	-	-	-
Onion	*	*	-	*	*	-	-	-
Potatoes	8,810	3,790	*	59,433	3,733	*	*	*
Garlic	770	497	*	98,487	397	*	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	-	*	*	-	-	-
<b>Other Temporary</b>	952	420	*	47,665	398	-	-	-
<b>Permanent crops</b>	2,072	930		55,037	899			
Avocado	*	-	-	-	-			
Bananas	*	-	-	-	-			
Guava	*	*		*	*			
Lemons	*	*		*	*			
Mangoes	*	*		*	*			
Oranges	*	*		*	*			
Papayas	*	*		*	*			
Pineapples	*	-	-	-	-			
Chat	*	*		*	*			
Coffee	129	*		*	*			
Hops / 'Gescho'	1,615	696		50,498	666			
Enset	-	-		-	-			
Sugar cane	*	-		-	-			
Other permanent	*	*		3,177	*			

(Table 1.3.2 cont'd.)

## South Gondar

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
<b>All</b>	40,596	14,934	5,244	109,431	71,837	66,376	407,048	503,333	421,143
<b>Cereals</b>	32,600	14,077	4,228	107,524	70,771	62,263	399,619	369,993	323,065
Teff	22,523	8,720	2,586	73,358	36,930	25,224	297,726	132,743	80,123
Barley	*	*	*	22,138	*	4,522	230,391	55,152	87,672
Wheat	1,838	*	*	41,073	17,822	13,937	181,627	60,120	89,821
Maize	6,915	709	*	35,587	8,123	16,800	314,988	44,663	18,957
Sorghum	*	*	*	-	-	-	123,501	31,330	11,652
Finger millet	*	*	*	10,210	2,985	*	132,576	39,059	17,779
Oats / 'Aja'	-	-	-	-	-	-	*	*	*
Rice	-	-	-	-	-	-	*	*	*
<b>Pulses</b>	-	-	-	*	*	*	261,006	78,010	83,471
Horse / Faba beans	-	-	-	*	*	*	156,558	24,525	37,851
Field Peas	-	-	-	-	-	-	56,792	8,219	12,326
Haricot beans	-	-	-	-	-	-	41,153	11,664	10,428
Chick peas	-	-	-	-	-	-	55,344	14,524	10,614
Lentils	-	-	-	-	-	-	28,696	3,976	3,540
Vetch / Grass peas	-	-	-	-	-	-	36,109	6,285	6,073
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	4,227	*	*
Gibto	-	-	-	*	*	*	38,962	8,749	2,577
<b>Oilseeds</b>	*	*	*	5,418	*	*	208,750	39,554	14,607
Neug	*	*	*	*	*	*	107,944	25,195	5,594
Linseed	-	-	-	*	*	*	91,969	9,337	4,016
Groundnuts	-	-	-	-	-	-	*	*	*
Safflower	-	-	-	-	-	-	20,983	2,151	244
Sesame	-	-	-	-	-	-	*	*	*
Rapeseed	*	*	*	*	*	*	70,011	2,603	*
<b>Vegetables</b>	12,663	*	*	*	*	*	111,513	3,008	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	-	-	-	-	-	-	*	*	-
Ethiopian cabbage	-	-	-	-	-	-	9,078	*	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	*	*	*	-	-	-	19,239	*	-
Red peppers	*	*	*	*	*	*	81,873	2,870	-
Swiss chard	-	-	-	-	-	-	*	*	-
<b>Root crops</b>	*	*	*	*	*	*	213,405	9,754	-
Beetroot	-	-	-	-	-	-	*	*	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	-	-	-	*	*	-	4,881	*	-
Potatoes	-	-	-	-	-	-	112,988	8,810	-
Garlic	*	*	*	*	*	*	166,289	770	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	*	*	-
<b>Other Temporary</b>	*	*	*	*	*	*	80,639	952	-
<b>Permanent crops</b>							130,344	2,061	
Avocado							*	*	
Bananas							*	*	
Guava							*	*	
Lemons							*	*	
Mangoes							*	*	
Oranges							*	*	
Papayas							*	*	
Pineapples							*	*	
Chat							6,234	*	
Coffee							12,886	126	
Hops / 'Gesho'							123,053	1,612	
Enset							-	-	
Sugar cane							*	*	
Other permanent							4,973	*	

(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
<b>All</b>	8,451	1,552	1,096	51,211	26,623	19,357	516	74,373	43,662
<b>Cereals</b>	6,307	1,541	1,096	50,304	26,562	*	*	72,180	42,667
Teff	*	*	*	30,470	12,013	-	-	45,967	26,095
Barley	-	-	-	10,717	2,384	*	*	4,772	*
Wheat	*	*	*	23,565	8,850	-	-	17,529	6,421
Maize	*	*	*	*	*	*	*	25,376	5,976
Sorghum	-	-	-	*	*	-	-	-	-
Finger millet	-	-	-	*	*	-	-	*	*
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	-	-	-	*	*	*	*	4,729	*
Horse / Faba beans	-	-	-	*	*	-	-	*	*
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	-	-	-	-
Chick peas	-	-	-	-	-	*	*	*	*
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	*	*
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	*	*	-	-	*	*
<b>Oilseeds</b>	-	-	-	*	*	-	-	*	*
Neug	-	-	-	-	-	-	-	*	*
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	*	*	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	*	*
<b>Vegetables</b>	-	-	-	*	*	*	*	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	*	*	-	-
Ethiopian cabbage	-	-	-	*	*	*	*	-	-
Tomatoes	-	-	-	-	-	*	*	-	-
Green peppers	-	-	-	-	-	*	*	*	*
Red peppers	-	-	-	-	-	*	*	*	*
Swiss chard	-	-	-	-	-	*	*	-	-
<b>Root crops</b>	-	-	-	-	-	*	95	1,910	*
Beetroot	-	-	-	-	-	*	*	-	-
Carrot	-	-	-	-	-	*	*	-	-
Onion	-	-	-	-	-	*	*	*	*
Potatoes	-	-	-	-	-	*	*	*	*
Garlic	-	-	-	-	-	*	*	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
<b>Other Temporary</b>	-	-	-	-	-	*	*	*	*
<b>Permanent crops</b>				*	*	13,615	279	*	*
Avocado				-	-	*	*	-	-
Bananas				-	-	*	*	*	*
Guava				-	-	*	*	-	-
Lemons				-	-	*	*	-	-
Mangoes				-	-	*	*	-	-
Oranges				-	-	*	*	-	-
Papayas				-	-	*	*	-	-
Pineapples				-	-	*	*	-	-
Chat				-	-	*	*	*	*
Coffee	*	*	-	-	-	*	*	-	-
Hops / 'Gesho'				*	*	8,257	*	*	*
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
<b>All</b>	256,689	52,315	7,390	219,760	43,528	*	*	*
<b>Cereals</b>	193,679	41,878	7,131	185,237	33,289	*	*	*
Teff	64,416	8,272	823	39,362	5,888	*	*	*
Barley	38,220	10,556	*	81,551	10,429	-	-	-
Wheat	23,819	9,779	*	41,569	3,895	*	*	*
Maize	6,826	4,423	*	108,149	4,398	*	*	*
Sorghum	54,209	7,164	*	35,826	7,034	*	*	*
Finger millet	4,039	824	*	9,578	788	-	-	-
Oats / 'Aja'	2,149	859	-	11,966	859	-	-	-
Rice	-	-	-	-	-	-	-	-
<b>Pulses</b>	51,659	7,767	*	71,694	7,695	*	*	-
Horse / Faba beans	14,791	2,568	*	43,104	2,515	*	*	-
Field Peas	11,753	2,820	*	27,825	2,801	-	-	-
Haricot beans	2,041	*	-	*	*	-	-	-
Chick peas	9,233	681	-	3,828	681	-	-	-
Lentils	10,669	1,299	-	14,091	1,299	-	-	-
Vetch / Grass peas	2,082	*	-	*	*	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	1,090	95	-	10,349	95	-	-	-
Gibto	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	7,319	817	*	19,838	776	-	-	-
Neug	1,206	*	*	2,611	*	-	-	-
Linseed	4,911	518	*	13,961	501	-	-	-
Groundnuts	-	-	-	-	-	-	-	-
Safflower	*	*	*	*	*	-	-	-
Sesame	*	*	-	*	*	-	-	-
Rapeseed	*	*	-	*	*	-	-	-
<b>Vegetables</b>	634	424	-	68,729	424	-	-	-
Lettuce	*	*	-	*	*	-	-	-
Head cabbage	*	7	-	3,105	7	-	-	-
Ethiopian cabbage	140	85	-	28,806	85	-	-	-
Tomatoes	*	*	-	3,872	*	-	-	-
Green peppers	71	57	-	9,186	57	-	-	-
Red peppers	367	262	-	29,973	262	-	-	-
Swiss chard	*	*	-	*	*	-	-	-
<b>Root crops</b>	1,198	704	*	72,479	632	*	*	*
Beetroot	*	*	-	*	*	-	-	-
Carrot	*	*	-	1,876	*	-	-	-
Onion	354	117	*	6,614	48	-	-	-
Potatoes	*	*	-	25,556	*	-	-	-
Garlic	515	302	*	60,857	299	*	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	-	*	*	-	-	-
<b>Other Temporary</b>	*	174	-	25,134	162	-	-	-
<b>Permanent crops</b>	1,337	551	-	47,810	551	-	-	-
Avocado	-	-	-	-	-	-	-	-
Bananas	*	*	-	*	*	-	-	-
Guava	*	*	-	*	*	-	-	-
Lemons	*	*	-	*	*	-	-	-
Mangoes	*	-	-	-	-	-	-	-
Oranges	*	*	-	3,941	*	-	-	-
Papayas	15	*	-	*	*	-	-	-
Pineapples	-	-	-	-	-	-	-	-
Chat	9	*	-	*	*	-	-	-
Coffee	*	*	-	15,136	*	-	-	-
Hops / 'Gescho'	513	302	-	36,609	302	-	-	-
Enset	-	-	-	-	-	-	-	-
Sugar cane	*	*	-	*	*	-	-	-
Other permanent	*	5	-	2,342	5	-	-	-



(Table 1.3.3 cont'd.)

## North Wolo

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
<b>All</b>	9,946	1,469	400	21,163	7,173	6,960	312,273	256,484	173,086
<b>Cereals</b>	8,991	*	304	21,163	7,093	6,800	305,457	193,515	117,188
Teff	*	*	*	6,684	1,346	650	179,063	64,416	27,731
Barley	*	*	*	*	*	*	185,715	38,220	45,682
Wheat	*	*	*	17,853	*	*	123,270	23,767	26,898
Maize	*	*	*	-	-	-	148,559	6,809	2,870
Sorghum	*	*	*	-	-	-	154,309	54,114	9,952
Finger millet	*	*	*	-	-	-	28,161	4,039	1,469
Oats / 'Aja'	-	-	-	-	-	-	23,329	2,149	2,587
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	-	-	-	*	*	*	221,352	51,659	54,052
Horse / Faba beans	-	-	-	*	*	*	133,296	14,791	19,597
Field Peas	-	-	-	*	*	*	95,263	11,753	12,973
Haricot beans	-	-	-	-	-	-	23,056	2,041	*
Chick peas	-	-	-	-	-	-	51,030	9,233	7,914
Lentils	-	-	-	-	-	-	80,602	10,669	9,625
Vetch / Grass peas	-	-	-	-	-	-	17,635	2,082	2,333
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	33,412	1,090	578
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	*	*	*	*	*	*	99,502	7,319	1,845
Neug	*	*	*	-	-	-	21,315	1,206	156
Linseed	*	*	*	*	*	*	79,714	4,911	1,486
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	*	*	*	12,004	*	*
Sesame	-	-	-	-	-	-	*	*	*
Rapeseed	-	-	-	-	-	-	*	*	*
<b>Vegetables</b>	-	-	-	-	-	-	93,006	628	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	-	-	-	-	-	-	5,330	*	-
Ethiopian cabbage	-	-	-	-	-	-	40,837	140	-
Tomatoes	-	-	-	-	-	-	3,547	*	-
Green peppers	-	-	-	-	-	-	12,489	71	-
Red peppers	-	-	-	-	-	-	41,881	367	-
Swiss chard	-	-	-	-	-	-	*	*	-
<b>Root crops</b>	*	*	*	-	-	-	102,091	1,169	-
Beetroot	-	-	-	-	-	-	*	*	-
Carrot	-	-	-	-	-	-	2,517	*	-
Onion	*	*	*	-	-	-	14,860	326	-
Potatoes	-	-	-	-	-	-	30,045	*	-
Garlic	-	-	-	-	-	-	82,759	515	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	*	*	-
<b>Other Temporary</b>	*	*	-	-	-	-	42,482	*	-
<b>Permanent crops</b>							75,056	1,330	
Avocado							-	-	
Bananas							8,906	*	
Guava							*	*	
Lemons							*	*	
Mangoes							*	*	
Oranges							8,487	*	
Papayas							6,217	15	
Pineapples							-	-	
Chat							6,636	9	
Coffee							25,542	*	
Hops / 'Gesho'							59,078	512	
Enset							-	-	
Sugar cane							3,239	*	
Other permanent							4,246	*	

(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
<b>All</b>	5,309	*	*	10,722	1,262	29,278	2,208	13,587	3,573
<b>Cereals</b>	*	*	*	6,970	743	8,149	895	12,208	3,330
Teff	-	-	-	*	*	1,621	294	*	*
Barley	-	-	-	2,362	176	*	*	*	*
Wheat	*	*	*	*	*	*	*	*	*
Maize	*	*	*	*	*	3,836	88	1,333	*
Sorghum	*	*	*	*	*	1,390	*	*	*
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	*	*	-	-
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	-	-	-	3,509	*	4,387	376	*	*
Horse / Faba beans	-	-	-	*	*	*	*	*	*
Field Peas	-	-	-	*	*	*	*	-	-
Haricot beans	-	-	-	-	-	*	*	-	-
Chick peas	-	-	-	*	*	*	*	*	*
Lentils	-	-	-	1,403	*	*	*	-	-
Vetch / Grass peas	-	-	-	*	*	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	*	*	-	-
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	-	-	*	*	*	*
Neug	-	-	-	-	-	*	*	*	*
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	*	*
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
<b>Vegetables</b>	1,303	*	-	*	*	12,208	107	-	-
Lettuce	-	-	-	-	-	*	*	-	-
Head cabbage	*	*	-	-	-	*	*	-	-
Ethiopian cabbage	-	-	-	-	-	*	*	-	-
Tomatoes	*	*	-	-	-	*	*	-	-
Green peppers	-	-	-	-	-	*	*	-	-
Red peppers	-	-	-	*	*	4,663	35	-	-
Swiss chard	*	*	-	*	*	*	*	-	-
<b>Root crops</b>	*	*	-	*	*	11,584	247	*	*
Beetroot	-	-	-	-	-	*	*	-	-
Carrot	*	*	-	-	-	*	*	-	-
Onion	*	*	-	-	-	4,126	*	*	*
Potatoes	-	-	-	-	-	*	*	*	*
Garlic	-	-	-	*	*	5,828	52	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	*	*	-	-
<b>Other Temporary</b>	-	-	-	-	-	1,883	3	-	-
<b>Permanent crops</b>	-	-	-	*	*	19,172	*	*	*
Avocado	-	-	-	-	-	-	-	-	-
Bananas	-	-	-	-	-	7,907	*	*	*
Guava	-	-	-	-	-	*	*	*	*
Lemons	-	-	-	-	-	-	-	-	-
Mangoes	-	-	-	-	-	-	-	-	-
Oranges	-	-	-	-	-	*	*	*	*
Papayas	-	-	-	-	-	*	*	-	-
Pineapples	-	-	-	-	-	-	-	-	-
Chat	-	-	-	-	-	*	*	-	-
Coffee	*	*	-	*	*	12,591	*	*	*
Hops / 'Gescho'	-	-	-	-	-	9,786	*	-	-
Enset	-	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	2,604	*	-	-
Other permanent	-	-	-	-	-	1,332	*	-	-

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
<b>All</b>	424,713	143,678	78,197	370,088	74,413	*	*	*
<b>Cereals</b>	296,612	124,401	75,307	316,029	55,960	*	*	*
Teff	97,985	34,200	14,132	93,167	13,240	*	*	*
Barley	33,641	9,473	556	110,436	9,070	-	-	-
Wheat	83,353	56,001	60,100	106,672	9,094	*	*	*
Maize	11,673	8,394	*	199,032	8,381	-	-	-
Sorghum	64,872	14,955	*	75,789	14,828	-	-	-
Finger millet	1,854	675	-	13,863	675	-	-	-
Oats / 'Aja'	3,169	640	*	10,903	609	-	-	-
Rice	*	*	-	*	*	-	-	-
<b>Pulses</b>	106,261	13,660	*	130,499	13,033	-	-	-
Horse / Faba beans	32,907	8,514	*	97,129	8,309	-	-	-
Field Peas	13,457	832	-	13,228	832	-	-	-
Haricot beans	10,303	698	*	19,822	649	-	-	-
Chick peas	17,699	1,766	-	18,233	1,766	-	-	-
Lentils	18,928	713	*	12,575	676	-	-	-
Vetch / Grass peas	9,422	631	-	11,254	631	-	-	-
Soya beans	*	-	-	-	-	-	-	-
Fenugreek	3,508	*	*	7,298	*	-	-	-
Gibto	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	9,747	936	*	37,058	810	*	*	*
Neug	5,112	246	*	6,105	170	*	*	*
Linseed	3,469	245	*	11,987	241	-	-	-
Groundnuts	*	*	-	*	*	-	-	-
Safflower	*	195	*	6,206	*	-	-	-
Sesame	*	*	-	*	*	-	-	-
Rapeseed	264	148	-	13,095	148	-	-	-
<b>Vegetables</b>	1,268	738	*	103,919	724	-	-	-
Lettuce	*	*	-	*	*	-	-	-
Head cabbage	*	*	-	4,594	*	-	-	-
Ethiopian cabbage	135	70	*	24,517	70	-	-	-
Tomatoes	*	*	-	2,947	*	-	-	-
Green peppers	148	108	*	19,635	107	-	-	-
Red peppers	874	496	*	56,386	483	-	-	-
Swiss chard	20	*	-	6,287	*	-	-	-
<b>Root crops</b>	989	608	*	98,700	560	-	-	-
Beetroot	*	*	-	*	*	-	-	-
Carrot	*	*	*	*	*	-	-	-
Onion	122	57	*	8,195	47	-	-	-
Potatoes	89	60	-	12,598	60	-	-	-
Garlic	660	396	*	79,043	360	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	-	*	*	-	-	-
<b>Other Temporary</b>	5,763	511	*	74,515	503	-	-	-
<b>Permanent crops</b>	4,073	2,825		90,287	2,824			
Avocado	*	-	-	-	-			
Bananas	*	*	*	*	*			
Guava	17	*		5,820	*			
Lemons	6	*		*	*			
Mangoes	5	*		2,505	*			
Oranges	140	*		15,521	*			
Papayas	*	*		*	*			
Pineapples	-	-		-	-			
Chat	2,348	1,972		43,685	1,972			
Coffee	677	436		33,630	436			
Hops / 'Geshe'	421	238		40,708	237			
Enset	-	-		-	-			
Sugar cane	*	*		4,084	*			
Other permanent	*	14		9,165	14			

(Table 1.3.4 cont'd.)

**South Wolo**

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
<b>All</b>	13,166	*	894	112,803	65,900	76,649	509,872	422,135	301,302
<b>Cereals</b>	11,649	*	822	111,755	65,138	73,848	498,740	294,044	185,002
Teff	7,638	*	*	50,000	18,616	13,556	317,058	97,814	20,102
Barley	*	*	*	6,205	349	489	243,727	33,641	40,052
Wheat	*	*	*	100,708	46,052	59,319	292,762	80,957	104,114
Maize	-	-	-	*	*	*	241,616	11,673	6,455
Sorghum	*	*	*	*	*	*	204,413	64,872	10,299
Finger millet	-	-	-	-	-	-	28,947	1,854	482
Oats / 'Aja'	-	-	-	*	*	*	43,473	3,169	3,421
Rice	-	-	-	-	-	-	*	*	*
<b>Pulses</b>	*	*	*	9,907	603	*	401,356	106,261	113,913
Horse / Faba beans	*	*	*	6,774	*	*	268,302	32,907	45,847
Field Peas	-	-	-	-	-	-	112,372	13,457	15,600
Haricot beans	-	-	-	*	*	*	80,480	10,303	7,393
Chick peas	-	-	-	-	-	-	110,104	17,699	15,448
Lentils	-	-	-	*	*	*	133,348	18,928	18,619
Vetch / Grass peas	-	-	-	-	-	-	72,146	9,422	9,440
Soya beans	-	-	-	-	-	-	*	*	*
Fenugreek	-	-	-	*	*	*	49,824	3,508	1,514
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	*	*	*	*	*	*	164,733	9,747	2,388
Neug	-	-	-	*	*	*	79,555	5,112	1,146
Linseed	-	-	-	*	*	*	87,921	3,469	1,121
Groundnuts	-	-	-	-	-	-	*	*	*
Safflower	*	*	*	*	*	*	16,781	*	*
Sesame	-	-	-	-	-	-	*	*	*
Rapeseed	-	-	-	-	-	-	17,128	264	29
<b>Vegetables</b>	*	*	*	*	*	*	150,489	1,268	-
Lettuce	-	-	-	-	-	-	2,057	*	-
Head cabbage	-	-	-	-	-	-	5,107	*	-
Ethiopian cabbage	*	*	*	-	-	-	42,403	135	-
Tomatoes	-	-	-	-	-	-	6,182	*	-
Green peppers	-	-	-	*	*	*	26,450	148	-
Red peppers	*	*	*	*	*	*	76,317	874	-
Swiss chard	-	-	-	-	-	-	9,994	20	-
<b>Root crops</b>	*	*	*	*	*	*	146,727	989	-
Beetroot	-	-	-	-	-	-	6,970	*	-
Carrot	*	*	*	*	*	*	6,168	*	-
Onion	-	-	-	*	*	*	16,196	122	-
Potatoes	-	-	-	-	-	-	20,475	89	-
Garlic	-	-	-	*	*	*	114,676	660	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	*	*	-
<b>Other Temporary</b>	*	*	*	-	-	-	135,638	5,763	-
<b>Permanent crops</b>							140,409	4,063	
Avocado							*	*	
Bananas							11,540	*	
Guava							10,070	17	
Lemons							5,935	6	
Mangoes							3,119	*	
Oranges							19,682	140	
Papayas							*	*	
Pineapples							-	-	
Chat							57,137	2,348	
Coffee							53,896	677	
Hops / 'Geshe'							70,895	421	
Enset							-	-	
Sugar cane							12,362	*	
Other permanent							16,326	*	

(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
<b>All</b>	12,233	2,578	3,167	23,840	4,480	59,204	3,076	44,488	21,810
<b>Cereals</b>	10,807	2,568	3,167	20,649	4,345	14,792	767	42,427	20,064
Teff	*	*	*	2,791	403	*	*	*	*
Barley	-	-	-	2,198	*	*	*	*	*
Wheat	10,299	2,396	2,964	*	*	*	*	39,747	15,921
Maize	-	-	-	*	*	11,172	142	3,764	*
Sorghum	-	-	-	*	*	*	*	-	-
Finger millet	-	-	-	-	-	*	*	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	*	*
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	-	-	-	*	*	*	*	*	*
Horse / Faba beans	-	-	-	*	*	*	*	*	*
Field Peas	-	-	-	*	*	-	-	*	*
Haricot beans	-	-	-	-	-	-	-	-	-
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	*	*
Vetch / Grass peas	-	-	-	-	-	*	*	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	*	*	-	-
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	*	*	*	*	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	*	*	-	-
Sesame	-	-	-	*	*	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
<b>Vegetables</b>	*	*	-	*	*	17,282	*	*	*
Lettuce	*	*	-	-	-	*	*	-	-
Head cabbage	-	-	-	*	*	*	*	2,057	*
Ethiopian cabbage	-	-	-	*	*	*	*	*	*
Tomatoes	-	-	-	*	*	*	*	-	-
Green peppers	-	-	-	-	-	*	*	*	*
Red peppers	-	-	-	*	*	12,242	*	*	*
Swiss chard	-	-	-	-	-	2,058	*	*	*
<b>Root crops</b>	-	-	-	*	*	9,874	93	*	*
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	*	*	*	*
Onion	-	-	-	-	-	4,759	*	*	*
Potatoes	-	-	-	-	-	*	*	*	*
Garlic	-	-	-	*	*	6,705	55	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
<b>Other Temporary</b>	-	-	-	*	*	2,561	*	*	*
<b>Permanent crops</b>	-	-	-	*	*	41,746	1,769	*	*
Avocado	-	-	-	-	-	*	*	-	-
Bananas	-	-	-	-	-	7,071	*	-	-
Guava	-	-	-	-	-	*	*	-	-
Lemons	-	-	-	-	-	*	*	-	-
Mangoes	-	-	-	-	-	*	*	*	*
Oranges	-	-	-	*	*	*	*	-	-
Papayas	-	-	-	-	-	*	*	-	-
Pineapples	-	-	-	-	-	-	-	-	-
Chat	-	-	-	-	-	*	*	-	-
Coffee	-	-	-	*	*	27,916	*	-	-
Hops / 'Gescho'	-	-	-	*	*	11,965	96	*	*
Enset	-	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	*	*	-	-
Other permanent	-	-	-	-	-	7,354	20	*	*

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
<b>All</b>	467,964	175,814	203,750	225,748	51,394	33,852	*	*
<b>Cereals</b>	349,591	147,315	189,210	151,202	30,534	30,131	*	*
Teff	124,491	63,381	66,684	23,603	4,245	*	*	*
Barley	55,887	18,192	*	64,258	10,143	*	*	*
Wheat	80,910	52,083	109,296	44,191	5,701	14,134	2,336	2,188
Maize	6,858	3,054	870	73,322	2,620	*	*	*
Sorghum	81,215	10,420	2,076	28,307	7,819	*	*	*
Finger millet	-	-	-	-	-	-	-	-
Oats / 'Aja'	125	*	*	*	*	-	-	-
Rice	*	*	*	*	*	-	-	-
<b>Pulses</b>	91,443	20,744	2,469	107,144	17,888	7,847	*	*
Horse / Faba beans	40,025	15,585	*	85,730	15,121	*	*	*
Field Peas	10,644	*	*	17,783	891	*	*	*
Haricot beans	6,538	*	*	18,242	*	*	*	*
Chick peas	16,477	*	*	*	*	*	*	*
Lentils	10,933	1,169	334	4,448	*	3,516	355	*
Vetch / Grass peas	5,611	*	*	*	*	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	1,215	162	*	4,321	44	*	*	*
Gibto	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	17,255	2,543	5,052	24,212	831	*	*	*
Neug	1,861	109	*	3,740	45	*	*	*
Linseed	7,400	*	*	2,534	*	*	*	*
Groundnuts	-	-	-	-	-	-	-	-
Safflower	*	*	*	6,074	138	*	*	*
Sesame	5,378	1,306	*	6,115	*	*	*	*
Rapeseed	169	138	*	9,994	55	*	*	*
<b>Vegetables</b>	1,102	665	*	78,743	389	*	*	*
Lettuce	1	*	-	*	*	-	-	-
Head cabbage	9	6	*	4,018	5	-	-	-
Ethiopian cabbage	110	55	*	42,601	52	-	-	-
Tomatoes	*	*	*	1,676	*	*	*	*
Green peppers	*	*	*	11,205	40	-	-	-
Red peppers	668	362	73	30,985	275	-	-	-
Swiss chard	1	*	-	*	*	-	-	-
<b>Root crops</b>	4,210	3,319	6,306	97,289	686	7,127	*	*
Beetroot	12	6	*	3,786	*	-	-	-
Carrot	11	5	*	4,112	4	-	-	-
Onion	3,329	2,662	*	44,089	377	*	*	*
Potatoes	95	77	*	20,832	40	*	*	*
Garlic	752	567	*	64,720	256	*	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	-	*	*	-	-	-
<b>Other Temporary</b>	244	103	*	16,095	65	*	*	*
<b>Permanent crops</b>	4,118	1,125	*	66,204	1,001	*	*	*
Avocado	*	-	-	-	-	-	-	-
Bananas	95	*	*	3,110	*	-	-	-
Guava	*	-	-	-	-	-	-	-
Lemons	*	*	*	3,274	*	-	-	-
Mangoes	*	*	*	*	*	-	-	-
Oranges	77	*	*	6,962	*	-	-	-
Papayas	*	*	*	*	*	-	-	-
Pineapples	-	-	-	-	-	-	-	-
Chat	*	*	*	2,785	*	-	-	-
Coffee	563	108	*	13,246	106	-	-	-
Hops / 'Gescho'	3,036	900	*	55,834	783	-	-	-
Enset	-	-	-	-	-	-	-	-
Sugar cane	148	*	*	*	*	-	-	-
Other permanent	38	14	*	11,181	14	-	-	-

(Table 1.3.5 cont'd.)

**North Shewa**

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
<b>All</b>	83,081	38,960	27,009	82,154	64,853	154,399	389,495	467,420	403,884
<b>Cereals</b>	72,551	36,564	23,212	78,569	62,301	147,882	367,913	349,080	269,574
Teff	55,237	*	*	53,756	24,799	47,377	244,399	124,491	47,170
Barley	*	*	*	11,045	1,372	2,136	170,901	55,887	76,953
Wheat	22,842	*	*	61,062	35,693	97,605	203,063	80,400	129,219
Maize	8,455	*	*	*	*	*	152,179	6,858	2,561
Sorghum	*	*	*	*	*	*	165,432	81,215	13,315
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	*	*	*	4,726	125	172
Rice	-	-	-	*	*	*	*	*	*
<b>Pulses</b>	3,776	*	*	*	*	*	271,491	91,443	131,280
Horse / Faba beans	*	*	*	*	*	*	192,579	40,025	81,869
Field Peas	*	*	*	*	*	*	83,770	10,644	14,767
Haricot beans	1,860	*	*	-	-	-	61,482	6,538	3,808
Chick peas	*	*	*	-	-	-	68,284	16,477	17,637
Lentils	*	*	*	2,674	*	*	92,431	10,933	6,949
Vetch / Grass peas	*	*	*	-	-	-	32,332	5,611	5,655
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	*	*	*	35,783	1,215	596
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	12,759	832	1,079	*	381	*	167,744	17,255	3,030
Neug	*	*	*	*	*	*	43,258	1,861	255
Linseed	2,078	*	*	*	*	*	67,514	7,400	2,324
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	*	*	*	*	*	*	32,764	*	*
Sesame	8,576	*	*	*	*	*	57,020	5,378	183
Rapeseed	*	*	*	*	*	*	15,753	169	*
<b>Vegetables</b>	*	*	*	*	*	*	164,610	1,102	-
Lettuce	-	-	-	-	-	-	2,436	1	-
Head cabbage	*	*	*	-	-	-	7,358	9	-
Ethiopian cabbage	*	*	*	*	*	*	74,487	110	-
Tomatoes	-	-	-	-	-	-	5,957	*	-
Green peppers	*	*	*	*	*	*	28,407	*	-
Red peppers	*	75	67	*	*	*	79,724	668	-
Swiss chard	-	-	-	-	-	-	3,265	1	-
<b>Root crops</b>	21,680	*	*	*	*	*	217,981	4,209	-
Beetroot	*	*	*	-	-	-	8,401	12	-
Carrot	*	*	*	-	-	-	8,658	11	-
Onion	15,760	*	*	*	*	*	131,697	3,329	-
Potatoes	*	*	*	-	-	-	34,083	95	-
Garlic	7,112	*	*	*	*	*	144,713	752	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	3,207	*	-
<b>Other Temporary</b>	*	*	*	*	*	*	44,385	244	-
<b>Permanent crops</b>							175,111	4,086	
Avocado							*	*	
Bananas							18,572	95	
Guava							*	*	
Lemons							15,652	*	
Mangoes							*	*	
Oranges							17,635	77	
Papayas							6,668	*	
Pineapples							-	-	
Chat							12,942	*	
Coffee							50,232	536	
Hops / 'Geshe'							150,952	3,034	
Enset							-	-	
Sugar cane							19,437	148	
Other permanent							26,481	38	

(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
<b>All</b>	4,644	*	*	71,729	31,399	69,054	5,827	74,513	54,747
<b>Cereals</b>	*	*	*	56,326	26,626	12,284	*	66,769	50,628
Teff	-	-	-	24,076	*	*	*	47,605	25,913
Barley	-	-	-	11,473	2,023	-	-	*	*
Wheat	*	*	*	36,002	10,069	*	*	40,045	22,113
Maize	-	-	-	*	*	*	*	*	*
Sorghum	-	-	-	*	2,531	*	*	*	*
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	*	*	-	-	*	*
Rice	-	-	-	-	-	-	-	*	*
<b>Pulses</b>	-	-	-	11,058	*	4,933	913	12,050	2,069
Horse / Faba beans	-	-	-	*	*	*	*	5,955	*
Field Peas	-	-	-	-	-	*	*	*	*
Haricot beans	-	-	-	*	*	-	-	*	*
Chick peas	-	-	-	*	*	*	*	*	*
Lentils	-	-	-	*	*	-	-	*	*
Vetch / Grass peas	-	-	-	*	*	-	-	*	*
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	*	*	*	*
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	*	*	*	*	*	524
Neug	-	-	-	-	-	*	*	*	*
Linseed	-	-	-	1,710	*	-	-	*	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	*	*	-	-	*	*
Sesame	-	-	-	*	*	-	-	*	*
Rapeseed	-	-	-	-	-	-	-	*	*
<b>Vegetables</b>	-	-	-	*	*	28,688	*	2,055	*
Lettuce	-	-	-	-	-	*	*	-	-
Head cabbage	-	-	-	-	-	*	*	-	-
Ethiopian cabbage	-	-	-	*	*	5,631	8	*	*
Tomatoes	-	-	-	*	*	1,672	*	-	-
Green peppers	-	-	-	-	-	*	*	*	*
Red peppers	-	-	-	*	*	17,894	173	*	*
Swiss chard	-	-	-	*	*	*	*	-	-
<b>Root crops</b>	*	*	-	*	*	30,435	*	*	*
Beetroot	-	-	-	-	-	*	*	-	-
Carrot	*	*	-	-	-	*	*	*	*
Onion	-	-	-	*	*	16,822	*	*	*
Potatoes	-	-	-	*	*	*	*	-	-
Garlic	-	-	-	*	*	16,052	46	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	1,940	*	-	-
<b>Other Temporary</b>	-	-	-	-	-	5,716	*	*	*
<b>Permanent crops</b>	-	-	-	4,231	*	46,722	782	*	*
Avocado	-	-	-	-	-	-	-	-	-
Bananas	-	-	-	-	-	8,892	*	-	-
Guava	-	-	-	-	-	-	-	-	-
Lemons	-	-	-	*	*	4,856	5	-	-
Mangoes	-	-	-	*	*	*	*	-	-
Oranges	-	-	-	*	*	6,932	*	-	-
Papayas	-	-	-	-	-	1,748	*	-	-
Pineapples	-	-	-	-	-	-	-	-	-
Chat	-	-	-	*	*	1,809	*	-	-
Coffee	*	*	-	-	-	20,799	191	-	-
Hops / 'Geshe'	-	-	-	*	*	33,455	372	*	*
Enset	-	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	*	*	8,976	*	*	*
Other permanent	-	-	-	-	-	4,857	14	-	-



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
<b>All</b>	522,560	320,919	374,014	269,313	34,868	107,190	71,002	75,577
<b>Cereals</b>	402,075	299,221	347,644	190,885	24,203	99,480	63,044	60,422
Teff	197,697	178,396	198,802	17,241	2,513	72,965	36,144	29,465
Barley	47,322	12,691	9,041	25,396	3,223	24,762	4,297	3,357
Wheat	84,912	65,887	104,196	21,930	2,434	40,486	13,440	*
Maize	48,368	40,683	35,413	161,712	14,674	39,428	9,163	8,485
Sorghum	22,979	1,486	*	10,144	1,281	-	-	-
Finger millet	*	*	-	*	*	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
<b>Pulses</b>	85,848	14,273	15,743	73,284	5,802	30,857	6,823	*
Horse / Faba beans	35,888	9,941	*	67,914	4,636	25,958	4,365	*
Field Peas	11,497	3,630	1,968	5,795	578	9,988	*	*
Haricot beans	*	*	*	*	*	*	*	*
Chick peas	8,578	*	-	*	*	-	-	-
Lentils	1,270	*	-	*	*	-	-	-
Vetch / Grass peas	23,989	*	-	*	*	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	154	*	*	*	*	-	-	-
Gibto	1,824	*	*	*	*	*	*	*
<b>Oilseeds</b>	26,210	3,141	7,328	43,000	1,250	12,409	928	2,261
Neug	15,544	767	144	*	*	*	*	*
Linseed	4,569	*	*	*	*	*	*	*
Groundnuts	-	-	-	-	-	-	-	-
Safflower	*	*	*	*	*	*	*	*
Sesame	*	*	-	*	*	-	-	-
Rapeseed	2,319	1,799	6,241	38,882	851	9,903	565	2,141
<b>Vegetables</b>	1,519	920	*	78,085	674	*	*	*
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	51	26	-	10,152	23	-	-	-
Ethiopian cabbage	86	*	*	*	*	-	-	-
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	219	189	*	32,761	187	-	-	-
Red peppers	1,161	646	*	33,944	*	*	*	*
Swiss chard	*	*	-	*	*	-	-	-
<b>Root crops</b>	4,016	1,504	*	97,883	1,295	*	*	*
Beetroot	44	*	-	10,231	*	-	-	-
Carrot	*	*	-	*	*	-	-	-
Onion	840	388	*	22,303	355	-	-	-
Potatoes	2,642	751	*	19,151	591	*	*	*
Garlic	488	322	*	64,013	312	*	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	-	*	*	-	-	-
<b>Other Temporary</b>	515	315	*	59,161	287	*	*	*
<b>Permanent crops</b>	2,377	1,544		107,177	1,358			
Avocado	-	-	-	-	-			
Bananas	*	*	*	*	*			
Guava	-	-	-	-	-			
Lemons	*	*	*	*	*			
Mangoes	*	*	*	*	*			
Oranges	15	*	*	4,127	*			
Papayas	*	-	-	-	-			
Pineapples	-	-	-	-	-			
Chat	*	*	*	*	*			
Coffee	24	*	*	6,536	*			
Hops / 'Gescho'	2,101	1,417		102,725	1,234			
Enset	-	-	-	-	-			
Sugar cane	*	*	*	*	*			
Other permanent	47	*		*	*			

(Table 1.3.6 cont'd.)

**East Gojjam**

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
<b>All</b>	62,016	29,348	19,990	206,645	185,701	278,447	411,865	508,641	482,324
<b>Cereals</b>	58,774	28,949	19,634	205,336	183,025	267,588	399,220	388,167	375,092
Teff	39,534	23,084	15,349	157,096	116,655	153,987	284,192	197,154	99,555
Barley	*	*	*	26,007	5,002	5,520	175,029	47,302	73,142
Wheat	15,363	3,589	2,240	110,088	46,424	82,842	226,248	82,314	178,029
Maize	12,009	1,969	*	66,254	14,878	25,178	277,349	37,620	15,719
Sorghum	*	*	*	*	*	*	60,955	22,979	8,390
Finger millet	-	-	-	-	-	-	5,912	*	*
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	*	*	*	12,801	1,559	3,454	280,371	85,848	101,292
Horse / Faba beans	1,676	*	*	9,381	865	2,809	231,694	35,888	48,807
Field Peas	-	-	-	2,624	*	*	73,168	11,497	12,768
Haricot beans	-	-	-	*	*	*	14,923	*	*
Chick peas	-	-	-	-	-	-	32,946	8,578	8,238
Lentils	-	-	-	-	-	-	10,501	1,270	748
Vetch / Grass peas	-	-	-	-	-	-	73,964	23,989	26,604
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	*	*	-	*	*	*	6,596	154	*
Gibto	-	-	-	-	-	-	16,367	1,824	*
<b>Oilseeds</b>	*	*	*	15,407	*	4,958	168,663	26,210	5,940
Neug	*	*	*	*	*	*	78,805	15,544	2,612
Linseed	-	-	-	-	-	-	34,733	4,569	1,909
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	*	*	*	*	*	*
Sesame	-	-	-	-	-	-	*	*	*
Rapeseed	*	*	*	11,310	360	4,025	68,884	2,319	260
<b>Vegetables</b>	1,671	*	*	*	*	*	114,388	1,516	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	-	-	-	13,875	48	-
Ethiopian cabbage	-	-	-	*	*	*	*	86	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	*	*	*	*	*	*	41,876	219	-
Red peppers	*	*	*	*	*	*	55,198	1,161	-
Swiss chard	-	-	-	-	-	-	*	*	-
<b>Root crops</b>	*	*	*	4,703	90	*	168,411	4,010	-
Beetroot	*	*	-	-	-	-	11,599	*	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	-	-	-	*	*	*	38,583	836	-
Potatoes	*	*	*	*	*	*	58,510	2,642	-
Garlic	-	-	-	*	*	*	101,572	488	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	*	*	-
<b>Other Temporary</b>	-	-	-	*	*	*	88,803	515	-
<b>Permanent crops</b>							157,556	2,375	
Avocado							-	-	
Bananas							*	*	
Guava							-	-	
Lemons							2,808	*	
Mangoes							*	*	
Oranges							6,318	14	
Papayas							*	*	
Pineapples							-	-	
Chat							6,617	*	
Coffee							9,264	24	
Hops / 'Geshe'							151,710	2,101	
Enset							-	-	
Sugar cane							7,084	*	
Other permanent							10,165	47	

(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
<b>All</b>	54,413	13,919	9,473	78,068	50,967	35,725	2,681	208,128	214,922
<b>Cereals</b>	51,456	13,908	9,473	73,297	50,476	*	1,271	207,688	208,035
Teff	*	*	*	60,734	31,856	*	*	180,221	134,970
Barley	*	*	*	*	*	*	*	35,351	5,398
Wheat	10,405	2,598	6,806	35,786	17,312	*	*	106,849	43,360
Maize	43,174	10,748	2,563	2,424	*	*	*	96,794	24,024
Sorghum	-	-	-	-	-	-	-	*	*
Finger millet	-	-	-	-	-	*	*	*	*
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	-	-	-	3,353	*	*	*	34,401	4,595
Horse / Faba beans	-	-	-	2,944	388	*	*	32,179	3,886
Field Peas	-	-	-	-	-	-	-	5,358	529
Haricot beans	-	-	-	-	-	*	*	*	*
Chick peas	-	-	-	*	*	-	-	*	*
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	*	*	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	*	*
Gibto	-	-	-	-	-	-	-	*	*
<b>Oilseeds</b>	-	-	-	*	*	*	*	27,389	1,727
Neug	-	-	-	*	*	*	*	3,319	*
Linseed	-	-	-	-	-	-	-	*	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	*	*
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	*	*	20,401	830
<b>Vegetables</b>	*	*	-	*	*	13,549	*	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	-	-	*	*	*	*
Ethiopian cabbage	-	-	-	-	-	-	-	*	*
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	3,839	41	*	*
Red peppers	-	-	-	*	*	*	*	*	*
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	*	*	-	*	*	10,620	*	8,070	*
Beetroot	*	*	-	-	-	*	*	*	*
Carrot	*	*	-	-	-	*	*	*	*
Onion	*	*	-	*	*	4,103	*	*	*
Potatoes	-	-	-	-	-	*	*	*	*
Garlic	-	-	-	*	*	*	21	2,313	9
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
<b>Other Temporary</b>	-	-	-	-	-	*	*	*	*
<b>Permanent crops</b>	-	-	-	-	-	9,366	135	9,840	164
Avocado	-	-	-	-	-	-	-	-	-
Bananas	-	-	-	-	-	*	*	-	-
Guava	-	-	-	-	-	-	-	-	-
Lemons	-	-	-	-	-	-	-	-	-
Mangoes	-	-	-	-	-	-	-	-	-
Oranges	-	-	-	-	-	*	*	-	-
Papayas	-	-	-	-	-	-	-	-	-
Pineapples	-	-	-	-	-	-	-	-	-
Chat	-	-	-	-	-	*	*	*	*
Coffee	*	*	-	-	-	*	*	*	*
Hops / 'Gescho'	-	-	-	-	-	6,183	53	9,015	160
Enset	-	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	*	*	-	-
Other permanent	-	-	-	-	-	*	*	-	-

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

**West Gojjam**

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
<b>All</b>	529,756	367,685	380,410	303,157	48,676	216,583	153,953	111,640
<b>Cereals</b>	393,674	324,664	296,673	226,923	36,290	203,026	136,668	92,268
Teff	118,347	98,066	68,534	7,876	*	128,814	56,159	30,855
Barley	32,193	14,012	9,222	21,183	4,913	24,500	7,356	7,567
Wheat	46,820	37,861	*	5,187	555	42,316	15,945	*
Maize	143,282	132,387	154,870	214,763	28,294	64,383	18,923	15,517
Sorghum	*	*	*	*	*	*	*	*
Finger millet	49,206	41,980	26,162	*	*	99,002	38,026	23,135
Oats / 'Aja'	*	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
<b>Pulses</b>	69,186	14,502	18,528	32,201	2,081	45,341	10,545	9,136
Horse / Faba beans	24,030	9,904	10,817	24,735	1,650	39,962	6,912	5,468
Field Peas	8,938	*	*	*	*	*	*	*
Haricot beans	*	165	732	4,142	*	*	*	-
Chick peas	10,849	-	-	-	-	-	-	-
Lentils	*	-	-	-	-	-	-	-
Vetch / Grass peas	12,443	*	*	-	-	*	*	*
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	370	*	*	*	*	-	-	-
Gibto	9,356	670	*	1,845	*	3,864	*	*
<b>Oilseeds</b>	45,801	13,153	45,762	72,218	3,071	41,713	4,616	7,011
Neug	31,046	*	2,808	2,877	*	13,998	*	2,202
Linseed	4,360	*	*	*	*	*	*	*
Groundnuts	-	-	-	-	-	-	-	-
Safflower	*	*	-	*	*	*	*	-
Sesame	*	*	*	-	-	-	-	-
Rapeseed	10,043	8,877	42,565	68,518	2,365	28,594	1,640	*
<b>Vegetables</b>	8,821	7,614	*	154,593	2,353	6,749	188	*
Lettuce	*	-	-	-	-	-	-	-
Head cabbage	40	29	*	5,848	*	*	*	*
Ethiopian cabbage	*	*	*	*	*	-	-	-
Tomatoes	12	*	-	*	*	-	-	-
Green peppers	27	22	-	7,034	*	-	-	-
Red peppers	8,633	7,514	*	145,117	2,301	6,749	187	*
Swiss chard	*	*	-	*	*	-	-	-
<b>Root crops</b>	5,124	3,999	*	125,622	1,751	33,325	1,730	*
Beetroot	*	*	*	*	*	*	*	*
Carrot	*	*	*	*	*	*	*	*
Onion	492	*	*	15,800	*	*	*	*
Potatoes	4,009	3,034	*	25,030	1,139	26,912	1,529	*
Garlic	505	467	*	89,258	306	*	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	*	*	*	*	*	*
<b>Other Temporary</b>	1,767	641	1,035	69,312	347	5,760	*	*
<b>Permanent crops</b>	5,384	3,113		105,680	2,784			
Avocado	9	*		*	*			
Bananas	*	*		*	*			
Guava	*	*		*	*			
Lemons	28	*		7,391	*			
Mangoes	*	*		*	*			
Oranges	*	*		*	*			
Papayas	*	*		*	*			
Pineapples	-	-		-	-			
Chat	183	71		8,454	71			
Coffee	1,826	*		19,340	*			
Hops / 'Geshe'	2,526	1,290		89,041	1,011			
Enset	*	-		-	-			
Sugar cane	*	*		*	*			
Other permanent	88	34		10,291	34			

(Table 1.3.7 cont'd.)

**West Gojjam**

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
<b>All</b>	59,272	11,313	10,855	235,195	153,744	257,915	390,567	464,633	328,997
<b>Cereals</b>	39,427	9,305	7,817	231,779	142,402	196,588	382,480	330,185	268,863
Teff	8,882	1,822	863	70,104	38,074	36,817	242,647	118,112	66,157
Barley	*	*	*	9,272	*	1,643	115,545	32,193	57,765
Wheat	2,916	613	*	47,204	20,748	*	123,646	46,106	94,212
Maize	30,404	6,418	6,479	198,581	78,752	132,874	338,658	80,857	23,839
Sorghum	-	-	-	-	-	-	*	*	*
Finger millet	*	*	*	11,953	3,132	2,924	143,107	49,091	25,766
Oats / 'Aja'	-	-	-	-	-	-	*	*	*
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	5,315	422	580	13,547	1,454	8,812	238,241	69,163	52,580
Horse / Faba beans	2,830	*	*	10,095	*	*	147,539	24,007	23,473
Field Peas	-	-	-	*	*	*	45,839	8,938	6,958
Haricot beans	2,485	*	344	*	*	*	22,183	*	*
Chick peas	-	-	-	-	-	-	34,233	10,849	5,671
Lentils	-	-	-	-	-	-	6,397	*	*
Vetch / Grass peas	-	-	-	*	*	*	48,188	12,443	10,721
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	*	*	*	9,153	370	*
Gibto	-	-	-	*	*	*	43,116	9,356	3,934
<b>Oilseeds</b>	3,928	*	*	65,450	5,039	38,288	216,577	45,795	7,554
Neug	*	*	*	*	*	*	104,240	31,046	5,115
Linseed	-	-	-	*	*	*	35,867	4,360	1,436
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	*	*	*	*	*	*
Sesame	-	-	-	*	*	*	*	*	*
Rapeseed	3,071	*	*	62,474	4,709	37,780	142,130	10,037	948
<b>Vegetables</b>	24,515	904	*	31,244	*	*	234,840	8,692	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	*	*	*	-	-	-	7,007	26	-
Ethiopian cabbage	-	-	-	*	*	*	*	*	-
Tomatoes	-	-	-	-	-	-	4,478	12	-
Green peppers	-	-	-	*	*	-	10,732	27	-
Red peppers	23,334	896	*	30,811	*	*	227,596	8,519	-
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	8,558	74	*	11,978	*	*	190,458	4,742	-
Beetroot	*	*	*	-	-	-	*	*	-
Carrot	-	-	-	*	*	*	*	*	-
Onion	*	*	*	*	*	*	22,092	492	-
Potatoes	*	*	*	4,791	*	*	67,109	3,629	-
Garlic	6,049	14	55	*	*	*	117,314	505	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	*	*	-
<b>Other Temporary</b>	6,346	45	179	6,186	*	*	105,445	1,767	-
<b>Permanent crops</b>							187,114	4,291	
Avocado							*	*	
Bananas							*	*	
Guava							*	*	
Lemons							11,617	28	
Mangoes							4,689	*	
Oranges							*	*	
Papayas							*	*	
Pineapples							-	-	
Chat							17,308	183	
Coffee							24,005	943	
Hops / 'Geshe'							169,880	2,507	
Enset							*	*	
Sugar cane							*	*	
Other permanent							14,608	88	

(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
<b>All</b>	175,651	65,123	14,138	64,471	43,813	39,899	3,935	288,142	251,640
<b>Cereals</b>	171,246	63,489	14,138	54,820	42,687	4,845	1,033	283,284	232,585
Teff	*	*	*	23,002	*	*	*	150,999	72,583
Barley	-	-	-	*	*	*	*	22,017	5,039
Wheat	*	*	*	32,120	*	-	-	73,273	34,028
Maize	170,487	62,425	12,788	3,864	997	2,375	*	236,820	93,707
Sorghum	-	-	-	-	-	-	-	-	-
Finger millet	*	*	*	11,818	3,329	-	-	73,846	27,229
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	*	*	-	*	*	2,072	*	42,977	5,822
Horse / Faba beans	*	*	-	*	*	*	*	32,017	4,182
Field Peas	-	-	-	*	*	-	-	*	*
Haricot beans	-	-	-	-	-	*	*	3,728	89
Chick peas	-	-	-	*	*	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	*	*	-	-	*	*
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	*	*	*	*
Gibto	-	-	-	-	-	*	*	*	*
<b>Oilseeds</b>	*	*	-	*	*	1,575	*	85,341	6,440
Neug	-	-	-	*	*	-	-	10,352	897
Linseed	-	-	-	*	*	*	*	*	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	*	*
Sesame	-	-	-	-	-	-	-	*	*
Rapeseed	*	*	-	*	*	*	*	78,311	5,391
<b>Vegetables</b>	*	*	-	*	*	*	*	38,697	3,995
Lettuce	*	*	-	-	-	*	*	*	*
Head cabbage	*	*	-	-	-	*	*	*	*
Ethiopian cabbage	-	-	-	*	*	*	*	*	*
Tomatoes	*	*	-	-	-	*	*	*	*
Green peppers	-	-	-	-	-	-	-	*	*
Red peppers	*	*	-	*	*	*	*	35,764	3,963
Swiss chard	*	*	-	-	-	*	*	*	*
<b>Root crops</b>	*	*	-	*	*	*	*	25,577	*
Beetroot	*	*	-	-	-	*	*	*	*
Carrot	*	*	-	-	-	*	*	*	*
Onion	-	-	-	-	-	*	*	*	*
Potatoes	*	*	-	*	*	2,914	*	13,341	*
Garlic	-	-	-	-	-	-	-	9,374	23
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	*	*	-	-
<b>Other Temporary</b>	-	-	-	-	-	*	*	13,594	256
<b>Permanent crops</b>				*	*	26,464	*	17,283	*
Avocado				-	-	*	*	*	*
Bananas				-	-	*	*	*	*
Guava				-	-	*	*	*	*
Lemons				*	*	*	*	-	-
Mangoes				-	-	*	*	*	*
Oranges				*	*	*	*	*	*
Papayas				-	-	*	*	*	*
Pineapples				-	-	-	-	-	-
Chat				*	*	*	110	*	*
Coffee	*	*	-	*	*	*	*	*	*
Hops / 'Geshe'				*	*	13,002	161	9,014	314
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
<b>All</b>	98,429	18,433	*	60,456	18,316	*	*	*
<b>Cereals</b>	78,235	15,384	*	57,236	15,282	*	*	*
Teff	21,334	2,407	*	10,633	2,312	*	*	*
Barley	19,257	3,320	-	16,955	3,320	-	-	-
Wheat	8,289	1,331	-	6,227	1,328	*	*	-
Maize	2,684	2,017	*	47,567	2,013	-	-	-
Sorghum	25,679	6,058	-	20,886	6,058	-	-	-
Finger millet	992	251	-	1,666	251	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
<b>Pulses</b>	16,218	2,646	-	17,975	2,646	-	-	-
Horse / Faba beans	8,567	2,089	-	14,296	2,089	-	-	-
Field Peas	2,457	*	-	731	*	-	-	-
Haricot beans	2,188	*	-	1,166	*	-	-	-
Chick peas	1,229	*	-	*	*	-	-	-
Lentils	1,743	*	-	2,381	*	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	35	*	-	*	*	-	-	-
Gibto	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	3,797	274	-	6,131	274	-	-	-
Neug	692	*	-	*	*	-	-	-
Linseed	2,306	138	-	3,205	138	-	-	-
Groundnuts	-	-	-	-	-	-	-	-
Safflower	535	*	-	2,813	*	-	-	-
Sesame	*	-	-	-	-	-	-	-
Rapeseed	*	*	-	*	*	-	-	-
<b>Vegetables</b>	*	*	*	3,867	6	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	*	*	*	*	*	-	-	-
Ethiopian cabbage	*	-	-	-	-	-	-	-
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	3	2	-	1,845	2	-	-	-
Red peppers	*	*	*	*	*	-	-	-
Swiss chard	*	*	-	*	*	-	-	-
<b>Root crops</b>	82	55	*	11,005	51	-	-	-
Beetroot	*	*	-	*	*	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	*	*	*	578	*	-	-	-
Potatoes	35	*	-	3,294	*	-	-	-
Garlic	37	25	-	9,453	25	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	*	-	-	-	-	-	-	-
<b>Other Temporary</b>	56	42	-	11,803	42	-	-	-
<b>Permanent crops</b>	21	*	-	1,756	*	-	-	-
Avocado	-	-	-	-	-	-	-	-
Bananas	9	*	-	690	*	-	-	-
Guava	*	*	-	*	*	-	-	-
Lemons	*	*	-	*	*	-	-	-
Mangoes	-	-	-	-	-	-	-	-
Oranges	-	-	-	-	-	-	-	-
Papayas	*	*	-	*	*	-	-	-
Pineapples	-	-	-	-	-	-	-	-
Chat	-	-	-	-	-	-	-	-
Coffee	*	*	-	*	*	-	-	-
Hops / 'Gescho'	*	*	-	*	*	-	-	-
Enset	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	-	-	-
Other permanent	*	*	-	*	*	-	-	-

(Table 1.3.8 cont'd.)

## Waghamera

[illegible]



(Table 1.3.8 Cont'd.)

## Waghamera

[illegible]

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

**Aw**

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
<b>All</b>	245,941	172,394	117,635	146,244	48,648	84,653	78,584	43,554
<b>Cereals</b>	194,898	156,033	101,945	120,534	39,445	78,657	74,493	40,145
Teff	67,617	48,171	21,536	28,874	9,611	51,366	32,357	17,759
Barley	11,448	8,273	*	36,665	6,934	*	*	*
Wheat	7,644	6,967	5,904	11,757	2,025	5,046	1,415	*
Maize	55,706	51,792	55,143	103,497	17,874	26,606	4,871	4,198
Sorghum	3,049	-	-	-	-	-	-	-
Finger millet	49,346	40,773	18,124	8,379	*	48,950	34,906	16,382
Oats / 'Aja'	*	*	-	*	*	-	-	-
Rice	-	-	-	-	-	-	-	-
<b>Pulses</b>	14,451	3,658	2,098	27,411	1,907	6,444	1,631	*
Horse / Faba beans	3,504	1,804	*	8,684	1,016	4,633	747	*
Field Peas	1,331	*	*	*	*	*	*	*
Haricot beans	*	*	-	*	*	-	-	-
Chick peas	*	*	-	*	*	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch / Grass peas	*	-	-	-	-	-	-	-
Soya beans	*	*	*	-	-	*	*	*
Fenugreek	62	39	-	9,281	39	-	-	-
Gibto	5,467	338	*	2,462	152	*	*	*
<b>Oilseeds</b>	27,203	5,602	8,340	30,180	3,752	7,152	*	881
Neug	21,992	3,420	*	6,471	2,674	*	*	*
Linseed	1,134	*	*	*	*	*	*	*
Groundnuts	*	*	-	*	*	-	-	-
Safflower	*	*	-	*	*	-	-	-
Sesame	*	*	*	*	*	*	*	*
Rapeseed	1,957	1,776	8,060	23,615	854	5,218	214	*
<b>Vegetables</b>	3,837	3,343	*	53,007	857	6,518	*	*
Lettuce	*	*	-	*	*	-	-	-
Head cabbage	*	*	-	*	*	-	-	-
Ethiopian cabbage	46	20	-	7,802	20	-	-	-
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	*	*	-	*	*	-	-	-
Red peppers	3,666	3,248	*	41,338	762	6,518	*	*
Swiss chard	-	-	-	-	-	-	-	-
<b>Root crops</b>	3,266	2,527	682	54,598	1,692	9,889	525	415
Beetroot	*	*	-	*	*	-	-	-
Carrot	*	*	-	*	*	-	-	-
Onion	*	*	*	*	*	*	*	*
Potatoes	2,841	2,243	613	27,921	1,459	8,778	500	388
Garlic	105	81	*	28,523	77	*	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	-	*	*	-	-	-
<b>Other Temporary</b>	239	165	*	30,202	154	*	*	*
<b>Permanent crops</b>	2,048	1,067		47,239	840			
Avocado	*	*		1,754	*			
Bananas	*	*		*	*			
Guava	*	*		*	*			
Lemons	21	11		3,418	11			
Mangoes	*	*		*	*			
Oranges	*	88		8,659	82			
Papayas	*	*		*	*			
Pineapples	-	-		-	-			
Chat	*	*		1,033	*			
Coffee	431	198		12,436	183			
Hops / 'Gescho'	532	193		30,022	193			
Enset	-	-		-	-			
Sugar cane	*	*		11,693	*			
Other permanent	101	37		15,551	37			

(Table 1.3.9 cont'd.)

**Aw**

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
<b>All</b>	6,945	1,133	433	82,268	44,030	73,648	171,363	212,380	120,085
<b>Cereals</b>	4,881	843	322	78,512	41,251	61,478	165,701	161,924	105,852
Teff	1,672	387	*	6,906	*	*	108,139	62,912	37,252
Barley	*	*	*	*	*	*	48,715	11,409	22,612
Wheat	*	*	*	10,476	3,366	4,631	26,019	6,709	13,771
Maize	1,953	*	*	71,085	28,964	50,849	144,051	28,508	8,345
Sorghum	-	-	-	-	-	-	7,498	3,049	737
Finger millet	*	*	*	*	*	*	73,091	49,248	22,935
Oats / 'Aja'	-	-	-	-	-	-	*	*	*
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	*	*	*	*	*	*	66,323	13,932	8,556
Horse / Faba beans	*	*	*	*	*	*	20,609	3,351	3,370
Field Peas	-	-	-	*	*	*	12,455	1,331	1,008
Haricot beans	-	-	-	-	-	-	*	*	*
Chick peas	-	-	-	-	-	-	*	*	*
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	*	*	*
Soya beans	-	-	-	-	-	-	*	*	*
Fenugreek	-	-	-	-	-	-	13,008	62	*
Gibto	-	-	-	*	*	*	26,653	5,467	2,210
<b>Oilseeds</b>	*	*	*	13,826	705	7,456	85,083	27,203	5,677
Neug	-	-	-	-	-	-	42,558	21,992	3,713
Linseed	-	-	-	-	-	-	5,236	1,134	393
Groundnuts	-	-	-	-	-	-	*	*	*
Safflower	-	-	-	-	-	-	*	*	*
Sesame	-	-	-	-	-	-	*	*	*
Rapeseed	*	*	*	13,826	705	7,456	44,395	1,957	*
<b>Vegetables</b>	*	*	*	9,602	*	*	80,786	3,836	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	-	-	-	-	-	-	*	*	-
Ethiopian cabbage	-	-	-	-	-	-	12,525	46	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	*	*	-
Red peppers	*	*	*	9,602	*	*	67,102	3,666	-
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	*	*	*	3,295	*	237	83,936	3,258	-
Beetroot	-	-	-	-	-	-	*	*	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	-	-	-	*	*	*	8,992	*	-
Potatoes	*	*	*	*	*	*	49,649	2,841	-
Garlic	-	-	-	*	*	*	34,936	105	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	10,729	*	-
<b>Other Temporary</b>	-	-	-	*	*	*	41,704	235	-
<b>Permanent crops</b>							88,584	1,993	
Avocado							1,241	*	
Bananas							9,375	*	
Guava							*	*	
Lemons							5,103	21	
Mangoes							*	*	
Oranges							12,078	*	
Papayas							*	*	
Pineapples							-	-	
Chat							4,435	*	
Coffee							25,125	386	
Hops / 'Geshe'							70,533	532	
Enset							-	-	
Sugar cane							17,876	*	
Other permanent							29,538	101	

(Table 1.3.9 Cont'd.)

**Aw**

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
<b>All</b>	82,157	33,561	7,839	16,034	16,105	46,786	6,147	106,461	108,029
<b>Cereals</b>	76,702	32,975	7,593	15,185	16,004	22,287	4,112	102,517	103,530
Teff	*	*	*	6,221	5,341	*	*	47,401	30,097
Barley	*	*	-	*	*	*	*	*	*
Wheat	3,896	935	1,857	*	*	*	*	13,722	4,945
Maize	72,598	27,199	4,511	2,086	*	12,328	1,779	82,660	32,263
Sorghum	-	-	-	-	-	-	-	-	-
Finger millet	*	*	*	9,927	10,039	*	*	44,524	35,013
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	*	*	*	*	*	*	*	6,609	1,397
Horse / Faba beans	*	*	*	*	*	-	-	4,121	615
Field Peas	-	-	-	-	-	*	*	*	*
Haricot beans	-	-	-	-	-	-	-	-	-
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	*	*	*	-	-	-	-	*	*
Fenugreek	-	-	-	-	-	*	*	-	-
Gibto	-	-	-	-	-	-	-	1,521	*
<b>Oilseeds</b>	-	-	-	*	*	*	*	18,318	1,213
Neug	-	-	-	-	-	*	*	1,350	*
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	*	*
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	*	*	942	*	17,227	814
<b>Vegetables</b>	*	*	-	*	*	11,400	*	*	*
Lettuce	-	-	-	-	-	*	*	-	-
Head cabbage	*	*	-	-	-	*	*	*	*
Ethiopian cabbage	-	-	-	-	-	2,932	5	*	*
Tomatoes	-	-	-	-	-	*	*	-	-
Green peppers	-	-	-	-	-	*	*	-	-
Red peppers	-	-	-	*	*	5,796	150	*	*
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	*	*	-	-	-	14,015	602	6,811	*
Beetroot	-	-	-	-	-	-	-	*	*
Carrot	-	-	-	-	-	*	*	-	-
Onion	-	-	-	-	-	*	*	-	-
Potatoes	-	-	-	-	-	*	*	6,280	*
Garlic	-	-	-	-	-	2,068	*	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	-	-	-	-	-	-	-
<b>Other Temporary</b>	*	*	-	-	-	3,056	*	*	*
<b>Permanent crops</b>				*	*	27,961	1,117	4,090	*
Avocado				-	-	*	*	*	*
Bananas				-	-	*	*	*	*
Guava				-	-	*	*	-	-
Lemons				*	*	1,898	*	-	-
Mangoes				-	-	*	*	*	*
Oranges				-	-	*	*	1,558	*
Papayas				-	-	*	*	*	*
Pineapples				-	-	-	-	-	-
Chat				-	-	*	*	-	-
Coffee	*	*	-	-	-	16,322	253	2,551	*
Hops / 'Gescho'				*	*	19,180	204	*	*
Enset				-	-	-	-	-	-
Sugar cane				-	-	10,980	*	*	*
Other permanent				-	-	6,170	*	*	*

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

**Oromia Zone**

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
<b>All</b>	58,482	24,090	*	56,062	24,041	*	*	*
<b>Cereals</b>	49,551	19,576	*	54,084	19,529	*	*	*
Teff	8,920	3,108	*	12,226	3,087	*	*	*
Barley	457	159	-	2,450	159	-	-	-
Wheat	*	*	-	*	*	-	-	-
Maize	5,719	3,057	-	43,517	3,057	-	-	-
Sorghum	34,157	13,009	-	31,515	12,983	*	*	-
Finger millet	208	202	-	2,426	202	-	-	-
Oats / 'Aja'	*	*	-	*	*	-	-	-
Rice	-	-	-	-	-	-	-	-
<b>Pulses</b>	2,786	1,676	-	17,072	1,676	-	-	-
Horse / Faba beans	*	*	-	*	*	-	-	-
Field Peas	*	*	-	*	*	-	-	-
Haricot beans	1,498	777	-	13,698	777	-	-	-
Chick peas	422	295	-	2,188	295	-	-	-
Lentils	*	*	-	559	*	-	-	-
Vetch / Grass peas	*	*	-	*	*	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	*	*	-	*	*	-	-	-
Gibto	*	-	-	-	-	-	-	-
<b>Oilseeds</b>	3,876	1,634	-	17,528	1,634	-	-	-
Neug	191	*	-	1,552	*	-	-	-
Linseed	94	*	-	2,272	*	-	-	-
Groundnuts	*	*	-	855	*	-	-	-
Safflower	378	*	-	5,438	*	-	-	-
Sesame	3,045	1,189	-	11,059	1,189	-	-	-
Rapeseed	111	*	-	*	*	-	-	-
<b>Vegetables</b>	554	209	-	11,461	209	-	-	-
Lettuce	*	*	-	*	*	-	-	-
Head cabbage	*	-	-	-	-	-	-	-
Ethiopian cabbage	*	*	-	*	*	-	-	-
Tomatoes	*	*	-	1,017	*	-	-	-
Green peppers	*	*	-	1,454	*	-	-	-
Red peppers	281	163	-	8,890	163	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
<b>Root crops</b>	*	*	-	3,314	*	-	-	-
Beetroot	*	*	-	*	*	-	-	-
Carrot	*	*	-	*	*	-	-	-
Onion	*	*	-	*	*	-	-	-
Potatoes	-	-	-	-	-	-	-	-
Garlic	*	*	-	*	*	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	-	*	*	-	-	-
<b>Other Temporary</b>	197	159	-	11,767	159	-	-	-
<b>Permanent crops</b>	1,435	813	-	15,733	813	-	-	-
Avocado	*	*	-	*	*	-	-	-
Bananas	18	8	-	1,783	8	-	-	-
Guava	38	*	-	3,667	*	-	-	-
Lemons	*	12	-	3,099	12	-	-	-
Mangoes	*	*	-	1,589	*	-	-	-
Oranges	21	*	-	1,661	*	-	-	-
Papayas	25	15	-	6,024	15	-	-	-
Pineapples	-	-	-	-	-	-	-	-
Chat	*	*	-	7,569	*	-	-	-
Coffee	265	*	-	4,627	*	-	-	-
Hops / 'Geshe'	*	*	-	*	*	-	-	-
Enset	-	-	-	-	-	-	-	-
Sugar cane	*	*	-	562	*	-	-	-
Other permanent	*	*	-	*	*	-	-	-

(Table 1.3.10 cont'd.)

**Oromia Zone**

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
<b>All</b>	*	*	-	-	-	-	75,431	58,425	13,651
<b>Cereals</b>	-	-	-	-	-	-	74,465	49,495	12,213
Teff	-	-	-	-	-	-	26,827	8,920	3,762
Barley	-	-	-	-	-	-	5,813	457	598
Wheat	-	-	-	-	-	-	*	*	*
Maize	-	-	-	-	-	-	57,802	5,662	2,033
Sorghum	-	-	-	-	-	-	62,106	34,157	5,660
Finger millet	-	-	-	-	-	-	2,861	208	44
Oats / 'Aja'	-	-	-	-	-	-	*	*	*
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	-	-	-	-	-	-	26,594	2,786	1,136
Horse / Faba beans	-	-	-	-	-	-	*	*	*
Field Peas	-	-	-	-	-	-	*	*	*
Haricot beans	-	-	-	-	-	-	21,519	1,498	375
Chick peas	-	-	-	-	-	-	2,974	422	155
Lentils	-	-	-	-	-	-	1,289	*	*
Vetch / Grass peas	-	-	-	-	-	-	*	*	*
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	*	*	*
Gibto	-	-	-	-	-	-	*	*	-
<b>Oilseeds</b>	-	-	-	-	-	-	35,687	3,876	301
Neug	-	-	-	-	-	-	3,417	191	14
Linseed	-	-	-	-	-	-	5,364	94	18
Groundnuts	-	-	-	-	-	-	1,277	*	*
Safflower	-	-	-	-	-	-	9,312	378	32
Sesame	-	-	-	-	-	-	24,680	3,045	220
Rapeseed	-	-	-	-	-	-	4,538	111	6
<b>Vegetables</b>	-	-	-	-	-	-	19,057	554	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	-	-	-	-	-	-	*	*	-
Ethiopian cabbage	-	-	-	-	-	-	*	*	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	*	*	-
Red peppers	-	-	-	-	-	-	14,551	281	-
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	*	*	-	-	-	-	5,700	*	-
Beetroot	-	-	-	-	-	-	*	*	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	*	*	-	-	-	-	*	*	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	*	*	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	*	*	-
<b>Other Temporary</b>	-	-	-	-	-	-	14,807	197	-
<b>Permanent crops</b>	-	-	-	-	-	-	27,258	1,435	-
Avocado	-	-	-	-	-	-	*	*	-
Bananas	-	-	-	-	-	-	2,486	17	-
Guava	-	-	-	-	-	-	5,998	38	-
Lemons	-	-	-	-	-	-	4,835	*	-
Mangoes	-	-	-	-	-	-	2,150	*	-
Oranges	-	-	-	-	-	-	2,673	21	-
Papayas	-	-	-	-	-	-	9,944	25	-
Pineapples	-	-	-	-	-	-	-	-	-
Chat	-	-	-	-	-	-	13,996	*	-
Coffee	-	-	-	-	-	-	9,015	265	-
Hops / 'Geshe'	-	-	-	-	-	-	*	*	-
Enset	-	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	-	*	*	-
Other permanent	-	-	-	-	-	-	1,835	*	-

(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
<b>All</b>	811	*	*	7,295	*	7,677	1,062	*	*
<b>Cereals</b>	*	*	*	*	*	2,348	442	*	*
Teff	-	-	-	*	*	*	*	*	*
Barley	-	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-	-
Maize	*	*	*	*	*	2,073	167	*	*
Sorghum	-	-	-	*	*	614	*	*	*
Finger millet	-	-	-	*	*	-	-	*	*
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	-	-	-	*	*	*	*	*	*
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	*	*	*	*	*	*
Haricot beans	-	-	-	*	*	*	*	*	*
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	*	*	721	*	*	*
Neug	-	-	-	-	-	-	-	*	*
Linseed	-	-	-	*	*	*	*	*	*
Groundnuts	-	-	-	-	-	*	*	-	-
Safflower	-	-	-	*	*	-	-	-	-
Sesame	-	-	-	*	*	*	*	*	*
Rapeseed	-	-	-	*	*	-	-	-	-
<b>Vegetables</b>	-	-	-	*	*	*	*	-	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	-	-	-	-	-	*	*	-	-
Green peppers	-	-	-	-	-	*	*	-	-
Red peppers	-	-	-	*	*	*	*	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	-	-	-	*	*	*	*	-	-
Beetroot	-	-	-	*	*	*	*	-	-
Carrot	-	-	-	-	-	*	*	-	-
Onion	-	-	-	*	*	*	*	-	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	*	*	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	*	*	*	*	-	-
<b>Other Temporary</b>	-	-	-	-	-	-	-	*	*
<b>Permanent crops</b>	-	-	-	*	*	5,131	265	*	*
Avocado	-	-	-	-	-	*	*	*	*
Bananas	-	-	-	-	-	1,625	7	*	*
Guava	-	-	-	*	*	1,368	16	*	*
Lemons	-	-	-	-	-	*	*	*	*
Mangoes	-	-	-	-	-	*	*	*	*
Oranges	-	-	-	-	-	1,056	*	-	-
Papayas	-	-	-	-	-	780	*	-	-
Pineapples	-	-	-	-	-	-	-	-	-
Chat	-	-	-	*	*	2,377	117	*	*
Coffee	-	-	-	-	-	*	*	*	*
Hops / 'Geshe'	-	-	-	-	-	-	-	-	-
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
<b>All</b>	5,428,100	2,590,342	2,162,643	2,869,629	590,251	1,403,568	1,084,828	834,896
<b>Cereals</b>	3,997,499	2,212,760	1,931,779	1,869,715	364,345	1,333,484	990,793	738,690
Teff	1,082,756	699,389	618,640	136,751	22,663	618,336	299,075	184,649
Barley	477,231	244,972	177,307	296,489	35,815	390,450	152,375	113,477
Wheat	809,196	636,891	684,281	177,925	23,463	620,674	376,423	313,359
Maize	948,732	488,526	388,868	1,546,347	205,175	417,376	127,938	104,146
Sorghum	563,245	107,798	46,743	419,467	71,128	52,054	9,800	9,066
Finger millet	92,254	25,557	10,554	35,242	4,714	72,520	17,849	9,838
Oats / 'Aja'	23,921	9,587	5,356	24,731	1,375	45,825	7,326	4,151
Rice	164	41	30	*	*	*	*	*
<b>Pulses</b>	519,020	116,062	70,455	743,688	56,243	232,987	44,570	39,703
Horse / Faba beans	173,037	49,186	18,347	314,219	27,415	110,495	18,509	14,439
Field Peas	90,389	23,722	15,829	68,026	6,332	61,001	14,427	11,789
Haricot beans	104,104	26,543	28,733	355,438	14,628	65,912	7,123	10,283
Chick peas	57,648	2,878	*	20,647	2,071	*	473	*
Lentils	33,724	8,362	3,518	32,229	*	33,286	2,964	1,792
Vetch / Grass peas	45,177	1,744	*	14,763	1,169	*	*	*
Soya beans	4,322	1,252	783	4,523	*	1,231	*	181
Fenugreek	10,547	2,375	1,279	91,012	1,458	9,444	534	756
Gibto	*	*	-	*	*	-	-	-
<b>Oilseeds</b>	349,207	36,137	20,156	248,636	15,945	69,870	13,807	9,534
Neug	137,199	5,238	317	17,207	3,766	3,748	1,314	180
Linseed	115,248	10,927	4,089	56,101	3,185	34,830	7,261	3,105
Groundnuts	28,529	6,900	*	36,710	4,370	7,196	*	*
Safflower	1,192	337	*	9,819	*	*	*	*
Sesame	55,679	5,144	1,828	17,949	1,486	5,475	856	617
Rapeseed	11,360	7,593	10,763	120,541	3,046	21,556	3,148	4,183
<b>Vegetables</b>	37,083	23,817	20,149	1,175,745	12,149	50,941	5,074	5,497
Lettuce	342	316	*	16,882	50	*	*	*
Head cabbage	1,215	745	688	81,375	334	3,882	*	*
Ethiopian cabbage	8,184	5,660	*	713,063	5,543	7,076	94	*
Tomatoes	*	*	*	26,462	399	*	*	*
Green peppers	4,324	2,343	*	374,754	1,796	4,255	207	101
Red peppers	18,636	10,666	7,381	240,013	4,009	31,508	*	4,076
Swiss chard	29	19	*	10,829	18	-	-	-
<b>Root crops</b>	84,234	56,329	51,183	984,747	22,797	137,717	22,421	28,249
Beetroot	1,255	924	*	107,657	379	3,224	*	*
Carrot	516	456	*	32,307	129	*	*	*
Onion	13,280	9,000	11,573	175,449	2,827	25,829	*	3,693
Potatoes	34,947	29,953	33,169	186,278	6,304	93,658	16,970	22,682
Garlic	3,358	1,939	718	339,070	1,550	12,948	*	367
Taro 'Godere'	8,409	5,601	*	217,439	5,194	*	*	*
Sweet potatoes	22,468	8,456	3,713	217,885	6,414	7,582	*	559
<b>Other Temporary</b>	31,473	12,366	4,600	785,556	9,579	24,079	*	2,222
<b>Permanent crops</b>	409,584	132,870		1,614,027	109,193			
Avocado	1,020	455		53,268	453			
Bananas	9,048	3,154		284,976	2,931			
Guava	923	338		57,502	258			
Lemons	127	73		14,149	36			
Mangoes	3,011	882		85,857	867			
Oranges	914	213		51,289	213			
Papayas	1,192	442		94,947	384			
Pineapples	*	*		*	*			
Chat	106,276	50,281		572,513	29,697			
Coffee	194,382	24,803		410,467	22,476			
Hops / 'Geshe'	5,430	2,602		264,628	2,550			
Enset	79,472	47,277		865,989	47,169			
Sugar cane	5,861	1,478		139,317	1,393			
Other permanent	1,913	874		181,738	766			



(Table 1.4 cont'd.)

**Oromia Region**

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
<b>All</b>	207,305	74,375	82,941	1,036,200	840,888	1,244,807	4,904,437	5,239,991	4,391,626
<b>Cereals</b>	182,187	57,818	52,261	1,001,247	799,804	1,140,829	4,630,289	3,826,588	3,684,698
Teff	45,479	16,043	9,126	452,329	361,608	424,864	2,075,099	1,079,394	612,671
Barley	12,894	*	*	143,866	53,317	61,866	1,481,935	474,648	867,934
Wheat	34,375	8,735	6,395	469,084	228,269	364,528	1,766,150	782,679	1,589,148
Maize	97,610	16,399	22,290	410,433	139,014	262,431	3,363,862	812,269	393,114
Sorghum	49,278	11,728	12,361	67,718	15,143	25,317	1,913,558	561,343	154,694
Finger millet	*	*	*	4,849	1,555	603	435,948	92,175	29,849
Oats / 'Aja'	*	*	*	11,087	883	1,203	193,720	23,921	37,199
Rice	164	9	*	*	14	17	6,326	158	88
<b>Pulses</b>	29,981	2,567	*	93,208	12,682	23,905	2,481,771	515,449	577,150
Horse / Faba beans	*	99	73	23,947	3,163	3,835	1,149,274	172,701	250,963
Field Peas	*	*	*	14,831	2,875	3,888	493,685	90,381	114,119
Haricot beans	18,887	*	*	41,870	3,663	13,202	1,096,947	102,990	72,855
Chick peas	*	*	*	*	*	*	215,158	56,836	56,420
Lentils	4,920	*	*	14,727	1,860	1,537	293,358	32,633	25,553
Vetch / Grass peas	*	*	*	*	*	*	186,250	45,177	47,667
Soya beans	870	124	66	2,521	505	536	30,158	4,117	3,419
Fenugreek	3,165	*	*	5,640	305	331	232,233	10,541	6,002
Gibto	-	-	-	-	-	-	1,682	*	*
<b>Oilseeds</b>	12,976	3,040	1,664	31,093	3,345	8,958	1,348,746	345,596	129,778
Neug	*	*	*	*	155	136	411,334	137,199	25,828
Linseed	*	*	*	7,794	391	887	551,779	113,487	73,764
Groundnuts	7,594	*	*	2,088	52	115	165,765	28,327	17,352
Safflower	-	-	-	*	*	*	30,342	1,192	*
Sesame	3,442	1,529	483	3,108	1,272	728	203,593	55,117	7,493
Rapeseed	*	*	*	15,589	1,342	6,538	223,100	10,273	3,359
<b>Vegetables</b>	13,049	1,884	*	32,661	*	*	1,839,421	36,823	-
Lettuce	*	*	*	*	*	*	19,044	*	-
Head cabbage	*	*	*	7,054	101	253	123,173	1,139	-
Ethiopian cabbage	*	*	*	2,002	*	*	969,393	8,174	-
Tomatoes	*	*	*	*	*	*	55,429	*	-
Green peppers	*	*	*	4,828	*	*	573,394	4,324	-
Red peppers	6,819	*	*	14,084	1,506	2,415	524,576	18,636	-
Swiss chard	-	-	-	*	*	*	14,138	27	-
<b>Root crops</b>	29,251	1,327	1,545	86,723	9,783	21,388	1,811,757	82,899	-
Beetroot	*	*	*	*	*	*	154,829	867	-
Carrot	*	*	*	*	*	*	49,903	*	-
Onion	*	*	*	18,606	2,064	7,791	329,208	12,556	-
Potatoes	9,156	*	*	49,482	6,148	9,829	427,218	34,904	-
Garlic	2,828	*	*	8,383	102	330	500,462	3,353	-
Taro 'Godere'	-	-	-	-	-	-	337,477	8,409	-
Sweet potatoes	14,132	*	*	19,395	913	2,399	561,116	22,453	-
<b>Other Temporary</b>	8,177	*	662	12,973	531	1,716	1,265,977	31,413	-
<b>Permanent crops</b>							2,786,266	401,223	
Avocado							93,696	904	
Bananas							659,269	9,042	
Guava							168,525	922	
Lemons							38,903	127	
Mangoes							279,295	2,997	
Oranges							158,170	913	
Papayas							195,466	1,105	
Pineapples							4,875	*	
Chat							1,266,392	106,207	
Coffee							1,181,796	186,402	
Hops / 'Gescho'							497,586	5,430	
Enset							1,213,929	79,423	
Sugar cane							294,829	5,858	
Other permanent							368,799	1,877	

(Table 1.4 Cont'd.)

**Oromia Region**

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
<b>All</b>	579,056	188,065	100,035	1,778,446	1,327,492	243,210	40,312	867,591	586,415
<b>Cereals</b>	437,651	170,911	94,009	1,684,254	1,281,766	90,210	17,938	831,759	546,214
Teff	9,930	3,362	1,506	1,058,820	562,714	4,584	1,114	134,161	68,989
Barley	8,410	2,583	6,485	391,412	145,829	9,674	1,620	173,260	83,242
Wheat	64,835	26,517	49,838	913,436	502,098	5,944	*	292,072	202,487
Maize	360,929	136,463	35,681	113,122	31,672	63,461	12,381	498,186	174,550
Sorghum	*	*	*	75,135	22,101	21,213	1,811	46,889	10,939
Finger millet	*	*	*	38,856	9,886	*	*	8,201	*
Oats / 'Aja'	-	-	-	57,124	7,466	*	*	25,821	5,045
Rice	*	*	*	-	-	-	-	*	*
<b>Pulses</b>	17,608	3,571	3,608	57,682	15,590	23,359	1,292	96,237	12,246
Horse / Faba beans	*	*	*	13,816	1,982	2,560	*	17,376	1,943
Field Peas	*	*	*	18,853	6,405	*	179	8,310	1,630
Haricot beans	8,850	1,114	1,340	6,858	*	12,661	322	55,701	4,437
Chick peas	*	*	*	1,653	580	*	*	5,217	368
Lentils	*	*	*	18,805	4,593	*	*	*	*
Vetch / Grass peas	-	-	-	*	*	*	*	*	*
Soya beans	1,499	204	78	*	*	-	-	984	152
Fenugreek	*	*	*	*	*	3,857	65	7,183	*
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	13,625	3,612	2,417	54,934	5,621	4,879	322	38,730	6,346
Neug	-	-	-	*	*	*	*	1,887	397
Linseed	4,290	*	1,050	49,799	5,289	*	*	18,069	3,751
Groundnuts	*	*	*	*	*	*	*	5,854	597
Safflower	-	-	-	*	*	-	-	-	-
Sesame	*	*	*	*	*	*	*	*	*
Rapeseed	*	*	*	2,136	*	-	-	12,456	1,523
<b>Vegetables</b>	20,459	259	-	18,877	*	46,556	*	31,537	3,128
Lettuce	8,944	*	-	-	-	*	*	6,253	*
Head cabbage	11,755	76	-	*	*	7,456	*	7,629	*
Ethiopian cabbage	*	*	-	3,961	45	8,160	70	1,728	*
Tomatoes	5,187	*	-	*	*	13,735	*	3,868	*
Green peppers	*	*	-	3,241	*	15,140	*	5,805	*
Red peppers	*	*	-	3,881	*	11,429	*	12,604	*
Swiss chard	*	*	-	-	-	*	*	*	*
<b>Root crops</b>	37,898	*	-	60,908	14,255	66,570	4,143	58,676	6,586
Beetroot	24,120	*	-	*	*	9,966	*	9,603	*
Carrot	11,922	*	-	-	-	2,631	*	6,479	*
Onion	*	*	-	*	*	22,225	*	10,720	*
Potatoes	*	*	-	43,714	*	11,715	724	30,779	*
Garlic	*	*	-	*	*	14,248	294	2,732	*
Taro 'Godere'	-	-	-	*	*	*	*	-	-
Sweet potatoes	*	*	-	*	*	19,479	660	13,355	676
<b>Other Temporary</b>	3,911	*	-	10,927	597	17,736	*	22,188	*
<b>Permanent crops</b>				65,299	6,334	151,524	11,699	110,288	10,143
Avocado				*	*	3,398	*	*	*
Bananas				2,592	*	45,985	835	12,103	215
Guava				-	-	9,468	118	*	*
Lemons				-	-	3,633	*	-	-
Mangoes				2,002	4	6,349	37	2,645	*
Oranges				*	*	10,127	57	-	-
Papayas				1,880	*	14,382	143	*	*
Pineapples				-	-	-	-	-	-
Chat				40,288	4,980	74,149	5,539	70,178	5,833
Coffee	75,200	7,980	-	11,922	845	58,348	2,203	31,727	3,588
Hops / 'Gescho'				4,121	*	23,511	340	2,520	12
Enset				6,102	*	6,734	*		
Sugar cane				1,835	*	33,238	1,905	2,250	*
Other permanent				2,967	*	11,837	69	7,920	80

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

**West Welega**

Crop type	All	All Fertilizers		Natural		DAP		
	Crop Area	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
<b>All</b>	251,779	79,654	38,338	170,017	45,240	44,523	17,629	8,591
<b>Cereals</b>	164,801	69,197	37,894	139,762	34,989	43,872	17,489	8,481
Teff	21,761	12,653	5,518	3,789	*	26,983	10,105	4,493
Barley	2,397	547	*	13,728	477	*	*	*
Wheat	2,909	1,164	*	7,890	415	4,542	*	*
Maize	63,764	41,343	28,611	131,628	28,507	4,649	810	827
Sorghum	45,112	4,243	*	24,258	4,207	*	*	*
Finger millet	28,817	9,240	3,246	5,291	954	19,094	5,833	2,735
Oats / 'Aja'	*	*	-	*	*	-	-	-
Rice	*	-	-	-	-	-	-	-
<b>Pulses</b>	12,988	2,799	*	64,710	2,773	*	*	*
Horse / Faba beans	3,440	900	*	21,048	894	*	*	*
Field Peas	2,311	230	-	6,951	230	-	-	-
Haricot beans	6,623	1,567	*	50,202	1,549	*	*	*
Chick peas	*	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch / Grass peas	76	*	-	*	*	-	-	-
Soya beans	*	*	-	*	*	-	-	-
Fenugreek	*	*	-	*	*	-	-	-
Gibto	*	*	-	*	*	-	-	-
<b>Oilseeds</b>	23,519	1,076	*	18,768	1,054	-	-	-
Neug	16,574	*	-	*	*	-	-	-
Linseed	249	*	-	*	*	-	-	-
Groundnuts	129	*	-	*	*	-	-	-
Safflower	*	*	-	*	*	-	-	-
Sesame	5,597	*	-	*	*	-	-	-
Rapeseed	961	546	*	12,349	524	-	-	-
<b>Vegetables</b>	1,791	1,102	*	73,770	1,080	*	*	*
Lettuce	*	*	-	*	*	-	-	-
Head cabbage	*	*	-	*	*	-	-	-
Ethiopian cabbage	83	*	-	6,087	*	-	-	-
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	*	*	-	*	*	-	-	-
Red peppers	1,454	846	*	59,136	825	*	*	*
Swiss chard	-	-	-	-	-	-	-	-
<b>Root crops</b>	2,419	890	*	46,013	866	*	*	*
Beetroot	*	*	-	*	*	-	-	-
Carrot	*	*	-	*	*	-	-	-
Onion	*	*	-	*	*	-	-	-
Potatoes	32	19	-	2,356	19	-	-	-
Garlic	21	13	-	7,690	13	-	-	-
Taro 'Godere'	182	*	-	7,521	*	-	-	-
Sweet potatoes	2,161	738	*	29,615	714	*	*	*
<b>Other Temporary</b>	2,770	1,579	*	57,720	1,560	*	*	-
<b>Permanent crops</b>	43,491	3,012	*	69,043	2,917	*	*	-
Avocado	*	*	-	*	*	-	-	-
Bananas	1,577	519	*	38,900	510	-	-	-
Guava	-	-	-	-	-	-	-	-
Lemons	*	*	-	*	*	-	-	-
Mangoes	568	98	-	13,089	98	-	-	-
Oranges	288	58	-	10,623	58	-	-	-
Papayas	33	*	-	2,537	*	-	-	-
Pineapples	*	-	-	-	-	-	-	-
Chat	1,289	151	-	11,217	151	-	-	-
Coffee	39,128	*	-	23,179	*	-	-	-
Hops / 'Geshe'	297	70	-	10,763	70	-	-	-
Enset	31	*	-	*	*	-	-	-
Sugar cane	82	*	-	*	*	-	-	-
Other permanent	*	*	-	*	*	-	-	-

(Table 1.4.1cont'd.)

## West Welega

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
<b>All</b>	5,388	*	787	55,103	14,493	28,960	239,372	241,548	74,066
<b>Cereals</b>	4,567	*	752	54,413	14,454	28,661	234,094	154,880	61,044
Teff	2,696	*	*	*	*	*	73,660	21,761	13,602
Barley	-	-	-	-	-	-	41,916	2,397	3,337
Wheat	*	*	*	*	*	*	32,051	2,909	2,532
Maize	*	*	*	49,797	11,706	27,486	222,949	53,895	18,328
Sorghum	-	-	-	*	*	*	181,344	45,060	12,444
Finger millet	*	*	*	*	*	*	102,047	28,817	10,787
Oats / 'Aja'	-	-	-	-	-	-	*	*	*
Rice	-	-	-	-	-	-	*	*	*
<b>Pulses</b>	*	*	-	-	-	-	142,267	12,984	9,251
Horse / Faba beans	-	-	-	-	-	-	52,009	3,440	3,619
Field Peas	-	-	-	-	-	-	29,769	2,311	1,403
Haricot beans	-	-	-	-	-	-	114,250	6,619	3,974
Chick peas	-	-	-	-	-	-	*	*	*
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	3,599	76	*
Soya beans	-	-	-	-	-	-	*	*	*
Fenugreek	*	*	-	-	-	-	*	*	*
Gibto	-	-	-	-	-	-	*	*	-
<b>Oilseeds</b>	*	*	*	*	*	*	107,655	23,519	3,771
Neug	-	-	-	-	-	-	71,360	16,574	2,766
Linseed	-	-	-	-	-	-	10,353	249	51
Groundnuts	-	-	-	-	-	-	6,512	129	62
Safflower	-	-	-	-	-	-	*	*	*
Sesame	-	-	-	-	-	-	25,843	5,597	844
Rapeseed	*	*	*	*	*	*	22,766	961	45
<b>Vegetables</b>	-	-	-	*	*	*	111,088	1,791	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	-	-	-	-	-	-	*	*	-
Ethiopian cabbage	-	-	-	-	-	-	9,914	83	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	15,999	*	-
Red peppers	-	-	-	*	*	*	90,108	1,454	-
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	*	*	*	-	-	-	98,877	2,419	-
Beetroot	-	-	-	-	-	-	1,866	*	-
Carrot	-	-	-	-	-	-	2,240	*	-
Onion	-	-	-	-	-	-	*	*	-
Potatoes	-	-	-	-	-	-	3,000	32	-
Garlic	-	-	-	-	-	-	11,049	21	-
Taro 'Godere'	-	-	-	-	-	-	14,310	182	-
Sweet potatoes	*	*	*	-	-	-	81,599	2,161	-
<b>Other Temporary</b>	*	*	*	-	-	-	100,867	2,770	-
<b>Permanent crops</b>							198,681	43,185	
Avocado							16,201	*	
Bananas							104,734	1,573	
Guava							-	-	
Lemons							*	*	
Mangoes							52,848	567	
Oranges							32,135	288	
Papayas							7,729	33	
Pineapples							*	*	
Chat							41,148	1,289	
Coffee							169,073	38,831	
Hops / 'Gesho'							31,933	297	
Enset							5,815	31	
Sugar cane							4,480	82	
Other permanent							1,885	*	

(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
<b>All</b>	44,395	10,231	2,130	24,627	8,101	5,748	404	41,366	9,886
<b>Cereals</b>	42,513	9,921	2,129	22,275	7,718	*	*	40,387	9,605
Teff	-	-	-	7,260	2,335	-	-	*	*
Barley	-	-	-	*	*	-	-	-	-
Wheat	-	-	-	*	*	*	*	-	-
Maize	42,178	9,869	2,114	8,589	1,986	*	*	39,425	9,423
Sorghum	*	*	*	*	*	*	*	*	*
Finger millet	-	-	-	8,242	*	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	*	*	*	*	*	-	-	-	-
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	*	*	*	*	*	-	-	-	-
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	*	*	*	*	*	*
Neug	-	-	-	-	-	*	*	*	*
Linseed	-	-	-	*	*	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	*	*	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	*	*
<b>Vegetables</b>	-	-	-	*	*	*	*	-	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	-	-	-	-
Red peppers	-	-	-	*	*	*	*	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	-	-	-	-	-	*	*	*	*
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	*	*	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	*	*
<b>Other Temporary</b>	-	-	-	*	*	*	*	*	*
<b>Permanent crops</b>				1,732	*	4,056	216	1,264	*
Avocado				*	*	*	*	-	-
Bananas				-	-	*	*	*	*
Guava				-	-	-	-	-	-
Lemons				-	-	*	*	-	-
Mangoes				*	*	-	-	-	-
Oranges				-	-	*	*	-	-
Papayas				-	-	*	*	-	-
Pineapples				-	-	-	-	-	-
Chat				-	-	*	*	-	-
Coffee	*	*	-	*	*	2,200	*	*	*
Hops / 'Geshe'				-	-	-	-	-	-
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
<b>All</b>	300,866	114,760	88,913	113,155	30,348	57,316	51,627	30,660
<b>Cereals</b>	227,204	107,816	88,259	93,421	23,855	57,055	51,424	30,496
Teff	76,207	44,398	25,053	5,869	*	53,092	39,075	21,827
Barley	4,095	1,156	*	12,275	1,059	*	*	*
Wheat	6,697	3,825	4,887	7,119	427	*	*	*
Maize	79,754	46,421	52,702	85,143	18,524	7,030	*	*
Sorghum	36,113	1,217	*	8,806	1,183	-	-	-
Finger millet	24,198	10,788	5,318	*	*	25,277	8,939	5,221
Oats / 'Aja'	*	*	-	*	*	-	-	-
Rice	-	-	-	-	-	-	-	-
<b>Pulses</b>	12,470	2,834	*	32,563	2,720	*	*	*
Horse / Faba beans	8,071	2,279	*	26,640	2,166	*	*	*
Field Peas	1,501	129	-	2,883	129	-	-	-
Haricot beans	1,403	*	-	5,049	*	-	-	-
Chick peas	*	*	-	*	*	-	-	-
Lentils	27	*	-	*	*	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	*	*	-	*	*	-	-	-
Fenugreek	*	*	-	*	*	-	-	-
Gibto	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	52,040	1,373	*	8,923	*	*	*	-
Neug	37,853	*	-	4,303	*	-	-	-
Linseed	*	*	-	*	*	-	-	-
Groundnuts	*	-	-	-	-	-	-	-
Safflower	*	-	-	-	-	-	-	-
Sesame	13,288	*	*	*	*	*	*	-
Rapeseed	313	146	-	3,822	146	-	-	-
<b>Vegetables</b>	1,953	1,045	*	46,168	826	*	*	*
Lettuce	*	-	-	-	-	-	-	-
Head cabbage	*	*	-	*	*	-	-	-
Ethiopian cabbage	91	48	-	3,115	48	-	-	-
Tomatoes	*	-	-	-	-	-	-	-
Green peppers	275	115	-	12,390	115	-	-	-
Red peppers	1,555	852	*	30,547	634	*	*	*
Swiss chard	*	*	-	*	*	-	-	-
<b>Root crops</b>	985	*	-	29,859	*	-	-	-
Beetroot	12	8	-	3,929	8	-	-	-
Carrot	7	*	-	*	*	-	-	-
Onion	*	23	-	3,822	23	-	-	-
Potatoes	*	*	-	10,684	*	-	-	-
Garlic	70	52	-	13,536	52	-	-	-
Taro 'Godere'	*	*	-	*	*	-	-	-
Sweet potatoes	253	*	-	7,208	*	-	-	-
<b>Other Temporary</b>	647	320	*	20,478	303	-	-	-
<b>Permanent crops</b>	5,568	731		29,253	731			
Avocado	*	-		-	-			
Bananas	279	95		9,832	95			
Guava	*	-		-	-			
Lemons	*	*		*	*			
Mangoes	*	*		3,008	*			
Oranges	16	*		1,282	*			
Papayas	15	*		1,150	*			
Pineapples	-	-		-	-			
Chat	*	*		4,706	*			
Coffee	3,416	161		7,107	161			
Hops / 'Geshe'	435	*		12,174	*			
Enset	*	*		*	*			
Sugar cane	*	-		-	-			
Other permanent	67	23		4,765	23			

(Table 1.4.2 cont'd.)

**East Welega**

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
<b>All</b>	2,394	763	*	50,736	32,022	57,603	209,327	282,491	100,325
<b>Cereals</b>	1,961	*	*	49,795	31,876	57,364	206,240	208,867	80,273
Teff	-	-	-	8,761	4,269	3,227	122,396	76,137	34,724
Barley	-	-	-	*	*	*	29,202	4,095	5,035
Wheat	*	*	*	8,212	*	*	35,246	6,596	8,816
Maize	1,128	*	*	40,170	24,481	49,543	186,321	61,622	17,960
Sorghum	-	-	-	*	*	*	101,825	36,079	6,577
Finger millet	*	*	*	*	*	*	77,394	24,198	6,977
Oats / 'Aja'	-	-	-	-	-	-	*	*	*
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	-	-	-	-	-	-	85,706	12,470	10,875
Horse / Faba beans	-	-	-	-	-	-	61,041	8,071	7,161
Field Peas	-	-	-	-	-	-	13,222	1,501	1,051
Haricot beans	-	-	-	-	-	-	20,891	1,403	822
Chick peas	-	-	-	-	-	-	2,631	*	*
Lentils	-	-	-	-	-	-	1,826	27	*
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	*	*	*
Fenugreek	-	-	-	-	-	-	*	*	*
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	*	*	*	-	-	-	125,900	52,040	9,177
Neug	-	-	-	-	-	-	91,302	37,853	6,831
Linseed	-	-	-	-	-	-	3,418	*	14
Groundnuts	-	-	-	-	-	-	*	*	*
Safflower	-	-	-	-	-	-	*	*	*
Sesame	*	*	*	-	-	-	41,940	13,288	2,002
Rapeseed	-	-	-	-	-	-	11,070	313	*
<b>Vegetables</b>	*	*	*	*	*	*	94,589	1,953	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	-	-	-	-	-	-	*	*	-
Ethiopian cabbage	-	-	-	-	-	-	5,515	91	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	24,971	275	-
Red peppers	*	*	*	*	*	*	65,049	1,555	-
Swiss chard	-	-	-	-	-	-	*	*	-
<b>Root crops</b>	-	-	-	-	-	-	49,836	983	-
Beetroot	-	-	-	-	-	-	5,364	11	-
Carrot	-	-	-	-	-	-	*	5	-
Onion	-	-	-	-	-	-	5,653	*	-
Potatoes	-	-	-	-	-	-	15,211	*	-
Garlic	-	-	-	-	-	-	19,705	70	-
Taro 'Godere'	-	-	-	-	-	-	2,046	*	-
Sweet potatoes	-	-	-	-	-	-	18,337	253	-
<b>Other Temporary</b>	*	*	*	-	-	-	42,930	647	-
<b>Permanent crops</b>							85,064	5,531	
Avocado							*	*	
Bananas							25,592	279	
Guava							*	*	
Lemons							*	*	
Mangoes							23,392	*	
Oranges							3,003	16	
Papayas							4,149	15	
Pineapples							-	-	
Chat							14,191	*	
Coffee							37,760	3,380	
Hops / 'Geshe'							28,629	435	
Enset							*	*	
Sugar cane							*	*	
Other permanent							10,229	67	

(Table 1.4.2 Cont'd.)

## East Welega

[illegible]



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
<b>All</b>	277,604	43,772	21,437	112,803	20,675	25,350	12,581	7,518
<b>Cereals</b>	197,388	36,521	19,501	78,384	15,697	23,875	12,225	7,265
Teff	56,954	12,745	5,939	3,803	795	17,987	9,886	5,054
Barley	5,391	289	-	4,621	289	-	-	-
Wheat	3,809	308	134	4,644	200	1,067	108	134
Maize	77,352	20,964	12,581	72,791	13,072	6,496	1,967	1,853
Sorghum	43,679	2,092	817	10,356	1,248	977	259	221
Finger millet	10,023	98	7	837	92	*	*	*
Oats / 'Aja'	77	-	-	-	-	-	-	-
Rice	104	24	24	*	*	*	*	*
<b>Pulses</b>	23,655	1,742	820	29,457	935	966	146	133
Horse / Faba beans	7,897	513	-	7,424	513	-	-	-
Field Peas	6,945	106	-	1,912	106	-	-	-
Haricot beans	3,780	256	117	19,375	207	206	11	5
Chick peas	2,723	-	-	-	-	-	-	-
Lentils	2	-	-	-	-	-	-	-
Vetch / Grass peas	155	-	-	-	-	-	-	-
Soya beans	1,836	764	703	954	*	789	135	128
Fenugreek	318	102	-	6,621	102	-	-	-
Gibto	1	-	-	-	-	-	-	-
<b>Oilseeds</b>	15,458	1,579	594	5,517	324	551	152	50
Neug	5,982	46	*	535	26	*	*	*
Linseed	365	14	*	1,134	13	-	-	-
Groundnuts	617	30	78	157	3	189	9	5
Safflower	20	6	-	273	6	-	-	-
Sesame	8,217	1,336	508	591	130	396	141	44
Rapeseed	256	148	-	2,827	148	-	-	-
<b>Vegetables</b>	2,158	865	144	60,661	746	880	44	40
Lettuce	*	-	-	-	-	-	-	-
Head cabbage	48	22	*	9,867	22	-	-	-
Ethiopian cabbage	184	79	*	23,663	78	-	-	-
Tomatoes	15	*	-	595	*	-	-	-
Green peppers	506	219	27	27,778	198	143	*	*
Red peppers	1,403	544	111	24,440	446	738	33	30
Swiss chard	2	1	-	269	1	-	-	-
<b>Root crops</b>	1,577	465	274	40,159	393	702	7	18
Beetroot	66	22	2	12,813	22	294	*	1
Carrot	8	2	*	1,714	2	*	*	*
Onion	260	155	*	9,764	154	-	-	-
Potatoes	16	2	-	902	2	-	-	-
Garlic	57	25	-	11,314	25	-	-	-
Taro 'Godere'	432	127	-	16,633	127	-	-	-
Sweet potatoes	738	132	271	5,974	62	388	6	16
<b>Other Temporary</b>	950	371	39	22,589	364	*	*	*
<b>Permanent crops</b>	36,418	2,229		57,053	2,215			
Avocado	135	118		3,110	118			
Bananas	534	114		10,835	114			
Guava	17	-		-	-			
Lemons	9	6		1,927	6			
Mangoes	187	45		4,714	44			
Oranges	46	12		2,914	12			
Papayas	121	30		7,382	30			
Pineapples	-	-		-	-			
Chat	2,054	491		14,740	486			
Coffee	31,209	1,021		11,425	1,014			
Hops / 'Gescho'	99	25		4,603	25			
Enset	1,713	325		36,656	325			
Sugar cane	278	37		5,275	36			
Other permanent	16	5		2,544	5			

(Table 1.4.3 cont'd.)

**Illubabor**

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
<b>All</b>	9,291	3,198	1,486	21,806	7,319	12,433	233,466	271,795	92,976
<b>Cereals</b>	7,049	2,532	1,251	21,097	6,066	10,985	230,526	192,560	74,640
Teff	4,338	2,032	867	289	32	17	122,801	56,954	25,807
Barley	-	-	-	-	-	-	41,638	5,391	5,451
Wheat	-	-	-	*	*	*	38,058	3,809	4,242
Maize	2,506	335	304	20,461	5,590	10,424	213,997	72,530	26,814
Sorghum	736	157	70	2,654	429	526	152,237	43,673	9,810
Finger millet	-	-	-	*	4	*	49,649	10,023	2,399
Oats / 'Aja'	-	-	-	-	-	-	1,164	77	44
Rice	164	9	*	301	11	13	1,997	104	73
<b>Pulses</b>	961	133	71	2,743	528	616	138,170	23,438	15,723
Horse / Faba beans	-	-	-	-	-	-	58,961	7,879	6,889
Field Peas	-	-	-	-	-	-	33,448	6,943	4,545
Haricot beans	237	10	5	589	28	106	87,740	3,780	1,992
Chick peas	-	-	-	-	-	-	14,683	2,723	1,366
Lentils	-	-	-	-	-	-	265	2	1
Vetch / Grass peas	-	-	-	-	-	-	1,406	155	70
Soya beans	855	123	65	2,470	499	510	14,231	1,637	757
Fenugreek	-	-	-	-	-	-	18,951	318	103
Gibto	-	-	-	-	-	-	601	1	-
<b>Oilseeds</b>	1,599	476	122	2,211	628	422	70,828	15,447	2,613
Neug	*	*	*	*	*	*	35,912	5,982	1,048
Linseed	-	-	-	*	*	*	9,911	365	86
Groundnuts	396	9	*	671	9	63	12,515	617	220
Safflower	-	-	-	-	-	-	1,710	20	2
Sesame	1,374	465	112	1,736	601	353	24,666	8,206	1,245
Rapeseed	-	-	-	-	-	-	7,037	256	13
<b>Vegetables</b>	715	43	25	1,276	33	79	136,319	2,157	-
Lettuce	-	-	-	-	-	-	298	*	-
Head cabbage	-	-	-	*	*	*	20,040	47	-
Ethiopian cabbage	-	-	-	*	*	*	50,067	184	-
Tomatoes	-	-	-	-	-	-	1,547	15	-
Green peppers	125	3	*	482	7	*	54,552	506	-
Red peppers	590	40	24	731	25	57	63,159	1,403	-
Swiss chard	-	-	-	-	-	-	831	2	-
<b>Root crops</b>	435	8	12	1,882	57	244	109,470	1,576	-
Beetroot	*	*	*	*	*	*	26,220	65	-
Carrot	-	-	-	*	*	*	6,927	8	-
Onion	*	*	*	*	*	*	18,548	260	-
Potatoes	-	-	-	-	-	-	1,785	16	-
Garlic	-	-	-	-	-	-	22,876	57	-
Taro 'Godere'	-	-	-	-	-	-	43,026	432	-
Sweet potatoes	368	8	12	1,818	56	243	36,616	738	-
<b>Other Temporary</b>	*	*	*	97	*	34	61,749	950	-
<b>Permanent crops</b>							167,939	35,667	
Avocado							8,101	131	
Bananas							49,550	534	
Guava							2,737	17	
Lemons							3,334	9	
Mangoes							23,556	187	
Oranges							10,323	46	
Papayas							20,118	121	
Pineapples							-	-	
Chat							62,707	2,054	
Coffee							115,364	30,462	
Hops / 'Geshe'							20,426	99	
Enset							97,265	1,713	
Sugar cane							23,346	278	
Other permanent							10,850	15	

(Table 1.4.3 Cont'd.)

**Illubabor**

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
<b>All</b>	27,263	5,809	1,476	65,694	33,261	1,840	271	25,544	8,163
<b>Cereals</b>	18,758	4,828	1,379	64,521	33,150	957	247	23,455	7,762
Teff	-	-	-	55,482	25,515	-	-	2,997	1,444
Barley	-	-	-	788	73	-	-	-	-
Wheat	-	-	-	8,007	943	-	-	260	27
Maize	18,489	4,822	1,373	2,515	614	957	231	21,267	6,122
Sorghum	569	6	6	14,359	5,688	*	*	1,657	169
Finger millet	-	-	-	2,484	316	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	1,692	217	95	623	58	328	3	1,221	162
Horse / Faba beans	269	18	17	332	55	-	-	-	-
Field Peas	*	*	*	-	-	-	-	*	*
Haricot beans	-	-	-	272	1	328	3	248	8
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	1,408	198	77	*	*	-	-	984	152
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	*	*	*	607	40	-	-	330	9
Neug	-	-	-	286	17	-	-	-	-
Linseed	-	-	-	301	17	-	-	-	-
Groundnuts	*	*	*	-	-	-	-	263	5
Safflower	-	-	-	-	-	-	-	-	-
Sesame	*	*	*	*	*	-	-	*	*
Rapeseed	-	-	-	-	-	-	-	-	-
<b>Vegetables</b>	287	1	-	-	-	*	*	436	3
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	287	1	-	-	-	*	*	*	*
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	-	-	342	3
Red peppers	-	-	-	-	-	-	-	*	*
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	309	1	-	*	*	*	*	1,189	30
Beetroot	287	1	-	-	-	-	-	-	-
Carrot	*	*	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	-	*	*
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	-	*	*	*	*	1,163	30
<b>Other Temporary</b>	-	-	-	275	3	-	-	99	*
<b>Permanent crops</b>				1,460	9	1,244	21	3,032	194
Avocado				-	-	294	1	*	*
Bananas				-	-	380	3	313	15
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				265	*	*	*	305	5
Oranges				-	-	-	-	-	-
Papayas				301	*	*	*	*	*
Pineapples				-	-	-	-	-	-
Chat				273	5	601	16	113	3
Coffee	5,962	746	-	328	3	*	*	2,538	164
Hops / 'Gescho'				-	-	-	-	260	1
Enset				-	-	-	-	-	-
Sugar cane				-	-	*	*	260	6
Other permanent				294	*	-	-	-	-

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
<b>All</b>	555,300	218,920	136,596	423,980	70,261	191,930	114,734	86,009
<b>Cereals</b>	407,137	174,728	124,266	210,096	34,301	190,516	107,124	76,820
Teff	155,263	74,209	44,175	16,641	2,474	168,996	67,591	41,348
Barley	21,551	3,846	*	22,490	1,567	*	*	*
Wheat	34,394	*	*	*	*	40,943	*	*
Maize	133,856	82,088	69,900	184,153	27,285	93,453	25,897	25,337
Sorghum	55,576	1,935	*	16,212	1,790	2,173	*	*
Finger millet	4,794	*	*	*	*	*	*	*
Oats / 'Aja'	*	*	*	*	*	*	*	*
Rice	*	*	-	*	*	-	-	-
<b>Pulses</b>	35,204	*	*	84,591	2,952	*	*	*
Horse / Faba beans	18,656	3,507	*	33,654	1,696	*	*	*
Field Peas	12,438	*	*	6,031	*	*	*	*
Haricot beans	1,576	462	*	43,986	391	*	*	*
Chick peas	1,327	*	*	*	*	*	*	*
Lentils	1,121	*	*	*	*	*	*	*
Vetch / Grass peas	*	*	-	*	*	-	-	-
Soya beans	*	*	-	*	*	-	-	-
Fenugreek	*	*	-	*	*	-	-	-
Gibto	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	21,136	1,388	*	19,795	459	7,893	407	*
Neug	14,820	*	*	*	*	*	*	*
Linseed	3,236	369	111	4,275	63	5,622	*	111
Groundnuts	296	*	*	*	*	-	-	-
Safflower	*	-	-	-	-	-	-	-
Sesame	1,960	*	*	*	*	*	*	*
Rapeseed	*	*	*	12,945	*	*	*	*
<b>Vegetables</b>	3,287	1,958	*	261,591	1,640	*	*	*
Lettuce	*	*	-	*	*	-	-	-
Head cabbage	58	45	-	19,365	45	-	-	-
Ethiopian cabbage	1,582	1,322	*	231,258	1,314	*	*	*
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	323	211	-	79,047	211	-	-	-
Red peppers	*	*	*	15,426	53	*	*	*
Swiss chard	*	-	-	-	-	-	-	-
<b>Root crops</b>	9,058	5,800	*	212,339	5,390	*	*	*
Beetroot	39	29	-	11,817	29	-	-	-
Carrot	*	*	-	*	*	-	-	-
Onion	*	*	-	5,175	*	-	-	-
Potatoes	*	314	-	19,281	314	-	-	-
Garlic	95	53	*	31,267	53	*	*	*
Taro 'Godere'	7,542	5,244	*	173,989	4,837	*	*	*
Sweet potatoes	309	151	*	18,925	148	-	-	-
<b>Other Temporary</b>	1,920	1,410	*	108,006	1,359	*	*	*
<b>Permanent crops</b>	77,556	24,735		362,095	24,162			
Avocado	205	90		22,427	90			
Bananas	2,348	1,094		101,786	947			
Guava	153	44		12,973	44			
Lemons	*	*		*	*			
Mangoes	290	108		26,138	104			
Oranges	258	68		18,619	68			
Papayas	188	99		37,457	99			
Pineapples	*	*		*	*			
Chat	8,607	3,885		163,617	3,701			
Coffee	45,484	3,808		119,109	3,635			
Hops / 'Gescho'	160	37		8,884	37			
Enset	18,150	14,699		319,876	14,648			
Sugar cane	1,386	645		87,033	641			
Other permanent	313	158		36,070	147			

(Table 1.4.4 cont'd.)

**Jimma**

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
<b>All</b>	9,860	3,945	*	75,126	29,980	47,856	525,517	518,480	261,586
<b>Cereals</b>	9,381	3,937	*	75,126	29,366	44,717	496,690	375,645	223,882
Teff	6,201	*	1,061	7,086	2,416	1,766	389,284	154,915	73,842
Barley	*	*	-	*	*	*	149,995	21,551	30,870
Wheat	*	*	*	-	-	-	143,446	34,009	47,030
Maize	3,297	*	*	71,605	26,924	42,927	371,594	103,102	56,100
Sorghum	-	-	-	*	*	*	245,557	55,570	13,353
Finger millet	-	-	-	-	-	-	28,873	4,794	*
Oats / 'Aja'	-	-	-	-	-	-	21,463	*	1,573
Rice	-	-	-	-	-	-	*	*	*
<b>Pulses</b>	*	*	*	*	*	*	238,960	35,204	34,616
Horse / Faba beans	-	-	-	*	*	*	141,969	18,656	21,640
Field Peas	-	-	-	-	-	-	64,758	12,438	11,263
Haricot beans	-	-	-	-	-	-	82,128	1,576	751
Chick peas	-	-	-	-	-	-	13,667	1,327	476
Lentils	*	*	*	-	-	-	31,021	1,121	467
Vetch / Grass peas	-	-	-	-	-	-	*	*	-
Soya beans	-	-	-	-	-	-	*	*	*
Fenugreek	-	-	-	-	-	-	*	*	*
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	*	*	*	149,670	21,110	3,089
Neug	-	-	-	-	-	-	50,581	14,820	1,980
Linseed	-	-	-	-	-	-	82,549	3,236	741
Groundnuts	-	-	-	*	*	*	7,488	293	*
Safflower	-	-	-	-	-	-	*	*	*
Sesame	-	-	-	*	*	*	7,094	1,960	218
Rapeseed	-	-	-	*	*	*	19,272	*	46
<b>Vegetables</b>	-	-	-	*	*	*	329,604	3,279	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	-	-	-	-	-	-	24,452	56	-
Ethiopian cabbage	-	-	-	-	-	-	275,135	1,576	-
Tomatoes	-	-	-	-	-	-	4,328	*	-
Green peppers	-	-	-	-	-	-	117,599	323	-
Red peppers	-	-	-	*	*	*	36,841	*	-
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	-	-	-	*	*	*	296,893	9,054	-
Beetroot	-	-	-	-	-	-	17,334	35	-
Carrot	-	-	-	-	-	-	2,443	*	-
Onion	-	-	-	-	-	-	10,175	*	-
Potatoes	-	-	-	-	-	-	33,067	*	-
Garlic	-	-	-	-	-	-	44,082	95	-
Taro 'Godere'	-	-	-	-	-	-	240,476	7,542	-
Sweet potatoes	-	-	-	*	*	*	32,411	309	-
<b>Other Temporary</b>	-	-	-	*	*	*	158,469	1,920	-
<b>Permanent crops</b>							468,573	72,268	
Avocado							27,459	*	
Bananas							192,869	2,348	
Guava							40,179	153	
Lemons							4,729	*	
Mangoes							75,297	290	
Oranges							59,718	258	
Papayas							69,935	188	
Pineapples							3,987	*	
Chat							310,242	8,592	
Coffee							289,727	40,311	
Hops / 'Geshe'							26,568	160	
Enset							392,467	18,144	
Sugar cane							155,573	1,383	
Other permanent							79,428	313	

(Table 1.4.4 Cont'd.)

**Jimma**

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
<b>All</b>	124,756	36,820	6,775	340,872	174,723	5,838	451	138,314	60,719
<b>Cereals</b>	87,608	31,493	6,774	338,308	173,322	*	*	134,690	58,881
Teff	*	*	-	317,621	128,124	*	*	33,951	13,917
Barley	-	-	-	44,506	5,838	-	-	*	*
Wheat	*	*	*	89,372	25,202	-	-	9,133	1,201
Maize	85,280	30,754	6,448	20,626	*	*	*	119,187	43,399
Sorghum	*	*	*	18,669	5,081	-	-	*	*
Finger millet	-	-	-	*	*	-	-	*	*
Oats / 'Aja'	-	-	-	*	*	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	-	-	-	4,178	*	*	*	3,221	98
Horse / Faba beans	-	-	-	*	*	-	-	*	*
Field Peas	-	-	-	*	*	*	*	-	-
Haricot beans	-	-	-	-	-	-	-	*	*
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	*	*	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	*	*	*	26,698	525	-	-	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	26,186	509	-	-	*	*
Groundnuts	*	*	*	-	-	-	-	*	*
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	*	*	-	-	-	-
Rapeseed	*	*	-	*	*	-	-	*	*
<b>Vegetables</b>	*	*	-	*	*	*	*	-	-
Lettuce	*	*	-	-	-	-	-	-	-
Head cabbage	*	*	-	-	-	-	-	-	-
Ethiopian cabbage	*	*	-	*	*	*	*	-	-
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	*	*	-	-	-	-	-	-	-
Red peppers	-	-	-	*	*	-	-	-	-
Swiss chard	*	*	-	-	-	-	-	-	-
<b>Root crops</b>	*	4	-	*	*	*	*	*	*
Beetroot	*	*	-	-	-	-	-	*	*
Carrot	*	*	-	-	-	-	-	*	*
Onion	*	*	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	*	*	-	-
Garlic	-	-	-	*	*	-	-	-	-
Taro 'Godere'	-	-	-	*	*	*	*	-	-
Sweet potatoes	-	-	-	*	*	-	-	*	*
<b>Other Temporary</b>	-	-	-	-	-	-	-	*	*
<b>Permanent crops</b>				12,291	271	3,713	*	12,912	*
Avocado				-	-	-	-	*	*
Bananas				2,101	*	*	*	6,613	140
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				*	*	*	*	-	-
Oranges				*	*	-	-	-	-
Papayas				-	-	*	*	-	-
Pineapples				-	-	-	-	-	-
Chat				*	*	*	*	*	*
Coffee	34,587	5,173	-	4,302	*	2,662	*	4,821	*
Hops / 'Geshe'				*	*	-	-	*	*
Enset				2,127	*	*	*	*	*
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
<b>All</b>	557,060	328,469	270,932	318,132	55,108	113,977	74,365	62,033
<b>Cereals</b>	438,584	298,142	259,694	194,400	34,868	104,443	68,673	55,930
Teff	127,931	93,081	62,845	14,015	2,876	43,455	23,813	11,077
Barley	83,634	64,629	57,651	42,152	7,317	41,854	20,509	19,908
Wheat	105,854	91,464	98,742	18,145	4,157	47,015	18,920	20,534
Maize	59,109	45,862	39,521	156,024	18,126	23,557	5,104	3,995
Sorghum	61,179	2,588	*	10,619	2,315	*	*	*
Finger millet	*	-	-	-	-	-	-	-
Oats / 'Aja'	854	518	609	*	*	*	*	*
Rice	*	-	-	-	-	-	-	-
<b>Pulses</b>	56,196	13,350	6,155	59,443	6,744	16,400	*	*
Horse / Faba beans	30,083	6,814	2,015	43,445	4,381	7,148	*	*
Field Peas	11,588	4,699	*	10,689	1,701	*	*	*
Haricot beans	*	*	*	3,357	*	*	*	*
Chick peas	*	*	*	*	*	*	*	*
Lentils	3,931	943	*	*	*	5,846	*	*
Vetch / Grass peas	5,765	*	*	*	*	-	-	-
Soya beans	*	*	-	*	*	-	-	-
Fenugreek	*	*	*	7,172	*	*	*	*
Gibto	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	45,448	3,434	*	31,280	1,667	*	*	*
Neug	14,381	*	-	*	*	-	-	-
Linseed	16,807	*	*	*	*	*	*	*
Groundnuts	*	*	*	*	*	-	-	-
Safflower	*	*	*	*	*	*	*	*
Sesame	*	*	*	-	-	*	*	*
Rapeseed	*	*	*	27,091	671	*	*	*
<b>Vegetables</b>	2,576	2,015	1,005	149,616	1,532	*	*	*
Lettuce	*	*	-	*	*	-	-	-
Head cabbage	36	34	*	12,498	34	*	*	*
Ethiopian cabbage	581	551	*	79,344	544	*	*	*
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	483	290	*	69,324	253	*	*	*
Red peppers	1,459	1,123	969	22,780	685	*	*	*
Swiss chard	*	*	-	*	*	-	-	-
<b>Root crops</b>	4,845	3,830	1,215	158,525	2,645	9,797	*	*
Beetroot	108	63	*	25,986	61	-	-	-
Carrot	12	9	-	9,298	9	-	-	-
Onion	398	230	*	45,472	196	*	*	*
Potatoes	3,374	2,973	*	48,031	1,887	*	*	*
Garlic	678	525	*	110,651	461	4,143	32	*
Taro 'Godere'	*	*	-	*	*	-	-	-
Sweet potatoes	*	*	*	*	*	-	-	-
<b>Other Temporary</b>	987	681	*	104,625	677	*	*	*
<b>Permanent crops</b>	8,426	7,018		197,762	6,975			
Avocado	*	*		*	*			
Bananas	*	*		11,831	*			
Guava	*	*		*	*			
Lemons	*	*		*	*			
Mangoes	*	*		*	*			
Oranges	*	*		*	*			
Papayas	*	*		*	*			
Pineapples	-	-		-	-			
Chat	367	156		13,996	156			
Coffee	284	*		8,216	*			
Hops / 'Geshe'	1,173	834		99,388	827			
Enset	5,950	5,537		152,649	5,515			
Sugar cane	178	101		6,815	*			
Other permanent	109	80		25,898	80			

(Table 1.4.5 cont'd.)

**West Shewa**

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
<b>All</b>	11,096	3,536	1,835	212,862	195,461	207,063	407,793	541,598	599,102
<b>Cereals</b>	8,921	3,426	1,697	209,185	191,175	202,068	386,412	423,920	485,278
Teff	5,859	1,823	605	104,325	64,569	51,163	224,646	127,931	69,253
Barley	*	*	*	73,234	36,780	37,647	172,718	82,889	169,815
Wheat	*	*	*	132,298	68,067	78,016	221,378	104,823	207,683
Maize	3,211	*	802	48,225	21,373	34,724	250,138	46,220	21,137
Sorghum	-	-	-	*	*	*	132,178	61,179	16,047
Finger millet	-	-	-	-	-	-	*	*	*
Oats / 'Aja'	-	-	-	5,248	386	519	14,531	854	1,340
Rice	-	-	-	-	-	-	*	*	*
<b>Pulses</b>	-	-	-	15,894	2,948	2,846	210,466	56,170	96,560
Horse / Faba beans	-	-	-	8,142	1,195	998	161,908	30,057	56,795
Field Peas	-	-	-	*	*	*	56,005	11,588	22,645
Haricot beans	-	-	-	*	*	*	14,761	*	*
Chick peas	-	-	-	-	-	-	21,427	*	*
Lentils	-	-	-	*	*	*	31,807	3,931	4,577
Vetch / Grass peas	-	-	-	*	*	*	21,282	5,765	*
Soya beans	-	-	-	-	-	-	*	*	*
Fenugreek	-	-	-	*	*	*	12,900	*	*
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	*	*	*	5,307	*	*	121,994	44,706	17,265
Neug	-	-	-	-	-	-	35,132	14,381	*
Linseed	-	-	-	-	-	-	54,232	16,639	12,122
Groundnuts	*	*	*	*	*	*	*	*	*
Safflower	-	-	-	-	-	-	*	*	*
Sesame	*	*	*	-	-	-	*	*	*
Rapeseed	*	*	*	5,275	*	*	40,975	*	*
<b>Vegetables</b>	*	*	*	4,248	275	*	186,460	2,574	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	-	-	-	-	-	-	13,897	35	-
Ethiopian cabbage	-	-	-	-	-	-	85,600	581	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	*	*	*	87,404	483	-
Red peppers	*	*	*	3,715	254	*	42,208	1,459	-
Swiss chard	-	-	-	-	-	-	*	*	-
<b>Root crops</b>	*	*	*	11,019	*	448	201,668	4,837	-
Beetroot	*	*	*	*	*	*	31,148	103	-
Carrot	-	-	-	-	-	-	10,220	11	-
Onion	*	*	*	*	*	*	60,679	398	-
Potatoes	-	-	-	*	*	*	68,780	3,374	-
Garlic	*	*	*	4,181	31	*	134,794	676	-
Taro 'Godere'	-	-	-	-	-	-	*	*	-
Sweet potatoes	*	*	*	-	-	-	8,941	*	-
<b>Other Temporary</b>	-	-	-	-	-	-	124,428	987	-
<b>Permanent crops</b>							228,559	8,404	
Avocado							*	*	
Bananas							17,211	*	
Guava							*	*	
Lemons							*	*	
Mangoes							*	*	
Oranges							*	*	
Papayas							*	*	
Pineapples							-	-	
Chat							25,708	367	
Coffee							14,003	281	
Hops / 'Geshe'							138,120	1,173	
Enset							166,910	5,950	
Sugar cane							10,108	178	
Other permanent							31,187	90	



(Table 1.4.5 Cont'd.)

**West Shewa**

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
<b>All</b>	37,920	15,462	6,586	272,894	242,433	34,825	2,268	66,347	44,128
<b>Cereals</b>	29,480	14,664	6,067	271,516	238,553	5,870	*	63,464	42,141
Teff	-	-	-	169,090	93,826	-	-	9,624	*
Barley	*	*	*	104,138	50,192	*	*	10,076	5,769
Wheat	2,439	1,031	1,904	173,924	88,295	*	*	21,229	11,801
Maize	25,121	12,889	2,964	6,684	1,118	*	*	40,310	19,636
Sorghum	-	-	-	9,991	4,679	*	*	*	*
Finger millet	-	-	-	*	*	-	-	-	-
Oats / 'Aja'	-	-	-	6,767	440	-	-	*	*
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	*	*	*	2,217	*	*	*	3,077	*
Horse / Faba beans	*	*	*	1,678	*	-	-	*	*
Field Peas	-	-	-	*	*	-	-	*	*
Haricot beans	-	-	-	*	*	*	*	*	*
Chick peas	-	-	-	-	-	*	*	-	-
Lentils	-	-	-	-	-	-	-	*	*
Vetch / Grass peas	-	-	-	-	-	*	*	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	*	*	-	-
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	*	*	*	9,334	1,967	*	*	2,847	*
Neug	-	-	-	*	*	-	-	*	*
Linseed	*	*	*	7,452	1,853	-	-	*	*
Groundnuts	-	-	-	-	-	-	-	*	*
Safflower	-	-	-	*	*	-	-	-	-
Sesame	-	-	-	-	-	*	*	-	-
Rapeseed	*	*	*	*	*	-	-	*	*
<b>Vegetables</b>	*	*	-	-	-	12,396	*	*	*
Lettuce	*	*	-	-	-	-	-	-	-
Head cabbage	*	*	-	-	-	*	*	-	-
Ethiopian cabbage	-	-	-	-	-	*	*	-	-
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	6,977	35	*	*
Red peppers	-	-	-	-	-	*	*	*	*
Swiss chard	*	*	-	-	-	-	-	-	-
<b>Root crops</b>	*	*	-	*	*	14,708	299	*	*
Beetroot	*	*	-	*	*	*	*	-	-
Carrot	*	*	-	-	-	*	*	-	-
Onion	-	-	-	-	-	6,229	*	-	-
Potatoes	-	-	-	*	*	*	*	*	*
Garlic	*	*	-	-	-	7,260	116	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	-	-	-	*	*	*	*
<b>Other Temporary</b>	-	-	-	*	*	*	*	*	*
<b>Permanent crops</b>				2,253	*	16,502	*	1,940	*
Avocado				-	-	-	-	-	-
Bananas				-	-	*	*	-	-
Guava				-	-	-	-	-	-
Lemons				-	-	*	*	-	-
Mangoes				-	-	-	-	-	-
Oranges				-	-	*	*	-	-
Papayas				-	-	-	-	-	-
Pineapples				-	-	-	-	-	-
Chat				-	-	*	*	-	-
Coffee	*	*	-	-	-	*	*	*	*
Hops / 'Gescho'				1,511	*	*	*	-	-
Enset				*	*	*	*		
Sugar cane				*	*	6,873	160	*	*
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
<b>All</b>	360,513	113,024	107,344	158,278	23,383	13,385	*	*
<b>Cereals</b>	291,112	105,099	106,107	97,968	16,487	13,385	6,181	*
Teff	103,210	56,687	56,254	9,002	1,809	7,110	2,028	1,831
Barley	93,366	11,845	*	24,207	6,722	*	*	*
Wheat	43,734	30,924	44,028	16,190	2,315	*	*	*
Maize	4,682	3,075	*	59,552	3,073	-	-	-
Sorghum	45,315	2,538	-	7,571	2,538	-	-	-
Finger millet	-	-	-	-	-	-	-	-
Oats / 'Aja'	806	*	-	*	*	-	-	-
Rice	-	-	-	-	-	-	-	-
<b>Pulses</b>	58,960	6,328	460	30,190	5,685	*	*	*
Horse / Faba beans	34,310	4,847	*	28,461	4,600	-	-	-
Field Peas	4,094	*	*	*	*	-	-	-
Haricot beans	*	*	-	*	*	-	-	-
Chick peas	3,394	*	-	*	*	-	-	-
Lentils	5,521	*	*	*	*	*	*	*
Vetch / Grass peas	11,417	*	-	*	*	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	*	*	-	*	*	-	-	-
Gibto	*	-	-	-	-	-	-	-
<b>Oilseeds</b>	8,509	*	*	13,778	*	*	*	*
Neug	3,356	*	*	-	-	-	-	-
Linseed	4,788	*	*	*	*	-	-	-
Groundnuts	-	-	-	-	-	-	-	-
Safflower	*	*	*	*	*	*	*	*
Sesame	*	*	-	*	*	-	-	-
Rapeseed	145	*	-	*	*	-	-	-
<b>Vegetables</b>	466	384	*	60,686	228	*	*	-
Lettuce	*	*	*	*	*	-	-	-
Head cabbage	*	*	*	1,927	*	-	-	-
Ethiopian cabbage	143	126	*	40,277	123	*	*	-
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	140	92	*	15,756	70	-	-	-
Red peppers	*	*	-	*	*	-	-	-
Swiss chard	*	*	-	*	*	-	-	-
<b>Root crops</b>	996	483	*	69,686	436	-	-	-
Beetroot	*	*	-	6,237	*	-	-	-
Carrot	*	*	-	*	*	-	-	-
Onion	*	*	*	7,772	*	-	-	-
Potatoes	*	*	-	5,636	*	-	-	-
Garlic	435	266	*	61,952	231	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	-	*	*	-	-	-
<b>Other Temporary</b>	109	79	-	20,169	79	-	-	-
<b>Permanent crops</b>	361	197	-	27,162	197	-	-	-
Avocado	-	-	-	-	-	-	-	-
Bananas	*	*	*	*	*	-	-	-
Guava	-	-	-	-	-	-	-	-
Lemons	6	*	*	*	*	-	-	-
Mangoes	-	-	-	-	-	-	-	-
Oranges	*	*	*	*	*	-	-	-
Papayas	*	-	-	-	-	-	-	-
Pineapples	-	-	-	-	-	-	-	-
Chat	*	*	*	*	*	-	-	-
Coffee	*	*	*	*	*	-	-	-
Hops / 'Geshe'	180	110	-	19,444	110	-	-	-
Enset	*	*	*	*	*	-	-	-
Sugar cane	*	*	*	*	*	-	-	-
Other permanent	*	*	-	5,785	*	-	-	-

(Table 1.4.6 cont'd.)

**North Shewa**

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
<b>All</b>	11,404	4,549	3,537	84,606	78,784	97,430	256,986	359,461	360,575
<b>Cereals</b>	10,975	4,544	3,527	84,235	77,886	96,370	243,581	290,109	274,117
Teff	*	*	*	66,669	49,063	51,873	173,138	103,012	56,095
Barley	*	*	*	*	*	*	111,967	93,366	130,524
Wheat	2,058	*	*	52,423	25,887	40,535	110,394	42,929	69,514
Maize	*	*	-	*	*	*	86,159	4,682	2,819
Sorghum	-	-	-	-	-	-	75,474	45,315	14,210
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	8,301	806	954
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	-	-	-	2,668	524	*	149,674	58,960	82,817
Horse / Faba beans	-	-	-	*	*	*	122,242	34,310	53,206
Field Peas	-	-	-	*	*	*	35,171	4,094	7,039
Haricot beans	-	-	-	-	-	-	4,003	*	*
Chick peas	-	-	-	-	-	-	15,169	3,394	3,046
Lentils	-	-	-	*	*	*	35,907	5,521	5,664
Vetch / Grass peas	-	-	-	-	-	-	39,662	11,417	13,512
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	*	*	*
Gibto	-	-	-	-	-	-	*	*	*
<b>Oilseeds</b>	-	-	-	*	*	*	60,318	8,509	3,641
Neug	-	-	-	*	*	*	20,960	3,356	677
Linseed	-	-	-	*	*	*	28,065	4,788	2,881
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	*	*	*	*	*	*
Sesame	-	-	-	-	-	-	*	*	*
Rapeseed	-	-	-	-	-	-	14,368	145	*
<b>Vegetables</b>	*	*	*	*	*	*	82,013	466	-
Lettuce	-	-	-	*	*	*	*	*	-
Head cabbage	-	-	-	*	*	*	2,292	*	-
Ethiopian cabbage	*	*	*	-	-	-	51,943	143	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	*	*	*	21,997	140	-
Red peppers	-	-	-	-	-	-	*	*	-
Swiss chard	-	-	-	-	-	-	*	*	-
<b>Root crops</b>	*	*	*	*	*	*	99,280	947	-
Beetroot	-	-	-	-	-	-	6,393	*	-
Carrot	-	-	-	-	-	-	3,380	*	-
Onion	-	-	-	*	*	*	12,103	*	-
Potatoes	-	-	-	-	-	-	9,099	*	-
Garlic	*	*	*	*	*	*	88,606	434	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	*	*	-
<b>Other Temporary</b>	-	-	-	-	-	-	31,439	109	-
<b>Permanent crops</b>							48,036	361	
Avocado							-	-	
Bananas							*	*	
Guava							-	-	
Lemons							1,503	6	
Mangoes							-	-	
Oranges							*	*	
Papayas							*	*	
Pineapples							-	-	
Chat							*	*	
Coffee							*	*	
Hops / 'Geshe'							35,315	180	
Enset							7,783	*	
Sugar cane							*	*	
Other permanent							11,596	*	

(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
<b>All</b>	6,574	1,052	1,586	63,083	39,019	15,178	1,461	14,807	*
<b>Cereals</b>	3,388	*	1,586	61,910	38,985	*	*	11,889	*
Teff	*	*	*	48,495	27,037	*	*	*	*
Barley	-	-	-	*	*	*	*	*	*
Wheat	2,816	805	1,443	26,237	8,552	*	*	8,070	*
Maize	-	-	-	3,011	*	*	*	-	-
Sorghum	-	-	-	*	*	-	-	-	-
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	-	-	-	*	*	*	*	*	*
Horse / Faba beans	-	-	-	*	*	*	*	*	*
Field Peas	-	-	-	-	-	*	*	*	*
Haricot beans	-	-	-	-	-	-	-	-	-
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
<b>Vegetables</b>	-	-	-	*	*	2,712	*	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	*	*	-	-
Ethiopian cabbage	-	-	-	-	-	*	*	*	*
Tomatoes	-	-	-	*	*	-	-	-	-
Green peppers	-	-	-	*	*	*	*	-	-
Red peppers	-	-	-	-	-	*	*	-	-
Swiss chard	-	-	-	-	-	-	-	*	*
<b>Root crops</b>	*	*	-	-	-	6,680	*	*	*
Beetroot	*	*	-	-	-	*	*	*	*
Carrot	*	*	-	-	-	*	*	*	*
Onion	*	*	-	-	-	*	*	*	*
Potatoes	-	-	-	-	-	*	*	-	-
Garlic	*	*	-	-	-	4,290	*	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
<b>Other Temporary</b>	-	-	-	*	*	*	*	-	-
<b>Permanent crops</b>	-	-	-	*	*	*	*	*	*
Avocado	-	-	-	-	-	-	-	-	-
Bananas	-	-	-	*	*	*	*	-	-
Guava	-	-	-	-	-	-	-	-	-
Lemons	-	-	-	-	-	*	*	-	-
Mangoes	-	-	-	-	-	-	-	-	-
Oranges	-	-	-	-	-	*	*	-	-
Papayas	-	-	-	-	-	*	*	-	-
Pineapples	-	-	-	-	-	-	-	-	-
Chat	-	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	*	*	-	-
Hops / 'Geshe'	-	-	-	*	*	*	*	-	-
Enset	-	-	-	*	*	*	*	-	-
Sugar cane	-	-	-	-	-	*	*	-	-
Other permanent	-	-	-	-	-	*	*	*	*

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

**East Shewa**

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
<b>All</b>	425,931	266,920	350,726	88,481	19,387	63,794	55,291	43,229
<b>Cereals</b>	354,898	254,359	339,348	66,997	14,819	56,448	51,249	39,313
Teff	177,959	157,632	196,555	3,666	1,558	40,182	32,357	25,666
Barley	12,595	7,948	12,985	2,726	339	10,636	2,014	2,276
Wheat	82,325	73,830	127,867	3,186	845	25,936	14,884	10,596
Maize	75,392	14,163	1,863	61,419	11,580	5,884	1,771	756
Sorghum	6,388	720	*	5,119	496	*	*	*
Finger millet	*	-	-	-	-	-	-	-
Oats / 'Aja'	*	*	*	-	-	-	-	-
Rice	*	*	-	*	*	-	-	-
<b>Pulses</b>	66,042	9,969	5,076	21,591	3,671	14,711	3,792	2,906
Horse / Faba beans	7,031	1,227	*	11,425	884	*	*	*
Field Peas	9,165	*	*	*	*	*	*	*
Haricot beans	19,604	3,008	1,717	7,714	670	6,983	1,776	1,241
Chick peas	14,436	*	*	-	-	*	*	*
Lentils	10,617	*	1,315	*	*	5,518	*	*
Vetch / Grass peas	5,005	*	*	*	*	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	183	*	*	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	683	*	*	*	*	*	*	*
Neug	*	-	-	-	-	-	-	-
Linseed	269	*	-	*	*	-	-	-
Groundnuts	-	-	-	-	-	-	-	-
Safflower	*	*	*	*	*	*	*	*
Sesame	-	-	-	-	-	-	-	-
Rapeseed	157	*	*	*	*	*	*	*
<b>Vegetables</b>	1,318	746	*	17,364	179	*	*	*
Lettuce	*	*	-	*	*	-	-	-
Head cabbage	*	*	*	*	*	-	-	-
Ethiopian cabbage	205	119	*	8,571	*	*	*	*
Tomatoes	*	*	*	*	*	*	*	*
Green peppers	193	51	*	8,405	51	-	-	-
Red peppers	*	*	*	1,723	*	-	-	-
Swiss chard	*	*	-	*	*	-	-	-
<b>Root crops</b>	1,678	1,112	3,902	11,948	*	*	*	*
Beetroot	*	*	*	*	*	-	-	-
Carrot	*	*	*	*	*	-	-	-
Onion	777	*	*	4,099	43	*	*	*
Potatoes	*	*	-	*	*	-	-	-
Garlic	86	45	*	6,336	36	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	-	*	*	-	-	-
<b>Other Temporary</b>	295	*	*	8,430	84	*	*	*
<b>Permanent crops</b>	1,017	355		15,524	345			
Avocado	*	-	-	-	-			
Bananas	*	*	*	*	*			
Guava	-	-	-	-	-			
Lemons	-	-	-	-	-			
Mangoes	-	-	-	-	-			
Oranges	-	-	-	-	-			
Papayas	*	*	*	*	*			
Pineapples	-	-	-	-	-			
Chat	*	-	-	-	-			
Coffee	*	*	*	*	*			
Hops / 'Gescho'	876	335		14,473	330			
Enset	*	*		*	*			
Sugar cane	*	*		*	*			
Other permanent	*	*		*	*			

(Table 1.4.7 cont'd.)

## East Shewa

[illegible]

(Table 1.4.7 Cont'd.)

## East Shewa

	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
Crop type	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	27,510	11,182	12,083	128,874	153,730	15,367	2,783	29,493	*
Cereals	21,983	8,328	9,804	115,764	143,441	*	1,233	27,647	*
Teff	*	*	*	90,666	88,297	*	*	13,782	*
Barley	*	*	*	24,071	6,175	-	-	*	*
Wheat	11,536	4,111	7,873	75,417	38,368	*	*	19,001	10,819
Maize	10,676	3,739	1,439	21,866	10,507	*	*	8,198	1,462
Sorghum	-	-	-	*	*	-	-	-	-
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	5,984	2,449	2,279	26,697	9,334	*	*	*	*
Horse / Faba beans	-	-	-	2,031	250	-	-	1,677	*
Field Peas	-	-	-	8,842	*	-	-	-	-
Haricot beans	2,369	*	934	*	*	*	*	1,383	*
Chick peas	*	*	*	*	*	*	*	*	*
Lentils	*	*	*	14,830	4,316	-	-	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	*	*
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	*	*	-	-	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	*	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	*	*	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	*	*
Vegetables	*	*	-	*	*	7,105	*	*	*
Lettuce	*	*	-	-	-	*	*	*	*
Head cabbage	*	*	-	-	-	*	*	*	*
Ethiopian cabbage	-	-	-	-	-	*	*	-	-
Tomatoes	*	*	-	*	*	*	*	*	*
Green peppers	-	-	-	-	-	*	*	-	-
Red peppers	-	-	-	*	*	*	*	*	*
Swiss chard	*	*	-	-	-	*	*	*	*
Root crops	1,696	*	-	*	*	6,868	*	2,752	*
Beetroot	*	*	-	-	-	*	*	*	*
Carrot	*	*	-	-	-	*	*	*	*
Onion	*	*	-	*	*	*	*	*	*
Potatoes	-	-	-	-	-	*	*	-	-
Garlic	-	-	-	*	*	-	-	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	-	-	-	-	-	-	-
Other Temporary	-	-	-	*	*	*	*	*	*
Permanent crops				-	-	*	*	*	*
Avocado				-	-	-	-	-	-
Bananas				-	-	*	*	-	-
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	-	-	-	-
Oranges				-	-	-	-	-	-
Papayas				-	-	*	*	*	*
Pineapples				-	-	-	-	-	-
Chat				-	-	-	-	-	-
Coffee	-	-	-	-	-	*	*	-	-
Hops / 'Gescho'				-	-	*	*	*	*
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
<b>All</b>	548,680	364,033	264,258	257,295	43,606	348,928	305,405	238,242
<b>Cereals</b>	415,300	309,014	226,549	158,020	27,280	340,064	271,589	214,760
Teff	81,358	55,810	32,353	14,853	1,919	134,108	50,439	29,461
Barley	67,231	58,558	45,446	22,321	2,562	140,364	55,032	44,600
Wheat	171,815	158,775	139,853	20,695	3,774	260,888	150,299	133,653
Maize	64,523	28,569	7,087	117,886	14,133	71,441	13,668	5,420
Sorghum	27,171	5,476	212	17,530	*	3,732	649	*
Finger millet	*	*	-	*	*	-	-	-
Oats / 'Aja'	3,110	1,774	*	*	*	15,778	1,499	*
Rice	*	*	*	*	*	*	*	*
<b>Pulses</b>	51,739	26,961	14,647	72,098	7,266	91,534	19,249	14,428
Horse / Faba beans	22,715	16,483	8,695	43,736	4,655	61,124	11,765	8,649
Field Peas	12,264	5,798	*	8,415	654	25,101	5,144	*
Haricot beans	9,553	2,073	872	17,387	661	11,065	1,278	755
Chick peas	1,128	*	-	*	*	-	-	-
Lentils	1,748	604	264	*	*	9,928	450	222
Vetch / Grass peas	*	*	*	*	*	*	*	*
Soya beans	*	*	*	*	*	*	*	*
Fenugreek	1,211	379	*	*	*	*	*	*
Gibto	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	49,617	9,599	3,619	19,921	1,968	29,800	7,557	3,602
Neug	*	*	*	*	*	*	*	*
Linseed	44,230	6,965	2,306	4,834	1,310	18,839	5,655	2,306
Groundnuts	*	*	*	*	*	*	*	*
Safflower	*	*	-	*	*	-	-	-
Sesame	*	-	-	-	-	-	-	-
Rapeseed	2,670	2,107	1,272	11,202	354	*	*	1,272
<b>Vegetables</b>	7,200	*	*	71,233	1,114	13,723	*	*
Lettuce	*	*	-	*	*	-	-	-
Head cabbage	*	*	*	*	*	*	*	*
Ethiopian cabbage	437	400	*	35,634	372	2,467	*	*
Tomatoes	*	*	*	*	*	*	*	*
Green peppers	330	305	*	29,861	170	*	*	*
Red peppers	2,771	1,017	*	10,768	382	*	*	*
Swiss chard	*	*	-	*	*	-	-	-
<b>Root crops</b>	10,595	7,425	*	69,895	1,945	29,779	*	*
Beetroot	*	52	*	7,580	*	*	*	*
Carrot	*	*	*	4,326	*	*	*	*
Onion	7,552	*	*	27,147	*	*	*	*
Potatoes	*	*	*	*	*	*	*	*
Garlic	696	474	*	25,945	265	6,159	*	*
Taro 'Godere'	*	*	-	*	*	-	-	-
Sweet potatoes	*	*	-	*	*	-	-	-
<b>Other Temporary</b>	*	*	*	86,716	784	*	*	*
<b>Permanent crops</b>	10,383	3,304		73,721	3,249			
Avocado	*	*		*	*			
Bananas	144	*		*	*			
Guava	*	*		*	*			
Lemons	-	-		-	-			
Mangoes	*	*		1,899	*			
Oranges	*	*		*	*			
Papayas	*	*		*	*			
Pineapples	-	-		-	-			
Chat	3,252	*		14,035	*			
Coffee	*	*		21,627	*			
Hops / 'Gescho'	662	361		28,161	360			
Enset	321	255		28,696	254			
Sugar cane	980	*		*	*			
Other permanent	*	*		3,472	*			



(Table 1.4.8 cont'd.)

# Arsi

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
<b>All</b>	17,893	4,418	*	21,745	10,604	*	510,420	529,369	775,815
<b>Cereals</b>	13,515	3,347	3,814	16,115	6,798	7,975	475,515	398,445	666,789
Teff	3,929	897	*	7,320	2,555	2,232	205,082	80,620	59,549
Barley	*	*	*	*	*	*	207,365	65,560	164,172
Wheat	7,502	1,619	*	10,315	3,083	4,672	301,250	159,069	385,117
Maize	*	*	*	*	*	*	302,590	62,828	45,723
Sorghum	*	*	*	*	*	*	103,620	27,171	6,701
Finger millet	-	-	-	-	-	-	*	*	*
Oats / 'Aja'	-	-	-	*	*	*	36,315	3,110	5,511
Rice	-	-	-	*	*	*	*	*	-
<b>Pulses</b>	*	*	*	*	*	*	268,067	51,486	75,756
Horse / Faba beans	-	-	-	*	*	*	140,411	22,462	41,105
Field Peas	-	-	-	-	-	-	69,270	12,264	22,262
Haricot beans	*	*	*	*	*	*	91,075	9,553	7,484
Chick peas	-	-	-	-	-	-	10,022	1,128	686
Lentils	*	*	*	*	*	*	37,263	1,748	863
Vetch / Grass peas	*	*	*	-	-	-	*	*	*
Soya beans	-	-	-	-	-	-	*	*	*
Fenugreek	*	*	*	-	-	-	27,230	1,211	442
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	*	*	*	*	*	*	151,255	47,534	33,270
Neug	-	-	-	*	*	*	18,612	*	*
Linseed	-	-	-	-	-	-	116,549	42,638	29,541
Groundnuts	*	*	*	-	-	-	*	*	*
Safflower	-	-	-	-	-	-	*	*	*
Sesame	-	-	-	-	-	-	*	*	*
Rapeseed	-	-	-	-	-	-	26,154	2,179	1,314
<b>Vegetables</b>	*	*	*	*	*	*	129,011	7,189	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	-	-	-	-	-	-	5,256	*	-
Ethiopian cabbage	-	-	-	*	*	*	46,166	437	-
Tomatoes	*	*	*	*	*	*	*	*	*
Green peppers	*	*	*	*	*	*	38,623	330	-
Red peppers	*	*	*	-	-	-	42,805	2,771	-
Swiss chard	-	-	-	-	-	-	*	*	-
<b>Root crops</b>	*	*	*	*	*	*	136,137	10,583	-
Beetroot	-	-	-	-	-	-	10,816	*	-
Carrot	-	-	-	-	-	-	7,618	*	-
Onion	*	*	*	*	*	*	71,451	7,552	-
Potatoes	-	-	-	*	*	*	26,779	*	-
Garlic	-	-	-	-	-	-	42,499	694	-
Taro 'Godere'	-	-	-	-	-	-	*	*	-
Sweet potatoes	-	-	-	-	-	-	9,357	*	-
<b>Other Temporary</b>	*	*	*	*	*	*	128,512	*	-
<b>Permanent crops</b>							130,676	10,297	
Avocado							*	*	
Bananas							17,054	144	
Guava							*	*	
Lemons							-	-	
Mangoes							1,701	*	
Oranges							8,836	*	
Papayas							8,514	*	
Pineapples							-	-	
Chat							42,007	3,250	
Coffee							44,325	*	
Hops / 'Gesho'							51,533	662	
Enset							36,912	292	
Sugar cane							13,910	980	
Other permanent							4,310	*	

(Table 1.4.8 Cont'd.)

**Arsi**

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
<b>All</b>	50,171	19,268	32,536	294,627	214,104	23,996	*	88,424	65,167
<b>Cereals</b>	43,465	16,856	30,962	281,768	202,407	*	*	84,008	59,828
Teff	*	*	*	123,211	49,847	-	-	33,366	*
Barley	6,019	*	4,966	71,065	26,894	-	-	25,163	*
Wheat	31,460	12,746	24,666	216,143	119,235	*	*	50,804	20,763
Maize	9,557	*	919	16,178	*	*	*	25,087	*
Sorghum	-	-	-	*	*	-	-	*	*
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	10,931	775	-	-	*	*
Rice	*	*	*	-	-	-	-	*	*
<b>Pulses</b>	*	*	*	14,343	3,440	*	*	9,912	1,029
Horse / Faba beans	*	*	*	*	770	*	*	*	*
Field Peas	-	-	-	*	*	-	-	*	*
Haricot beans	-	-	-	-	-	-	-	*	*
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	*	*	-	-	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	*	*	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	*	*
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	4,836	2,083	1,130	7,492	1,818	-	-	5,472	1,809
Neug	-	-	-	-	-	-	-	*	*
Linseed	3,840	*	*	7,011	1,792	-	-	3,492	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	*	*	*	*	*	-	-	*	*
<b>Vegetables</b>	*	*	-	*	*	*	*	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	*	*	*	*
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	*	*	-	*	*	*	*	*	*
Green peppers	-	-	-	*	*	*	*	-	-
Red peppers	-	-	-	*	*	-	-	*	*
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	*	*	-	*	*	*	*	*	*
Beetroot	*	*	-	-	-	-	-	-	-
Carrot	*	*	-	-	-	-	-	-	-
Onion	-	-	-	*	*	*	*	*	*
Potatoes	-	-	-	*	*	*	*	-	-
Garlic	*	*	-	-	-	-	-	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
<b>Other Temporary</b>	*	*	-	*	*	*	*	*	*
<b>Permanent crops</b>				3,976	*	15,359	1,398	5,446	*
Avocado				-	-	-	-	*	*
Bananas				-	-	4,563	*	*	*
Guava				-	-	*	*	*	*
Lemons				-	-	-	-	-	-
Mangoes				*	*	*	*	*	*
Oranges				-	-	*	*	-	-
Papayas				*	*	*	*	*	*
Pineapples				-	-	-	-	-	-
Chat				*	*	5,406	*	-	-
Coffee	*	*	-	*	*	4,813	*	*	*
Hops / 'Geshe'				*	*	2,465	*	*	*
Enset				*	*	*	*	-	-
Sugar cane				*	*	5,480	*	-	-
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
<b>All</b>	261,847	111,571	27,620	211,362	77,877	55,754	26,129	17,939
<b>Cereals</b>	175,697	75,219	18,966	184,568	50,061	51,641	19,767	12,615
Teff	15,124	8,880	*	27,014	2,904	22,112	*	*
Barley	9,373	4,163	897	39,284	2,149	*	*	672
Wheat	5,493	2,921	2,069	16,940	1,060	8,580	1,285	1,391
Maize	65,755	28,533	7,821	152,202	18,350	34,032	*	4,810
Sorghum	78,048	29,951	3,583	111,843	24,927	12,897	*	1,589
Finger millet	1,645	*	*	11,689	*	*	*	*
Oats / 'Aja'	260	*	*	*	*	*	*	*
Rice	-	-	-	-	-	-	-	-
<b>Pulses</b>	21,631	7,367	1,547	80,576	6,298	12,725	*	713
Horse / Faba beans	*	*	-	*	*	-	-	-
Field Peas	*	*	-	1,557	*	-	-	-
Haricot beans	13,991	5,133	*	62,988	4,370	10,331	*	*
Chick peas	1,448	668	*	*	*	*	*	*
Lentils	1,340	*	-	3,391	*	-	-	-
Vetch / Grass peas	*	*	-	*	*	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	975	496	*	15,999	408	*	*	*
Gibto	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	8,974	2,683	616	31,079	1,838	*	*	438
Neug	29	*	-	*	*	-	-	-
Linseed	1,654	482	*	10,891	222	*	*	*
Groundnuts	3,516	1,168	266	9,863	*	*	*	223
Safflower	*	*	*	*	*	-	-	-
Sesame	3,693	*	*	12,182	*	*	*	*
Rapeseed	*	-	-	-	-	-	-	-
<b>Vegetables</b>	*	*	*	47,279	567	*	*	*
Lettuce	22	16	-	*	16	-	-	-
Head cabbage	*	*	-	*	*	-	-	-
Ethiopian cabbage	*	*	-	*	*	-	-	-
Tomatoes	236	*	*	7,713	*	*	*	*
Green peppers	191	102	-	16,511	102	-	-	-
Red peppers	*	*	*	23,299	323	*	*	*
Swiss chard	-	-	-	-	-	-	-	-
<b>Root crops</b>	5,494	2,393	283	60,609	2,245	2,409	*	*
Beetroot	*	*	-	*	*	-	-	-
Carrot	*	*	-	*	*	-	-	-
Onion	1,883	956	*	21,091	844	*	*	*
Potatoes	*	*	-	*	*	-	-	-
Garlic	*	*	-	*	*	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	3,306	1,297	*	38,152	1,261	*	*	*
<b>Other Temporary</b>	*	1,139	*	64,529	1,047	*	*	*
<b>Permanent crops</b>	43,059	20,342		144,190	15,821			
Avocado	*	*		2,236	*			
Bananas	519	196		19,965	194			
Guava	239	81		12,239	62			
Lemons	15	*		1,550	*			
Mangoes	49	*		3,672	*			
Oranges	52	6		3,683	6			
Papayas	139	65		18,311	65			
Pineapples	-	-		-	-			
Chat	27,330	12,450		99,953	9,472			
Coffee	13,966	7,105		71,202	5,600			
Hops / 'Geshe'	209	175		6,051	*			
Enset	*	*		*	*			
Sugar cane	293	136		7,184	136			
Other permanent	201	80		18,954	80			

(Table 1.4.9 cont'd.)

**West Harerge**

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
<b>All</b>	7,045	*	*	9,814	5,177	7,954	325,897	258,603	100,830
<b>Cereals</b>	6,262	*	*	9,103	3,950	5,278	320,996	172,882	81,979
Teff	*	*	*	*	*	*	77,311	15,124	5,970
Barley	*	*	*	*	*	*	99,621	9,373	9,900
Wheat	*	*	*	*	*	*	52,632	5,466	7,681
Maize	3,800	*	*	5,004	*	2,482	280,540	64,122	32,031
Sorghum	*	*	*	4,593	*	1,818	242,935	76,892	25,741
Finger millet	*	*	*	-	-	-	28,065	1,645	391
Oats / 'Aja'	-	-	-	-	-	-	6,592	260	265
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	*	*	*	*	*	*	176,711	21,578	16,120
Horse / Faba beans	-	-	-	-	-	-	23,287	*	*
Field Peas	-	-	-	-	-	-	6,573	*	*
Haricot beans	*	*	*	*	*	*	143,158	13,939	10,858
Chick peas	*	*	*	*	*	*	15,570	1,448	*
Lentils	-	-	-	-	-	-	20,403	1,340	657
Vetch / Grass peas	-	-	-	-	-	-	*	*	*
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	29,503	975	249
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	*	*	*	*	*	*	106,419	8,919	2,731
Neug	-	-	-	-	-	-	*	29	*
Linseed	*	*	*	*	*	*	47,751	1,654	202
Groundnuts	*	*	*	-	-	-	38,006	3,499	*
Safflower	-	-	-	*	*	*	*	*	*
Sesame	-	-	-	-	-	-	38,026	3,656	453
Rapeseed	-	-	-	-	-	-	*	*	*
<b>Vegetables</b>	*	*	*	*	*	*	78,651	*	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	-	-	-	-	-	-	*	*	-
Ethiopian cabbage	-	-	-	-	-	-	*	*	-
Tomatoes	-	-	-	-	-	-	13,182	177	-
Green peppers	-	-	-	-	-	-	26,113	191	-
Red peppers	*	*	*	*	*	*	42,590	*	-
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	*	*	*	*	*	*	115,328	5,454	-
Beetroot	-	-	-	-	-	-	3,547	*	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	*	*	*	*	*	*	45,914	1,873	-
Potatoes	-	-	-	-	-	-	9,570	*	-
Garlic	-	-	-	-	-	-	3,574	*	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	77,062	3,306	-
<b>Other Temporary</b>	*	*	*	*	*	*	96,225	*	-
<b>Permanent crops</b>							249,126	42,875	
Avocado							2,958	*	
Bananas							46,272	519	
Guava							51,330	239	
Lemons							8,437	15	
Mangoes							14,270	49	
Oranges							15,635	52	
Papayas							35,697	139	
Pineapples							-	-	
Chat							212,409	27,330	
Coffee							136,258	13,790	
Hops / 'Geshe'							13,644	209	
Enset							*	*	
Sugar cane							12,132	293	
Other permanent							42,070	193	

(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
<b>All</b>	26,670	3,244	848	35,912	6,067	37,950	*	40,645	19,859
<b>Cereals</b>	8,352	2,815	777	9,595	1,947	20,762	*	34,360	14,245
Teff	-	-	-	4,660	1,195	-	-	*	*
Barley	-	-	-	*	*	*	*	*	*
Wheat	*	*	*	*	*	*	*	*	*
Maize	6,522	1,632	550	2,998	*	15,154	*	27,489	*
Sorghum	*	*	*	*	*	8,350	653	10,141	*
Finger millet	-	-	-	-	-	-	-	*	*
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	*	*	*	*	*	4,327	*	14,740	857
Horse / Faba beans	-	-	-	-	-	*	*	-	-
Field Peas	*	*	*	-	-	-	-	-	-
Haricot beans	*	*	*	*	*	3,943	109	12,916	693
Chick peas	-	-	-	*	*	-	-	*	*
Lentils	-	-	-	-	-	*	*	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	*	*	*	*	*	*	*	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	*	*
Groundnuts	*	*	*	*	*	-	-	3,929	*
Safflower	-	-	-	-	-	-	-	-	-
Sesame	*	*	*	-	-	*	*	*	*
Rapeseed	-	-	-	-	-	-	-	-	-
<b>Vegetables</b>	*	*	-	*	*	*	*	*	*
Lettuce	*	*	-	-	-	-	-	*	*
Head cabbage	*	*	-	-	-	-	-	*	*
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	*	*	-	*	*	*	*	*	*
Green peppers	-	-	-	*	*	-	-	*	*
Red peppers	-	-	-	-	-	*	*	*	*
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	*	*	-	*	*	2,399	72	*	*
Beetroot	*	*	-	-	-	-	-	*	*
Carrot	*	*	-	-	-	-	-	*	*
Onion	*	*	-	-	-	*	*	*	*
Potatoes	-	-	-	*	*	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	*	*	*	*	-	-
<b>Other Temporary</b>	*	*	-	*	*	*	*	*	*
<b>Permanent crops</b>				26,791	3,947	33,211	3,753	19,737	2,824
Avocado				-	-	-	-	-	-
Bananas				-	-	*	*	*	*
Guava				-	-	3,389	*	-	-
Lemons				-	-	*	*	-	-
Mangoes				*	*	*	*	-	-
Oranges				*	*	*	*	-	-
Papayas				*	*	*	*	-	-
Pineapples				-	-	-	-	-	-
Chat				22,357	3,748	22,798	2,086	11,611	1,267
Coffee	*	*	-	3,483	178	*	*	13,922	*
Hops / 'Gescho'				*	*	*	*	-	-
Enset				-	-	*	*	-	-
Sugar cane				*	*	3,216	87	-	-
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
<b>All</b>	327,079	172,996	187,375	343,989	79,529	38,542	12,541	17,030
<b>Cereals</b>	200,050	107,495	95,969	276,906	45,947	32,972	8,116	8,294
Teff	5,387	*	990	12,516	*	*	*	*
Barley	5,760	2,629	976	47,639	1,427	*	*	*
Wheat	20,213	9,565	7,072	41,877	2,950	7,131	*	*
Maize	62,369	40,264	47,622	221,331	16,460	15,191	1,825	2,472
Sorghum	104,934	51,988	39,080	173,378	23,899	18,907	4,552	4,847
Finger millet	*	*	*	*	*	*	*	*
Oats / 'Aja'	1,051	*	*	12,160	324	-	-	-
Rice	*	*	-	*	*	-	-	-
<b>Pulses</b>	17,160	9,430	20,145	115,012	5,033	*	*	*
Horse / Faba beans	1,429	*	*	11,618	*	*	*	*
Field Peas	*	*	*	*	*	-	-	-
Haricot beans	11,194	6,880	17,893	82,833	3,203	*	*	*
Chick peas	*	*	*	*	*	-	-	-
Lentils	1,564	633	*	17,700	541	-	-	-
Vetch / Grass peas	*	*	-	*	*	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	1,481	807	511	37,924	560	2,289	*	*
Gibto	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	25,649	6,740	3,035	51,616	4,475	5,654	*	*
Neug	-	-	-	-	-	-	-	-
Linseed	2,883	912	981	28,915	630	3,861	*	*
Groundnuts	21,616	5,518	*	22,209	3,641	*	*	*
Safflower	-	-	-	-	-	-	-	-
Sesame	*	*	*	*	*	*	*	*
Rapeseed	-	-	-	-	-	-	-	-
<b>Vegetables</b>	740	623	*	28,801	214	*	*	*
Lettuce	*	*	*	*	*	*	*	*
Head cabbage	*	*	*	*	*	-	-	-
Ethiopian cabbage	*	*	-	*	*	-	-	-
Tomatoes	92	59	-	6,389	59	-	-	-
Green peppers	*	*	*	10,562	57	*	*	*
Red peppers	108	63	-	12,195	63	-	-	-
Swiss chard	*	*	*	-	-	-	-	-
<b>Root crops</b>	20,633	12,375	12,091	132,559	6,073	9,855	*	*
Beetroot	*	*	*	*	*	*	*	*
Carrot	*	*	*	*	*	*	*	*
Onion	1,166	904	*	23,958	382	*	*	*
Potatoes	6,425	5,496	7,585	33,742	1,699	7,797	583	703
Garlic	331	*	*	5,570	*	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	12,208	5,337	3,085	96,408	3,796	*	*	*
<b>Other Temporary</b>	2,156	1,678	1,231	115,362	1,240	*	*	*
<b>Permanent crops</b>	60,690	34,655		252,538	16,547			
Avocado	*	*		*	*			
Bananas	328	163		39,482	142			
Guava	340	*		22,522	*			
Lemons	*	*		*	*			
Mangoes	833	*		*	*			
Oranges	*	*		2,135	*			
Papayas	134	108		11,026	*			
Pineapples	-	-		-	-			
Chat	53,214	30,726		209,659	13,329			
Coffee	4,742	2,589		69,523	2,124			
Hops / 'Gescho'	*	*		-	-			
Enset	*	*		2,759	*			
Sugar cane	*	*		4,682	*			
Other permanent	763	309		64,527	285			

(Table 1.4.10 cont'd.)

**East Harerge**

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
<b>All</b>	97,896	33,939	55,233	128,233	46,987	115,111	504,174	319,808	137,813
<b>Cereals</b>	92,243	22,882	29,143	116,766	30,550	58,532	494,852	194,796	110,118
Teff	2,798	*	*	*	*	*	43,551	5,387	1,995
Barley	3,709	*	*	8,821	*	813	100,887	5,760	7,808
Wheat	13,913	*	1,237	22,943	3,544	5,370	122,236	19,881	30,836
Maize	71,543	8,750	15,502	88,182	13,229	29,648	408,481	58,087	32,889
Sorghum	45,601	11,306	12,047	56,363	12,232	22,187	396,806	104,294	34,377
Finger millet	-	-	-	-	-	-	*	*	*
Oats / 'Aja'	-	-	-	*	*	*	22,860	1,051	*
Rice	-	-	-	-	-	-	*	*	*
<b>Pulses</b>	20,668	*	*	37,617	2,612	12,405	235,423	16,950	13,358
Horse / Faba beans	*	*	*	*	*	*	26,171	1,429	1,375
Field Peas	*	*	*	-	-	-	*	*	*
Haricot beans	14,469	*	*	32,512	2,349	11,456	174,319	10,985	9,302
Chick peas	*	*	*	*	*	*	4,157	*	*
Lentils	*	*	*	*	*	*	41,404	1,564	765
Vetch / Grass peas	-	-	-	-	-	-	*	*	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	*	*	*	3,931	133	*	74,523	1,481	751
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	*	*	*	6,630	*	*	155,343	24,954	14,337
Neug	-	-	-	-	-	-	-	-	-
Linseed	*	*	*	*	*	*	79,523	2,883	628
Groundnuts	*	*	*	*	*	*	79,792	21,435	13,652
Safflower	-	-	-	-	-	-	-	-	-
Sesame	*	*	*	-	-	-	8,271	*	*
Rapeseed	-	-	-	-	-	-	-	-	-
<b>Vegetables</b>	*	*	*	*	*	*	46,580	658	-
Lettuce	*	*	*	*	*	*	*	*	-
Head cabbage	*	*	*	*	*	*	*	*	-
Ethiopian cabbage	-	-	-	-	-	-	*	*	-
Tomatoes	-	-	-	-	-	-	9,839	92	-
Green peppers	*	*	*	*	*	*	18,377	*	-
Red peppers	-	-	-	-	-	-	14,992	108	-
Swiss chard	-	-	-	*	*	*	-	-	-
<b>Root crops</b>	23,759	1,121	1,387	45,605	4,267	9,512	280,874	19,810	-
Beetroot	*	*	*	*	*	*	*	*	-
Carrot	*	*	*	*	*	*	*	*	-
Onion	*	*	*	*	*	*	35,467	818	-
Potatoes	7,885	*	*	30,853	2,775	6,267	89,216	6,385	-
Garlic	*	*	*	*	*	*	13,853	331	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	12,866	*	*	16,720	*	*	212,684	12,195	-
<b>Other Temporary</b>	*	*	*	9,269	*	876	152,552	2,122	-
<b>Permanent crops</b>							459,948	60,517	
Avocado							*	*	
Bananas							60,530	328	
Guava							56,818	340	
Lemons							7,196	*	
Mangoes							45,814	833	
Oranges							6,002	*	
Papayas							17,500	117	
Pineapples							-	-	
Chat							435,119	53,164	
Coffee							96,893	4,638	
Hops / 'Geshe'							*	*	
Enset							4,348	*	
Sugar cane							8,007	*	
Other permanent							134,393	761	

(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
<b>All</b>	57,593	7,271	3,541	26,355	*	56,373	7,056	86,239	30,497
<b>Cereals</b>	32,825	5,254	2,430	22,401	4,753	31,734	2,597	82,909	19,822
Teff	-	-	-	*	*	-	-	*	*
Barley	-	-	-	-	-	*	*	*	*
Wheat	*	*	*	*	*	*	*	*	*
Maize	26,864	4,282	1,500	*	*	25,682	*	64,579	11,090
Sorghum	*	*	*	*	*	11,602	895	26,276	5,547
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	*	*	-	-
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	*	*	*	-	-	9,869	*	35,098	2,717
Horse / Faba beans	-	-	-	-	-	*	*	*	*
Field Peas	-	-	-	-	-	-	-	*	*
Haricot beans	*	*	*	-	-	6,539	*	31,189	2,652
Chick peas	-	-	-	-	-	-	-	*	*
Lentils	-	-	-	-	-	*	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	*	*	2,315	*
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	*	*	*	*	*	*	*	7,361	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	*	*	*	*	*	*
Groundnuts	*	*	*	-	-	*	*	*	*
Safflower	-	-	-	-	-	-	-	-	-
Sesame	*	*	*	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
<b>Vegetables</b>	*	*	-	-	-	*	*	*	*
Lettuce	*	*	-	-	-	-	-	*	*
Head cabbage	*	*	-	-	-	*	*	*	*
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	-	-	-	-	-	*	*	-	-
Green peppers	-	-	-	-	-	-	-	*	*
Red peppers	-	-	-	-	-	*	*	-	-
Swiss chard	*	*	-	-	-	*	*	*	*
<b>Root crops</b>	*	*	-	*	*	20,969	841	22,875	*
Beetroot	*	*	-	-	-	*	*	*	*
Carrot	*	*	-	-	-	*	*	*	*
Onion	*	*	-	-	-	2,628	*	*	*
Potatoes	*	*	-	-	-	4,929	*	*	*
Garlic	-	-	-	-	-	*	*	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	-	*	*	*	*	*	564
<b>Other Temporary</b>	*	*	-	3,942	*	*	*	7,752	*
<b>Permanent crops</b>				*	*	45,963	3,271	55,629	4,615
Avocado				-	-	*	*	-	-
Bananas				-	-	11,783	116	*	*
Guava				-	-	*	*	*	*
Lemons				-	-	-	-	-	-
Mangoes				-	-	2,576	*	*	*
Oranges				-	-	*	*	-	-
Papayas				-	-	-	-	-	-
Pineapples				-	-	-	-	-	-
Chat				*	*	34,370	2,594	54,535	4,423
Coffee	*	*	-	*	*	16,371	436	3,160	*
Hops / 'Geshe'				-	-	*	*	-	-
Enset				-	-	-	-	-	-
Sugar cane				-	-	*	*	*	*
Other permanent				-	-	4,854	*	2,549	*



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
<b>All</b>	352,659	157,440	105,503	39,457	8,433	117,341	147,964	104,982
<b>Cereals</b>	267,576	152,081	104,042	21,610	6,689	115,188	144,352	103,523
Teff	16,928	*	*	*	*	*	*	*
Barley	59,524	29,782	13,465	*	*	53,634	27,670	13,453
Wheat	141,674	108,020	86,686	4,489	2,086	101,808	105,396	86,361
Maize	28,118	7,029	1,229	9,685	1,245	18,152	5,441	1,134
Sorghum	*	*	-	*	*	-	-	-
Finger millet	-	-	-	-	-	-	-	-
Oats / 'Aja'	14,202	6,106	2,536	2,772	410	26,007	5,695	2,536
Rice	-	-	-	-	-	-	-	-
<b>Pulses</b>	25,993	1,509	405	6,161	*	5,470	826	405
Horse / Faba beans	5,589	*	*	*	*	*	*	*
Field Peas	11,562	381	*	*	*	*	*	*
Haricot beans	1,095	*	*	*	*	*	*	*
Chick peas	*	*	*	*	*	*	*	*
Lentils	1,548	*	*	*	*	*	*	*
Vetch / Grass peas	*	*	*	-	-	*	*	*
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	5,000	*	*	*	*	1,957	*	*
Gibto	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	30,732	*	*	*	*	*	*	*
Neug	*	-	-	-	-	-	-	-
Linseed	30,152	*	*	*	*	*	*	*
Groundnuts	-	-	-	-	-	-	-	-
Safflower	*	-	-	-	-	-	-	-
Sesame	*	-	-	-	-	-	-	-
Rapeseed	*	-	-	-	-	-	-	-
<b>Vegetables</b>	*	*	*	6,697	192	*	*	*
Lettuce	*	*	*	-	-	*	*	*
Head cabbage	*	*	*	*	*	*	*	*
Ethiopian cabbage	233	*	-	*	*	-	-	-
Tomatoes	*	*	*	*	*	*	*	*
Green peppers	*	*	*	2,128	*	*	*	*
Red peppers	*	*	*	*	*	*	*	*
Swiss chard	-	-	-	-	-	-	-	-
<b>Root crops</b>	2,298	*	*	6,755	*	2,440	*	*
Beetroot	19	*	*	*	*	*	*	*
Carrot	*	*	*	*	*	*	*	*
Onion	392	*	*	*	*	*	*	*
Potatoes	*	*	*	*	*	*	*	*
Garlic	*	*	*	*	*	*	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	-	*	*	-	-	-
<b>Other Temporary</b>	9,467	*	*	8,869	208	*	*	*
<b>Permanent crops</b>	13,923	260		5,237	*			
Avocado	*	*		*	*			
Bananas	428	*		*	*			
Guava	*	-		-	-			
Lemons	-	-		-	-			
Mangoes	*	*		*	*			
Oranges	*	*		*	*			
Papayas	*	*		*	*			
Pineapples	-	-		-	-			
Chat	4,916	*		*	*			
Coffee	*	-		-	-			
Hops / 'Geshe'	145	*		*	*			
Enset	*	-		-	-			
Sugar cane	*	*		*	*			
Other permanent	*	*		-	-			

(Table 1.4.11 cont'd.)

## Bale

[illegible]

(Table 1.4.11 Cont'd.)

## Bale

	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
Crop type	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
<b>All</b>	5,398	*	*	113,039	131,710	15,543	3,677	108,105	137,666
<b>Cereals</b>	3,213	*	*	111,278	130,616	*	*	107,528	134,252
Teff	-	-	-	17,409	8,843	*	*	3,344	982
Barley	*	*	*	43,136	22,297	*	*	53,581	28,048
Wheat	3,213	*	*	89,302	94,427	-	-	93,060	96,242
Maize	-	-	-	*	*	*	*	14,951	4,045
Sorghum	-	-	-	-	-	-	-	*	*
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	23,567	5,029	-	-	22,461	4,684
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	*	*	*	*	*	*	*	7,219	*
Horse / Faba beans	*	*	-	-	-	-	-	*	*
Field Peas	-	-	-	*	*	-	-	*	*
Haricot beans	-	-	-	-	-	*	*	*	*
Chick peas	-	-	-	-	-	-	-	*	*
Lentils	-	-	-	-	-	-	-	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	*	*
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	*	*	*	*	*	*	*	1,914	*
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	*	*	-	-	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	*	*	-	-	*	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
<b>Vegetables</b>	-	-	-	-	-	*	*	2,206	*
Lettuce	-	-	-	-	-	-	-	*	*
Head cabbage	-	-	-	-	-	*	*	*	*
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	-	-	-	-	-	*	*	*	*
Green peppers	-	-	-	-	-	*	*	*	*
Red peppers	-	-	-	-	-	*	*	*	*
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	*	*	-	-	-	2,035	136	4,720	*
Beetroot	-	-	-	-	-	*	*	*	*
Carrot	*	*	-	-	-	*	*	*	*
Onion	-	-	-	-	-	*	*	*	*
Potatoes	-	-	-	-	-	*	*	2,417	*
Garlic	-	-	-	-	-	*	*	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	*	*	*	*
<b>Other Temporary</b>	-	-	-	*	*	*	*	*	*
<b>Permanent crops</b>				*	*	*	*	1,812	*
Avocado				-	-	*	*	*	*
Bananas				-	-	*	*	-	-
Guava				-	-	*	*	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	*	*	-	-
Oranges				-	-	*	*	-	-
Papayas				-	-	*	*	*	*
Pineapples						-	-	-	-
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
<b>All</b>	66,504	11,918	1,012	56,462	10,731	*	*	*
<b>Cereals</b>	22,586	3,796	698	22,463	3,003	3,107	*	606
Teff	3,030	*	*	*	*	*	*	*
Barley	1,174	*	-	*	*	-	-	-
Wheat	1,278	*	-	*	*	-	-	-
Maize	12,176	2,211	629	18,031	1,583	2,108	*	545
Sorghum	*	*	-	*	*	-	-	-
Finger millet	-	-	-	-	-	-	-	-
Oats / 'Aja'	*	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
<b>Pulses</b>	17,467	906	-	20,421	906	-	-	-
Horse / Faba beans	*	*	-	*	*	-	-	-
Field Peas	*	*	-	*	*	-	-	-
Haricot beans	16,609	895	-	19,331	895	-	-	-
Chick peas	*	*	-	*	*	-	-	-
Lentils	*	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	*	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	*	*	-	*	*	-	-	-
Neug	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Rapeseed	*	*	-	*	*	-	-	-
<b>Vegetables</b>	573	260	-	23,899	260	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	*	*	-	-	-
Ethiopian cabbage	470	212	-	21,362	212	-	-	-
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	73	42	-	5,024	42	-	-	-
Red peppers	*	*	-	*	*	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
<b>Root crops</b>	*	*	*	8,059	*	*	*	*
Beetroot	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	-	-
Potatoes	*	*	-	*	*	-	-	-
Garlic	*	*	-	*	*	-	-	-
Taro 'Godere'	*	*	*	*	*	*	*	*
Sweet potatoes	*	*	*	4,442	*	*	*	*
<b>Other Temporary</b>	555	164	-	15,238	164	-	-	-
<b>Permanent crops</b>	24,371	6,309	-	43,337	6,226	-	-	-
Avocado	123	63	-	6,854	63	-	-	-
Bananas	831	*	-	10,317	*	-	-	-
Guava	*	*	-	*	*	-	-	-
Lemons	*	*	-	*	*	-	-	-
Mangoes	*	*	-	*	*	-	-	-
Oranges	*	*	-	1,121	*	-	-	-
Papayas	*	*	-	4,093	*	-	-	-
Pineapples	*	-	-	-	-	-	-	-
Chat	*	*	-	3,430	*	-	-	-
Coffee	12,595	2,686	-	28,414	2,654	-	-	-
Hops / 'Geshe'	*	*	-	*	*	-	-	-
Enset	8,202	2,776	-	34,976	2,771	-	-	-
Sugar cane	465	127	-	5,736	126	-	-	-
Other permanent	35	*	-	*	*	-	-	-

(Table 1.4.12 cont'd.)

**Borena**

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
<b>All</b>	*	*	*	*	*	*	122,498	64,889	12,377
<b>Cereals</b>	*	*	*	*	*	*	83,136	21,880	7,216
Teff	-	-	-	*	*	*	17,173	3,030	980
Barley	-	-	-	-	-	-	12,263	1,174	1,270
Wheat	-	-	-	-	-	-	10,733	1,278	844
Maize	*	*	*	-	-	-	61,096	11,470	3,851
Sorghum	-	-	-	-	-	-	12,068	*	*
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	*	*	*
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	-	-	-	-	-	-	74,073	17,467	5,155
Horse / Faba beans	-	-	-	-	-	-	7,779	*	*
Field Peas	-	-	-	-	-	-	*	*	*
Haricot beans	-	-	-	-	-	-	71,225	16,609	4,750
Chick peas	-	-	-	-	-	-	1,235	*	*
Lentils	-	-	-	-	-	-	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	*	*	*
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	-	-	-	*	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	*	*	*
<b>Vegetables</b>	-	-	-	-	-	-	37,723	555	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	*	*	-
Ethiopian cabbage	-	-	-	-	-	-	34,720	470	-
Tomatoes	-	-	-	-	-	-	1,162	*	-
Green peppers	-	-	-	-	-	-	7,756	73	-
Red peppers	-	-	-	-	-	-	*	*	-
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	*	*	*	*	*	*	20,949	*	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	*	*	-
Garlic	-	-	-	-	-	-	*	*	-
Taro 'Godere'	-	-	-	-	-	-	*	*	-
Sweet potatoes	*	*	*	*	*	*	15,119	*	-
<b>Other Temporary</b>	-	-	-	-	-	-	24,856	553	-
<b>Permanent crops</b>							80,596	23,482	
Avocado							13,803	122	
Bananas							25,357	831	
Guava							*	*	
Lemons							1,403	*	
Mangoes							*	*	
Oranges							2,948	*	
Papayas							6,693	*	
Pineapples							*	*	
Chat							13,671	*	
Coffee							65,589	11,708	
Hops / 'Geshe'							*	*	
Enset							64,924	8,201	
Sugar cane							14,419	465	
Other permanent							6,215	35	

(Table 1.4.12 Cont'd.)

## Borena

	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
Crop type	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	12,363	1,615	250	2,719	378	*	*	*	*
Cereals	2,060	*	250	*	*	*	*	*	*
Teff	-	-	-	*	*	-	-	*	*
Barley	-	-	-	-	-	-	-	-	-
Wheat	-	-	-	*	*	-	-	-	-
Maize	2,060	*	250	*	*	*	*	*	*
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				-	-	-	-	-	-
Chat				*	*	-	-	-	-
Coffee	9,503	887	-	*	*	*	*	*	*
Hops / ‘Gesho’				-	-	-	-	-	-
Enset				*	*	*	*	-	-
Sugar cane				-	-	*	*	-	-
Other permanent				-	-	-	-	-	-

Table1.4.13. Number of Holders, Inputs Applied Area and Quantity of Inputs used

**South West Shewa**

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
<b>All</b>	296,332	209,768	250,810	155,939	22,569	36,787	20,032	16,726
<b>Cereals</b>	220,792	191,978	242,073	103,993	11,632	32,136	17,225	13,553
Teff	133,732	119,810	143,560	5,369	*	12,992	*	*
Barley	14,221	10,927	13,018	8,175	*	13,815	5,138	6,032
Wheat	48,646	47,303	80,526	7,416	908	11,432	2,854	3,189
Maize	19,136	13,112	4,653	95,289	8,936	3,041	414	161
Sorghum	4,742	609	*	9,417	568	*	*	*
Finger millet	*	-	-	-	-	-	-	-
Oats / 'Aja'	273	217	288	*	*	*	*	*
Rice	*	*	-	*	*	-	-	-
<b>Pulses</b>	56,158	6,855	6,242	27,431	1,849	11,483	2,737	3,070
Horse / Faba beans	8,113	3,094	2,436	21,680	1,239	7,754	1,130	1,318
Field Peas	4,108	2,627	3,059	2,914	125	6,377	1,458	1,610
Haricot beans	*	44	*	4,093	37	-	-	-
Chick peas	25,545	*	*	1,195	*	*	*	*
Lentils	5,554	475	*	*	*	*	*	*
Vetch / Grass peas	11,148	*	*	*	*	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	*	*	*	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	7,358	321	*	12,763	183	-	-	-
Neug	4,597	*	*	*	*	-	-	-
Linseed	2,402	*	*	*	*	-	-	-
Groundnuts	*	*	*	*	*	-	-	-
Safflower	*	*	-	*	*	-	-	-
Sesame	*	-	-	-	-	-	-	-
Rapeseed	160	148	*	11,641	139	-	-	-
<b>Vegetables</b>	*	*	*	92,235	528	*	*	*
Lettuce	*	*	-	*	*	-	-	-
Head cabbage	26	23	*	11,501	20	-	-	-
Ethiopian cabbage	395	375	*	76,848	375	-	-	-
Tomatoes	*	*	*	3,497	*	-	-	-
Green peppers	140	128	*	44,531	95	*	*	*
Red peppers	*	*	*	*	*	-	-	-
Swiss chard	*	*	-	*	*	-	-	-
<b>Root crops</b>	696	577	*	51,806	305	*	*	*
Beetroot	18	16	-	14,067	16	-	-	-
Carrot	3	1	*	2,586	1	-	-	-
Onion	*	*	*	*	*	-	-	-
Potatoes	324	310	*	17,676	200	*	*	*
Garlic	64	59	*	24,569	54	*	*	*
Taro 'Godere'	*	*	-	*	*	-	-	-
Sweet potatoes	*	*	*	*	*	-	-	-
<b>Other Temporary</b>	588	458	*	56,812	450	-	-	-
<b>Permanent crops</b>	8,494	7,635		103,150	7,623			
Avocado	5	*		*	*			
Bananas	38	36		10,793	36			
Guava	*	*		*	*			
Lemons	4	3		2,111	3			
Mangoes	*	*		*	*			
Oranges	*	*		*	*			
Papayas	*	*		2,990	*			
Pineapples	-	-		-	-			
Chat	1,448	871		24,608	871			
Coffee	160	122		13,826	122			
Hops / 'Gescho'	271	189		37,102	189			
Enset	6,453	6,305		85,221	6,296			
Sugar cane	45	43		10,692	43			
Other permanent	24	21		10,236	*			

(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
<b>All</b>	8,072	*	*	148,615	165,168	232,833	200,986	292,728	283,456
<b>Cereals</b>	5,269	1,234	504	145,913	161,887	228,016	192,608	217,356	213,644
Teff	2,208	838	267	125,100	109,601	139,177	151,940	133,043	78,085
Barley	*	*	*	21,143	5,161	6,915	48,848	14,132	30,380
Wheat	*	*	*	99,870	43,423	77,274	120,071	47,043	93,911
Maize	*	*	*	14,642	3,556	4,392	127,227	18,081	9,663
Sorghum	-	-	-	*	*	*	32,153	4,742	1,148
Finger millet	-	-	-	-	-	-	*	*	*
Oats / 'Aja'	*	*	*	1,309	136	*	3,017	273	448
Rice	-	-	-	-	-	-	*	*	-
<b>Pulses</b>	*	*	*	14,569	2,141	3,047	141,418	56,013	67,845
Horse / Faba beans	-	-	-	7,599	726	1,118	77,933	8,113	15,772
Field Peas	*	*	*	4,422	969	1,332	22,938	4,108	8,348
Haricot beans	-	-	-	*	*	*	16,229	*	*
Chick peas	-	-	-	*	*	*	66,646	25,452	27,179
Lentils	*	*	*	2,514	241	*	29,237	5,501	3,966
Vetch / Grass peas	-	-	-	*	*	*	53,998	11,148	11,428
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	*	*	*	5,082	*	*
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	1,594	*	*	39,137	7,358	1,967
Neug	-	-	-	*	*	*	15,198	4,597	*
Linseed	-	-	-	*	*	*	11,950	2,402	1,076
Groundnuts	-	-	-	*	*	*	*	*	*
Safflower	-	-	-	-	-	-	*	*	*
Sesame	-	-	-	-	-	-	*	*	*
Rapeseed	-	-	-	*	*	*	13,477	160	37
<b>Vegetables</b>	*	*	*	*	*	*	104,584	*	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	-	-	-	*	*	*	13,087	24	-
Ethiopian cabbage	-	-	-	*	*	*	79,904	395	-
Tomatoes	-	-	-	*	*	*	3,951	*	-
Green peppers	-	-	-	*	*	*	51,749	140	-
Red peppers	*	*	*	*	*	*	*	*	-
Swiss chard	-	-	-	-	-	-	*	*	-
<b>Root crops</b>	-	-	-	5,932	*	*	62,235	695	-
Beetroot	-	-	-	*	*	-	15,695	18	-
Carrot	-	-	-	*	*	*	3,082	2	-
Onion	-	-	-	*	*	*	8,792	*	-
Potatoes	-	-	-	*	*	*	22,742	324	-
Garlic	-	-	-	*	*	*	29,004	64	-
Taro 'Godere'	-	-	-	-	-	-	*	*	-
Sweet potatoes	-	-	-	*	*	*	*	*	-
<b>Other Temporary</b>	*	*	*	*	*	*	69,216	588	-
<b>Permanent crops</b>							110,482	8,474	
Avocado							*	5	
Bananas							11,915	38	
Guava							993	*	
Lemons							2,794	4	
Mangoes							1,497	*	
Oranges							3,918	*	
Papayas							4,277	*	
Pineapples							-	-	
Chat							31,815	1,447	
Coffee							13,122	141	
Hops / 'Geshe'							48,821	271	
Enset							89,261	6,453	
Sugar cane							12,792	45	
Other permanent							14,674	24	



(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
<b>All</b>	14,966	3,604	3,788	135,968	133,986	13,783	848	20,137	11,399
<b>Cereals</b>	9,452	3,436	3,600	135,760	132,495	*	*	18,824	10,598
Teff	1,873	689	356	115,311	87,327	-	-	5,368	*
Barley	*	*	*	21,860	4,453	*	*	*	*
Wheat	4,844	1,603	2,936	90,693	39,648	*	*	11,402	4,011
Maize	3,453	1,055	197	3,255	841	*	*	7,594	2,093
Sorghum	-	-	-	*	*	-	-	-	-
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	865	*	-	-	*	*
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	*	*	*	*	*	*	*	2,194	*
Horse / Faba beans	-	-	-	-	-	*	*	1,306	55
Field Peas	-	-	-	-	-	-	-	*	*
Haricot beans	-	-	-	-	-	-	-	-	-
Chick peas	*	*	*	*	*	*	*	*	*
Lentils	*	*	*	*	*	-	-	*	*
Vetch / Grass peas	-	-	-	*	*	-	-	*	*
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	4,299	941	-	-	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	4,299	941	-	-	*	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	*	*
<b>Vegetables</b>	*	*	-	*	*	7,830	59	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	-	-	1,181	*	-	-
Ethiopian cabbage	*	*	-	-	-	3,955	*	*	*
Tomatoes	-	-	-	-	-	*	*	-	-
Green peppers	-	-	-	*	*	4,552	12	-	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	*	*	-	-
<b>Root crops</b>	*	*	-	-	-	6,065	*	*	*
Beetroot	*	*	-	-	-	1,184	*	-	-
Carrot	*	*	-	-	-	*	*	*	*
Onion	-	-	-	-	-	*	*	-	-
Potatoes	-	-	-	-	-	*	*	-	-
Garlic	-	-	-	-	-	*	*	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	*	*	-	-
<b>Other Temporary</b>	-	-	-	-	-	*	*	-	-
<b>Permanent crops</b>				*	*	*	*	*	*
Avocado				-	-	*	*	-	-
Bananas				-	-	*	*	*	*
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	-	-	-	-
Oranges				-	-	-	-	-	-
Papayas				-	-	-	-	-	-
Pineapples				-	-	-	-	-	-
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
<b>All</b>	137,246	30,008	3,589	99,592	27,123	6,179	1,897	2,499
<b>Cereals</b>	79,871	13,197	3,399	50,628	10,427	6,179	1,826	2,314
Teff	14,324	*	*	*	*	*	*	*
Barley	22,918	5,980	563	20,206	5,334	1,362	*	*
Wheat	15,684	2,104	*	7,214	*	*	589	*
Maize	26,579	4,004	1,433	38,170	2,869	2,492	724	899
Sorghum	*	-	-	-	-	-	-	-
Finger millet	*	*	-	*	*	-	-	-
Oats / 'Aja'	*	*	-	*	*	-	-	-
Rice	-	-	-	-	-	-	-	-
<b>Pulses</b>	13,946	3,656	*	32,891	3,547	*	*	*
Horse / Faba beans	4,317	1,767	-	21,410	1,741	-	-	-
Field Peas	4,719	1,165	*	8,216	1,083	*	*	*
Haricot beans	3,638	*	-	8,537	*	-	-	-
Chick peas	*	-	-	-	-	-	-	-
Lentils	*	*	-	*	*	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	*	*	-	*	*	-	-	-
Gibto	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	57	*	*	*	*	-	-	-
Neug	-	-	-	-	-	-	-	-
Linseed	*	-	-	-	-	-	-	-
Groundnuts	*	*	*	-	-	-	-	-
Safflower	*	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Rapeseed	*	*	-	*	*	-	-	-
<b>Vegetables</b>	2,265	1,193	-	70,934	1,193	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	*	*	-	-	-
Ethiopian cabbage	2,008	1,071	-	67,251	1,071	-	-	-
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	168	34	-	9,325	34	-	-	-
Red peppers	*	*	-	*	*	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
<b>Root crops</b>	682	236	-	12,494	236	-	-	-
Beetroot	*	*	-	*	*	-	-	-
Carrot	*	*	-	*	*	-	-	-
Onion	*	*	-	*	*	-	-	-
Potatoes	222	*	-	5,066	*	-	-	-
Garlic	*	*	-	1,689	*	-	-	-
Taro 'Godere'	*	*	-	*	*	-	-	-
Sweet potatoes	371	*	-	*	*	-	-	-
<b>Other Temporary</b>	492	*	-	21,532	*	-	-	-
<b>Permanent crops</b>	39,934	11,436	-	78,575	11,430	-	-	-
Avocado	*	*	-	*	*	-	-	-
Bananas	966	*	-	4,944	*	-	-	-
Guava	*	*	-	*	*	-	-	-
Lemons	-	-	-	-	-	-	-	-
Mangoes	-	-	-	-	-	-	-	-
Oranges	*	*	-	*	*	-	-	-
Papayas	*	*	-	*	*	-	-	-
Pineapples	-	-	-	-	-	-	-	-
Chat	380	*	-	*	*	-	-	-
Coffee	12,593	*	-	20,888	*	-	-	-
Hops / 'Gescho'	38	*	-	*	*	-	-	-
Enset	24,588	8,044	-	74,666	8,039	-	-	-
Sugar cane	943	*	-	2,676	*	-	-	-
Other permanent	*	*	-	2,155	*	-	-	-

(Table 1.4.14 cont'd.)

## Guji

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
<b>All</b>	3,129	957	*	*	*	*	212,455	136,643	86,104
<b>Cereals</b>	2,871	*	*	*	*	*	176,255	79,595	74,805
Teff	-	-	-	-	-	-	40,897	14,228	5,548
Barley	2,001	397	*	-	-	-	87,801	22,918	31,519
Wheat	*	*	*	-	-	-	54,558	15,684	21,258
Maize	*	*	*	*	*	*	130,461	26,400	16,178
Sorghum	-	-	-	-	-	-	*	*	*
Finger millet	-	-	-	-	-	-	*	*	*
Oats / 'Aja'	-	-	-	-	-	-	*	*	-
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	*	*	*	-	-	-	99,444	13,946	11,278
Horse / Faba beans	*	*	-	-	-	-	56,669	4,317	3,849
Field Peas	*	*	*	-	-	-	30,380	4,719	3,826
Haricot beans	-	-	-	-	-	-	35,063	3,638	*
Chick peas	-	-	-	-	-	-	*	*	*
Lentils	-	-	-	-	-	-	1,258	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	*	*	*
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	*	*	*	-	-	-	6,463	57	21
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	3,116	*	18
Groundnuts	*	*	*	-	-	-	*	*	*
Safflower	-	-	-	-	-	-	*	*	*
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	3,343	*	*
<b>Vegetables</b>	-	-	-	-	-	-	124,371	2,265	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	*	*	-
Ethiopian cabbage	-	-	-	-	-	-	119,173	2,008	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	20,411	168	-
Red peppers	-	-	-	-	-	-	*	*	-
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	-	-	-	-	-	-	33,732	682	-
Beetroot	-	-	-	-	-	-	*	*	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	-	-	-	-	-	-	*	*	-
Potatoes	-	-	-	-	-	-	9,242	222	-
Garlic	-	-	-	-	-	-	3,437	*	-
Taro 'Godere'	-	-	-	-	-	-	*	*	-
Sweet potatoes	-	-	-	-	-	-	16,762	371	-
<b>Other Temporary</b>	-	-	-	-	-	-	39,925	492	-
<b>Permanent crops</b>							161,084	39,606	
Avocado							10,939	*	
Bananas							25,999	966	
Guava							*	*	
Lemons							-	-	
Mangoes							-	-	
Oranges							1,845	*	
Papayas							*	*	
Pineapples							-	-	
Chat							7,541	379	
Coffee							65,368	12,273	
Hops / 'Gesho'							2,655	38	
Enset							153,475	24,584	
Sugar cane							17,616	943	
Other permanent							3,997	*	

(Table 1.4.14 Cont'd.)

## Guj

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
<b>All</b>	4,154	603	*	13,648	2,681	*	*	*	246
<b>Cereals</b>	*	*	*	8,493	2,102	-	-	*	*
Teff	*	*	-	*	*	-	-	-	-
Barley	-	-	-	*	*	-	-	-	-
Wheat	-	-	-	*	*	-	-	*	*
Maize	*	*	*	2,817	248	-	-	*	*
Sorghum	-	-	-	-	-	-	-	-	-
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	-	-	-	*	*	*	*	*	*
Horse / Faba beans	-	-	-	*	*	-	-	-	-
Field Peas	-	-	-	*	*	*	*	*	*
Haricot beans	-	-	-	*	*	-	-	-	-
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
<b>Vegetables</b>	-	-	-	2,744	39	*	*	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	*	*	*	*	-	-
Ethiopian cabbage	-	-	-	*	*	*	*	*	*
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	*	*	-	-	-	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	-	-	-	*	*	*	*	-	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	-	-	-
Potatoes	-	-	-	*	*	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	*	*	-	-
<b>Other Temporary</b>	-	-	-	-	-	-	-	*	*
<b>Permanent crops</b>				*	*	*	*	*	*
Avocado				-	-	-	-	-	-
Bananas				*	*	-	-	-	-
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	-	-	-	-
Oranges				-	-	-	-	-	-
Papayas				-	-	*	*	-	-
Pineapples				-	-	-	-	-	-
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
<b>All</b>	152,736	18,123	8,129	62,125	12,414	3,543	700	450
<b>Cereals</b>	110,839	14,897	7,508	44,142	10,374	3,154	599	408
Teff	10,798	787	306	1,994	333	1,189	289	167
Barley	2,680	373	88	5,624	354	-	-	-
Wheat	7,273	485	360	3,285	266	-	-	-
Maize	44,771	10,475	6,304	39,144	7,207	1,371	167	166
Sorghum	29,128	1,635	290	8,793	1,427	*	*	*
Finger millet	16,165	1,142	160	5,131	787	572	133	72
Oats / 'Aja'	23	-	-	-	-	-	-	-
Rice	*	-	-	-	-	-	-	-
<b>Pulses</b>	11,672	879	25	15,426	861	-	-	-
Horse / Faba beans	4,350	453	-	8,247	453	-	-	-
Field Peas	1,044	82	-	2,294	82	-	-	-
Haricot beans	4,857	296	25	9,375	291	-	-	-
Chick peas	1,171	10	-	173	10	-	-	-
Lentils	34	24	-	219	11	-	-	-
Vetch / Grass peas	30	-	-	-	-	-	-	-
Soya beans	34	*	*	-	-	-	-	-
Fenugreek	152	16	-	1,075	16	-	-	-
Gibto	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	8,121	1,241	546	2,607	114	198	80	12
Neug	2,695	21	-	566	21	-	-	-
Linseed	550	*	*	*	*	-	-	-
Groundnuts	82	*	*	*	*	*	*	*
Safflower	29	2	-	187	2	-	-	-
Sesame	4,420	1,084	291	-	-	151	80	11
Rapeseed	345	116	243	1,759	90	-	-	-
<b>Vegetables</b>	1,365	271	13	22,063	244	240	19	9
Lettuce	*	*	-	211	*	-	-	-
Head cabbage	40	8	-	2,222	8	-	-	-
Ethiopian cabbage	28	13	-	853	13	-	-	-
Tomatoes	1	-	-	-	-	-	-	-
Green peppers	112	11	*	1,037	11	-	-	-
Red peppers	1,183	240	12	19,557	212	240	19	9
Swiss chard	1	*	-	423	*	-	-	-
<b>Root crops</b>	888	94	5	11,876	90	*	*	*
Beetroot	23	1	*	1,581	1	-	-	-
Carrot	3	*	-	211	*	-	-	-
Onion	34	8	-	1,207	8	-	-	-
Potatoes	99	*	-	*	*	-	-	-
Garlic	32	8	-	1,883	8	-	-	-
Taro 'Godere'	95	13	-	3,524	13	-	-	-
Sweet potatoes	602	65	4	5,776	60	*	*	*
<b>Other Temporary</b>	662	168	13	11,799	162	*	*	*
<b>Permanent crops</b>	19,188	572		19,204	570			
Avocado	1	1		211	1			
Bananas	665	54		7,769	54			
Guava	*	-		-	-			
Lemons	2	-		-	-			
Mangoes	183	8		1,594	8			
Oranges	17	4		467	4			
Papayas	30	1		645	1			
Pineapples	-	-		-	-			
Chat	834	85		5,048	85			
Coffee	16,902	372		6,627	371			
Hops / 'Geshe'	73	5		1,477	5			
Enset	351	40		4,453	39			
Sugar cane	98	*		211	*			
Other permanent	32	1		578	1			

(Table 1.4.15 cont'd.)

**Kelem**

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
<b>All</b>	2,621	1,091	397	16,223	3,918	7,283	149,183	149,863	55,032
<b>Cereals</b>	1,649	268	177	15,897	3,657	6,923	146,819	108,063	46,500
Teff	-	-	-	1,105	165	139	48,967	10,798	5,128
Barley	-	-	-	391	19	88	34,322	2,680	2,858
Wheat	165	29	5	426	191	355	42,957	7,273	10,057
Maize	1,374	187	155	14,196	2,914	5,983	139,859	42,004	14,538
Sorghum	272	51	16	763	148	272	113,141	29,120	8,570
Finger millet	*	*	*	953	221	86	87,617	16,165	5,306
Oats / 'Aja'	-	-	-	-	-	-	864	23	43
Rice	-	-	-	-	-	-	*	*	*
<b>Pulses</b>	*	*	*	203	14	20	91,047	11,666	7,386
Horse / Faba beans	-	-	-	-	-	-	42,746	4,350	3,325
Field Peas	-	-	-	-	-	-	12,778	1,044	550
Haricot beans	*	*	*	203	2	20	66,946	4,857	2,872
Chick peas	-	-	-	-	-	-	5,911	1,171	558
Lentils	-	-	-	203	13	-	1,230	34	20
Vetch / Grass peas	-	-	-	-	-	-	979	30	14
Soya beans	*	*	*	-	-	-	615	28	10
Fenugreek	-	-	-	-	-	-	5,764	152	39
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	1,137	808	208	743	239	326	41,580	8,121	1,146
Neug	-	-	-	-	-	-	15,405	2,695	585
Linseed	*	*	*	-	-	-	9,802	550	41
Groundnuts	95	*	*	*	*	*	3,569	82	28
Safflower	-	-	-	-	-	-	2,059	29	3
Sesame	1,108	794	206	336	211	73	13,186	4,420	459
Rapeseed	-	-	-	392	26	243	8,287	345	29
<b>Vegetables</b>	326	8	3	78	*	1	70,032	1,364	-
Lettuce	-	-	-	-	-	-	423	*	-
Head cabbage	-	-	-	-	-	-	6,141	40	-
Ethiopian cabbage	-	-	-	-	-	-	3,216	28	-
Tomatoes	-	-	-	-	-	-	326	1	-
Green peppers	-	-	-	*	*	*	6,584	112	-
Red peppers	326	8	3	63	*	*	61,796	1,183	-
Swiss chard	-	-	-	-	-	-	1,033	1	-
<b>Root crops</b>	307	4	3	*	*	*	52,049	887	-
Beetroot	-	-	-	*	*	*	3,996	23	-
Carrot	-	-	-	-	-	-	1,006	3	-
Onion	-	-	-	-	-	-	3,291	34	-
Potatoes	-	-	-	-	-	-	2,965	99	-
Garlic	-	-	-	-	-	-	8,571	32	-
Taro 'Godere'	-	-	-	-	-	-	16,945	95	-
Sweet potatoes	307	4	3	*	*	*	29,450	601	-
<b>Other Temporary</b>	-	-	-	307	6	13	45,851	662	-
<b>Permanent crops</b>							117,640	19,099	
Avocado							428	1	
Bananas							53,768	663	
Guava							*	*	
Lemons							315	2	
Mangoes							21,645	183	
Oranges							3,323	17	
Papayas							6,703	30	
Pineapples							-	-	
Chat							27,320	834	
Coffee							91,772	16,815	
Hops / 'Geshe'							13,519	73	
Enset							39,694	351	
Sugar cane							6,494	98	
Other permanent							7,527	32	

(Table 1.4.15 Cont'd.)

**Kelem**

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
<b>All</b>	15,282	2,873	777	29,192	9,411	1,520	78	14,350	2,918
<b>Cereals</b>	13,645	2,776	776	28,833	9,255	556	63	13,450	2,481
Teff	-	-	-	15,388	3,746	-	-	373	119
Barley	-	-	-	3,529	478	-	-	391	19
Wheat	-	-	-	8,265	1,560	-	-	-	-
Maize	13,588	2,768	774	2,560	468	388	27	12,800	2,298
Sorghum	*	*	*	4,477	819	-	-	*	*
Finger millet	-	-	-	12,040	2,178	168	36	421	35
Oats / 'Aja'	-	-	-	159	7	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	92	*	1	353	23	-	-	409	21
Horse / Faba beans	-	-	-	159	14	-	-	204	10
Field Peas	-	-	-	-	-	-	-	204	7
Haricot beans	-	-	-	193	9	-	-	205	4
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	92	*	1	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	2,592	131	-	-	219	14
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	2,592	131	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	*	*
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	205	14
<b>Vegetables</b>	*	*	-	193	1	*	*	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	-	-	*	*
Red peppers	*	*	-	193	1	*	*	*	*
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	*	*	-	211	1	178	4	*	*
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	159	2	-	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	-	211	1	*	*	*	*
<b>Other Temporary</b>	-	-	-	-	-	-	-	*	*
<b>Permanent crops</b>				165	*	798	10	904	400
Avocado				-	-	-	-	-	-
Bananas				165	*	*	*	187	1
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	-	-	-	-
Oranges				-	-	-	-	-	-
Papayas				-	-	*	*	-	-
Pineapples				-	-	-	-	-	-
Chat				-	-	*	*	*	*
Coffee	1,537	87	-	-	-	187	2	702	399
Hops / 'Gescho'				-	-	-	-	-	-
Enset				-	-	-	-	-	-
Sugar cane				-	-	591	8	-	-
Other permanent				-	-	-	-	-	-

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

**Horogudur**

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
<b>All</b>	204,034	116,615	141,275	63,349	14,605	53,750	49,667	44,289
<b>Cereals</b>	141,744	103,649	131,149	44,998	8,876	52,469	44,763	39,911
Teff	51,164	43,119	34,879	4,863	1,399	47,258	35,656	29,969
Barley	12,336	3,376	1,626	11,610	1,525	5,135	1,340	1,047
Wheat	29,989	24,809	38,863	5,004	550	11,035	4,535	4,937
Maize	37,976	31,468	55,343	36,973	5,054	12,900	2,845	3,773
Sorghum	8,620	315	282	1,220	152	*	*	*
Finger millet	1,506	548	156	1,124	182	775	366	156
Oats / 'Aja'	151	14	-	687	14	-	-	-
Rice	*	-	-	-	-	-	-	-
<b>Pulses</b>	16,864	7,506	4,687	24,808	3,030	10,431	3,358	3,275
Horse / Faba beans	10,333	4,710	2,664	17,396	2,177	7,548	1,769	1,732
Field Peas	6,076	2,674	1,621	3,927	746	4,832	1,585	1,170
Haricot beans	201	8	4	664	4	*	*	*
Chick peas	33	27	-	383	27	-	-	-
Lentils	19	-	-	-	-	-	-	-
Vetch / Grass peas	*	-	-	-	-	-	-	-
Soya beans	*	*	*	-	-	-	-	-
Fenugreek	176	81	372	10,613	77	300	4	372
Gibto	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	42,520	4,452	4,630	15,542	1,771	5,172	1,521	867
Neug	34,127	2,343	237	2,126	1,090	1,644	1,179	151
Linseed	457	115	100	428	77	186	11	15
Groundnuts	1,521	9	*	*	*	*	*	*
Safflower	63	-	-	-	-	-	-	-
Sesame	4,265	778	495	161	28	243	127	118
Rapeseed	2,087	1,208	3,781	13,245	575	3,246	203	581
<b>Vegetables</b>	729	151	32	21,265	133	202	2	22
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	26	3	*	2,268	3	-	-	-
Ethiopian cabbage	3	1	-	418	1	-	-	-
Tomatoes	*	-	-	-	-	-	-	-
Green peppers	467	55	-	13,275	55	-	-	-
Red peppers	227	91	32	6,765	73	202	2	22
Swiss chard	3	*	-	151	*	-	-	-
<b>Root crops</b>	630	243	106	30,211	235	451	4	80
Beetroot	18	7	*	4,827	7	*	*	*
Carrot	3	3	*	2,501	3	*	*	*
Onion	59	34	*	8,266	34	*	*	*
Potatoes	89	42	-	2,284	42	-	-	-
Garlic	312	144	76	25,078	140	372	3	75
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	149	13	*	371	10	*	*	*
<b>Other Temporary</b>	339	155	522	14,600	128	257	3	80
<b>Permanent crops</b>	1,209	460		20,793	432			
Avocado	*	-	-	-	-	-	-	-
Bananas	71	4		1,434	4			
Guava	-	-	-	-	-	-	-	-
Lemons	1	1		300	1			
Mangoes	37	*		241	*			
Oranges	2	*		151	*			
Papayas	1	*		144	*			
Pineapples	-	-	-	-	-	-	-	-
Chat	81	13		2,819	8			
Coffee	267	242		3,157	242			
Hops / 'Geshe'	637	183		16,345	168			
Enset	6	3		586	3			
Sugar cane	96	7		568	3			
Other permanent	10	5		1,437	1			



(Table 1.4.16 cont'd.)

**Horoguduru**

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
<b>All</b>	3,501	857	663	60,552	51,485	96,323	110,343	187,214	181,449
<b>Cereals</b>	2,775	565	535	60,072	49,444	90,703	107,512	124,932	149,065
Teff	295	31	45	10,171	6,034	4,866	70,413	50,804	50,688
Barley	139	16	15	2,303	495	564	37,031	12,336	21,989
Wheat	1,045	370	290	39,438	19,354	33,636	62,975	29,654	66,524
Maize	1,502	119	155	44,527	23,450	51,415	83,551	21,860	7,956
Sorghum	*	*	*	622	111	222	17,535	8,620	1,237
Finger millet	-	-	-	-	-	-	4,761	1,506	327
Oats / 'Aja'	-	-	-	-	-	-	3,037	151	344
Rice	-	-	-	-	-	-	*	*	*
<b>Pulses</b>	165	64	39	3,986	1,053	1,373	62,609	16,864	22,869
Horse / Faba beans	151	64	38	2,566	701	894	51,010	10,333	13,661
Field Peas	-	-	-	1,772	343	451	22,463	6,076	7,319
Haricot beans	*	*	*	*	*	*	2,613	201	96
Chick peas	-	-	-	-	-	-	496	33	22
Lentils	-	-	-	-	-	-	444	19	13
Vetch / Grass peas	-	-	-	-	-	-	*	*	*
Soya beans	-	-	-	*	*	*	166	*	6
Fenugreek	-	-	-	-	-	-	14,773	176	1,752
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	469	219	86	5,660	941	3,677	73,327	42,520	9,515
Neug	-	-	-	135	74	86	50,907	34,127	7,589
Linseed	-	-	-	263	26	85	3,771	457	210
Groundnuts	*	*	*	154	*	*	6,987	1,521	881
Safflower	-	-	-	-	-	-	328	63	7
Sesame	319	218	83	934	405	294	12,790	4,265	531
Rapeseed	136	1	2	4,530	429	3,197	25,462	2,087	296
<b>Vegetables</b>	305	9	2	*	*	*	41,284	728	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	*	*	*	4,095	26	-
Ethiopian cabbage	-	-	-	-	-	-	603	3	-
Tomatoes	-	-	-	-	-	-	101	*	-
Green peppers	-	-	-	-	-	-	24,522	467	-
Red peppers	305	9	2	*	*	*	15,027	227	-
Swiss chard	-	-	-	-	-	-	307	3	-
<b>Root crops</b>	*	*	*	153	3	*	52,338	630	-
Beetroot	*	*	*	*	*	*	7,765	18	-
Carrot	-	-	-	-	-	-	3,007	3	-
Onion	-	-	-	*	*	*	11,776	59	-
Potatoes	-	-	-	-	-	-	5,387	89	-
Garlic	-	-	-	*	*	*	38,993	312	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	*	100	*	*	6,020	149	-
<b>Other Temporary</b>	-	-	-	581	24	442	26,126	331	-
<b>Permanent crops</b>							45,319	1,208	
Avocado							*	*	
Bananas							5,044	71	
Guava							-	-	
Lemons							569	1	
Mangoes							3,117	37	
Oranges							697	2	
Papayas							505	1	
Pineapples							-	-	
Chat							7,967	81	
Coffee							4,609	267	
Hops / 'Gescho'							35,293	637	
Enset							1,280	5	
Sugar cane							2,176	96	
Other permanent							2,897	10	

(Table 1.4.16 Cont'd.)

**Horoguduru**

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
<b>All</b>	29,409	16,821	4,711	32,414	29,236	1,922	264	28,611	17,863
<b>Cereals</b>	29,221	16,811	4,711	32,130	29,164	245	73	28,166	17,383
Teff	555	359	100	23,987	15,328	-	-	3,246	1,698
Barley	-	-	-	1,402	336	-	-	558	86
Wheat	1,061	335	605	23,638	12,454	136	8	3,275	1,382
Maize	28,821	16,117	4,007	966	492	109	66	26,132	14,209
Sorghum	-	-	-	-	-	-	-	146	8
Finger millet	-	-	-	649	553	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	-	-	-	284	66	156	58	572	29
Horse / Faba beans	-	-	-	284	66	-	-	416	27
Field Peas	-	-	-	-	-	156	58	-	-
Haricot beans	-	-	-	-	-	-	-	*	*
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	131	1
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	*	*	135	74	2,232	436
Neug	-	-	-	*	*	135	74	400	265
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	*	*	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	*	*	-	-	*	*
Rapeseed	-	-	-	-	-	-	-	1,822	170
<b>Vegetables</b>	*	*	-	*	*	835	7	142	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	-	-	-	-	142	*
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	573	3	-	-
Red peppers	-	-	-	*	*	262	4	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	*	*	-	-	-	507	19	*	*
Beetroot	-	-	-	-	-	131	1	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	*	*	-	-	-	245	9	-	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	262	10	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	*	*
<b>Other Temporary</b>	135	8	-	-	-	145	*	432	12
<b>Permanent crops</b>	-	-	-	-	-	975	33	246	2
Avocado	-	-	-	-	-	-	-	-	-
Bananas	-	-	-	-	-	-	-	-	-
Guava	-	-	-	-	-	-	-	-	-
Lemons	-	-	-	-	-	-	-	-	-
Mangoes	-	-	-	-	-	-	-	-	-
Oranges	-	-	-	-	-	-	-	-	-
Papayas	-	-	-	-	-	-	-	-	-
Pineapples	-	-	-	-	-	-	-	-	-
Chat	-	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-	-
Hops / 'Geshe'	-	-	-	-	-	158	1	246	2
Enset	-	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	686	32	-	-
Other permanent	-	-	-	-	-	131	*	-	-

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
<b>All</b>	351,928	232,352	158,786	195,213	28,962	228,725	186,890	147,472
<b>Cereals</b>	281,921	195,574	126,357	81,359	15,042	206,979	167,436	118,191
Teff	31,629	14,784	5,188	8,252	*	33,165	11,798	4,703
Barley	58,986	38,901	23,128	10,795	2,018	79,541	34,348	22,034
Wheat	87,408	69,003	43,234	4,489	*	87,685	62,517	39,102
Maize	93,421	68,946	51,567	66,928	9,170	115,579	55,778	49,156
Sorghum	4,969	1,215	1,694	9,995	430	10,443	734	1,657
Finger millet	4,518	2,562	1,542	4,579	279	22,677	2,258	1,535
Oats / 'Aja'	990	*	*	*	*	*	*	*
Rice	-	-	-	-	-	-	-	-
<b>Pulses</b>	20,873	5,069	6,312	26,318	1,288	28,891	3,313	6,074
Horse / Faba beans	2,824	430	*	5,921	*	*	*	*
Field Peas	988	*	*	*	*	*	*	*
Haricot beans	7,834	4,503	6,193	17,967	*	24,525	3,036	5,955
Chick peas	*	*	-	*	*	-	-	-
Lentils	*	*	*	*	*	*	*	*
Vetch / Grass peas	*	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	*	*	-	*	*	-	-	-
Gibto	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	9,373	479	*	10,098	284	3,510	*	*
Neug	*	-	-	-	-	-	-	-
Linseed	7,078	*	-	*	*	-	-	-
Groundnuts	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	1,204	88	*	*	*	*	*	*
Rapeseed	*	273	*	8,088	*	*	*	*
<b>Vegetables</b>	2,829	1,777	*	121,485	1,473	4,046	*	*
Lettuce	*	*	*	*	*	-	-	-
Head cabbage	*	*	*	3,756	18	*	*	*
Ethiopian cabbage	1,737	1,167	*	112,572	1,136	*	*	*
Tomatoes	-	-	-	-	-	-	-	-
Green peppers	255	*	*	19,645	*	*	*	*
Red peppers	*	*	*	*	*	-	-	-
Swiss chard	*	*	-	*	*	-	-	-
<b>Root crops</b>	19,821	18,807	24,035	31,953	630	70,959	15,384	21,171
Beetroot	*	*	*	5,873	*	*	*	*
Carrot	*	*	-	*	*	-	-	-
Onion	*	*	*	*	*	*	*	*
Potatoes	19,263	18,481	23,801	15,371	537	68,926	15,182	20,942
Garlic	*	*	*	7,775	20	*	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	30	*	-	*	*	-	-	-
<b>Other Temporary</b>	1,616	1,024	1,070	48,084	694	5,626	262	1,048
<b>Permanent crops</b>	15,494	9,622		115,388	9,552			
Avocado	*	*		*	*			
Bananas	*	*		4,280	*			
Guava	*	*		*	*			
Lemons	-	-		-	-			
Mangoes	*	*		*	*			
Oranges	-	-		-	-			
Papayas	*	*		*	*			
Pineapples	-	-		-	-			
Chat	*	*		*	*			
Coffee	*	*		*	*			
Hops / 'Geshe'	*	*		*	*			
Enset	13,442	9,211		111,611	9,196			
Sugar cane	*	-		-	-			
Other permanent	*	*		1,489	*			

(Table 1.4.17 cont'd.)

## West Arsi

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
<b>All</b>	*	*	*	22,805	12,391	9,543	372,969	321,950	354,457
<b>Cereals</b>	*	*	*	17,267	9,108	6,443	335,829	252,230	331,017
Teff	*	*	*	3,265	594	*	84,329	31,168	15,596
Barley	*	*	*	*	*	*	127,610	58,986	109,726
Wheat	*	*	*	9,847	4,194	3,521	119,015	86,083	174,770
Maize	*	*	*	7,711	3,935	2,396	207,438	65,595	26,173
Sorghum	-	-	-	*	*	*	60,338	4,969	1,688
Finger millet	-	-	-	*	*	*	51,563	4,440	2,084
Oats / 'Aja'	-	-	-	-	-	-	3,806	990	*
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	-	-	-	3,032	*	*	120,244	20,711	17,354
Horse / Faba beans	-	-	-	-	-	-	28,384	2,824	3,839
Field Peas	-	-	-	-	-	-	7,710	982	*
Haricot beans	-	-	-	3,032	*	*	73,922	7,679	4,565
Chick peas	-	-	-	-	-	-	*	*	*
Lentils	-	-	-	-	-	-	3,064	*	140
Vetch / Grass peas	-	-	-	-	-	-	*	*	*
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	*	*	*
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	-	-	-	49,428	9,373	6,086
Neug	-	-	-	-	-	-	*	*	*
Linseed	-	-	-	-	-	-	21,008	7,078	5,150
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	13,452	1,204	572
Rapeseed	-	-	-	-	-	-	17,782	*	*
<b>Vegetables</b>	*	*	*	*	*	*	183,772	2,825	-
Lettuce	-	-	-	*	*	*	*	*	-
Head cabbage	-	-	-	-	-	-	11,022	*	-
Ethiopian cabbage	*	*	-	*	*	-	166,676	1,733	-
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	*	*	-	30,990	255	-
Red peppers	-	-	-	*	*	*	*	*	-
Swiss chard	-	-	-	-	-	-	*	*	-
<b>Root crops</b>	*	*	*	*	*	*	129,857	19,816	-
Beetroot	-	-	-	*	*	-	11,964	*	-
Carrot	-	-	-	-	-	-	1,742	*	-
Onion	-	-	-	-	-	-	*	*	-
Potatoes	*	*	*	*	*	*	107,452	19,260	-
Garlic	*	*	*	*	*	-	17,730	*	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	5,607	30	-
<b>Other Temporary</b>	-	-	-	*	*	*	86,800	1,616	-
<b>Permanent crops</b>							148,600	15,380	
Avocado							*	*	
Bananas							*	*	
Guava							*	*	
Lemons							-	-	
Mangoes							*	*	
Oranges							-	-	
Papayas							*	*	
Pineapples							-	-	
Chat							*	*	
Coffee							*	*	
Hops / 'Gesho'							2,992	*	
Enset							141,284	13,434	
Sugar cane							*	*	
Other permanent							5,219	*	

(Table 1.4.17 Cont'd.)

**West Arsi**

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
<b>All</b>	61,777	29,978	10,319	166,175	127,751	6,023	659	126,236	119,256
<b>Cereals</b>	58,698	29,691	10,141	148,518	118,583	*	*	124,564	115,251
Teff	*	*	*	43,965	19,174	*	*	13,204	7,234
Barley	-	-	-	64,824	26,315	-	-	59,698	30,095
Wheat	3,383	*	1,800	101,372	71,658	-	-	53,999	49,431
Maize	56,265	27,826	8,131	*	*	*	*	60,281	27,325
Sorghum	-	-	-	*	*	-	-	4,230	*
Finger millet	*	*	*	-	-	-	-	*	*
Oats / 'Aja'	-	-	-	*	*	-	-	*	*
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	*	*	*	*	*	*	*	8,452	874
Horse / Faba beans	-	-	-	-	-	-	-	*	*
Field Peas	*	*	*	*	*	-	-	*	*
Haricot beans	*	*	*	*	*	*	*	*	*
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	*	*	*	*
Vetch / Grass peas	-	-	-	*	*	*	*	*	*
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	*	*	*	*	*	*
Neug	-	-	-	-	-	*	*	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	*	*	-	-	*	*
Rapeseed	-	-	-	-	-	-	-	*	*
<b>Vegetables</b>	*	*	-	*	*	*	*	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	*	*	*	*	-	-
Ethiopian cabbage	*	*	-	*	*	*	*	*	*
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	-	-	*	*
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	*	*	-	*	*	*	*	*	*
Beetroot	*	*	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	*	*	-	-	-	-
Potatoes	*	*	-	*	*	*	*	*	*
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
<b>Other Temporary</b>	-	-	-	*	*	*	*	*	*
<b>Permanent crops</b>				*	*	2,058	*	*	*
Avocado				-	-	*	*	*	*
Bananas				-	-	-	-	-	-
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	*	*	*	*
Oranges				-	-	-	-	-	-
Papayas				-	-	*	*	*	*
Pineapples				-	-	-	-	-	-
Chat				-	-	-	-	-	-
Coffee	*	*	-	-	-	-	-	-	-
Hops / 'Geshe'				-	-	-	-	-	-
Enset				-	-	*	*	-	-
Sugar cane				-	-	*	*	-	-
Other permanent				*	*	-	-	-	-

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
<b>All</b>	83,445	*	*	*	*	*	*	*
<b>Cereals</b>	72,797	*	*	*	*	*	*	*
Teff	-	-	-	-	-	-	-	-
Barley	3,316	*	-	*	*	-	-	-
Wheat	7,966	*	*	*	*	*	*	*
Maize	37,019	*	*	*	*	*	*	*
Sorghum	24,415	*	*	*	*	-	-	-
Finger millet	-	-	-	-	-	-	-	-
Oats / 'Aja'	*	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
<b>Pulses</b>	807	*	*	*	*	-	-	-
Horse / Faba beans	*	-	-	-	-	-	-	-
Field Peas	*	-	-	-	-	-	-	-
Haricot beans	741	*	*	*	*	-	-	-
Chick peas	*	-	-	-	-	-	-	-
Lentils	*	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	*	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	79	*	-	15	*	-	-	-
Neug	-	-	-	-	-	-	-	-
Linseed	67	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-
Safflower	*	-	-	-	-	-	-	-
Sesame	*	*	-	15	*	-	-	-
Rapeseed	-	-	-	-	-	-	-	-
<b>Vegetables</b>	85	4	*	92	2	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-
Ethiopian cabbage	*	-	-	-	-	-	-	-
Tomatoes	74	4	*	46	1	-	-	-
Green peppers	6	1	-	61	1	-	-	-
Red peppers	*	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
<b>Root crops</b>	*	9	*	238	7	*	*	*
Beetroot	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	*	*	*	*	*	*	*	*
Potatoes	*	-	-	-	-	-	-	-
Garlic	*	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	*	7	-	223	7	-	-	-
<b>Other Temporary</b>	*	-	-	-	-	-	-	-
<b>Permanent crops</b>	8,451	*	-	*	*	-	-	-
Avocado	-	-	-	-	-	-	-	-
Bananas	104	*	-	411	*	-	-	-
Guava	*	*	-	*	*	-	-	-
Lemons	58	12	-	422	12	-	-	-
Mangoes	17	3	-	265	3	-	-	-
Oranges	85	19	-	365	19	-	-	-
Papayas	5	1	-	57	1	-	-	-
Pineapples	-	-	-	-	-	-	-	-
Chat	7,896	*	-	*	*	-	-	-
Coffee	*	1	-	86	1	-	-	-
Hops / 'Geshe'	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-
Sugar cane	3	2	-	15	2	-	-	-
Other permanent	32	6	-	350	6	-	-	-

(Table 1.5.cont'd.)

**Somalie Region**

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
<b>All</b>	*	*	*	62	5	*	100,654	83,390	38,335
<b>Cereals</b>	*	*	*	31	*	*	98,111	72,754	37,585
Teff	-	-	-	-	-	-	-	-	-
Barley	-	-	-	-	-	-	14,802	3,316	2,611
Wheat	*	*	*	-	-	-	28,472	7,966	7,939
Maize	*	*	*	*	*	*	89,178	36,977	16,413
Sorghum	-	-	-	31	*	*	60,671	24,414	10,587
Finger millet	-	-	-	-	-	-	*	-	*
Oats / 'Aja'	-	-	-	-	-	-	845	*	31
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	*	*	*	-	-	-	8,757	807	*
Horse / Faba beans	-	-	-	-	-	-	*	*	*
Field Peas	-	-	-	-	-	-	*	*	*
Haricot beans	*	*	*	-	-	-	7,696	741	*
Chick peas	-	-	-	-	-	-	*	*	*
Lentils	-	-	-	-	-	-	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	*	*	-
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	-	-	-	2,751	79	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	2,313	67	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	*	*	*
Sesame	-	-	-	-	-	-	*	*	*
Rapeseed	-	-	-	-	-	-	-	-	-
<b>Vegetables</b>	*	*	*	*	*	*	2,650	81	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	*	*	-
Tomatoes	*	*	*	*	*	*	2,282	72	-
Green peppers	-	-	-	-	-	-	*	*	-
Red peppers	-	-	-	-	-	-	*	*	-
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	-	-	-	-	-	-	*	*	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	*	*	-
Potatoes	-	-	-	-	-	-	*	*	-
Garlic	-	-	-	-	-	-	*	*	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	*	*	-
<b>Other Temporary</b>	-	-	-	-	-	-	7,543	*	-
<b>Permanent crops</b>							31,580	8,446	
Avocado							-	-	
Bananas							1,508	103	
Guava							750	*	
Lemons							1,683	56	
Mangoes							946	17	
Oranges							1,017	85	
Papayas							1,220	2	
Pineapples							-	-	
Chat							27,585	7,896	
Coffee							*	*	
Hops / 'Geshe'							-	-	
Enset							-	-	
Sugar cane							15	3	
Other permanent							1,145	32	

(Table 1.5 Cont'd.)

**Somalie Region**

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
<b>All</b>	*	*	*	*	*	8,312	2,478	156	18
<b>Cereals</b>	*	*	*	*	*	6,699	1,121	54	7
Teff	-	-	-	-	-	-	-	-	-
Barley	-	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-	-
Maize	*	*	*	*	*	5,644	689	*	*
Sorghum	*	*	*	*	*	2,638	429	*	6
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	*	*	-	-
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	-	-	-	-	-	*	*	-	-
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	*	*	-	-
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	-	-	53	1	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	53	1	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
<b>Vegetables</b>	*	4	-	*	*	926	23	29	2
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	*	*	-	-
Tomatoes	*	3	-	*	*	573	13	29	2
Green peppers	*	*	-	-	-	*	6	-	-
Red peppers	-	-	-	-	-	*	*	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	*	*	-	*	*	*	*	*	*
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	*	*	-	*	*	*	*	*	*
Potatoes	-	-	-	-	-	*	*	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	*	*	-	-
<b>Other Temporary</b>	-	-	-	-	-	-	-	-	-
<b>Permanent crops</b>	-	-	-	*	*	6,564	*	*	*
Avocado	-	-	-	-	-	-	-	-	-
Bananas	-	-	-	-	-	1,378	103	*	*
Guava	-	-	-	-	-	358	2	-	-
Lemons	-	-	-	-	-	1,492	47	*	*
Mangoes	-	-	-	*	*	765	15	14	*
Oranges	-	-	-	-	-	942	79	11	*
Papayas	-	-	-	-	-	490	*	*	*
Pineapples	-	-	-	-	-	-	-	-	-
Chat	-	-	-	-	-	3,398	*	*	*
Coffee	-	-	-	-	-	*	*	-	-
Hops / 'Gescho'	-	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	15	3	-	-
Other permanent	-	-	-	-	-	909	21	14	*



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
<b>All</b>	1,336	202	9	970	189	*	*	*
<b>Cereals</b>	961	110	*	551	102	*	*	*
Teff	-	-	-	-	-	-	-	-
Barley	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-
Maize	202	34	2	260	29	*	*	*
Sorghum	759	76	*	467	73	-	-	-
Finger millet	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
<b>Pulses</b>	*	-	-	-	-	-	-	-
Horse / Faba beans	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-
Haricot beans	*	-	-	-	-	-	-	-
Chick peas	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	1	*	-	15	*	-	-	-
Neug	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	1	*	-	15	*	-	-	-
Rapeseed	-	-	-	-	-	-	-	-
<b>Vegetables</b>	10	3	*	92	2	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-
Tomatoes	8	2	*	46	1	-	-	-
Green peppers	2	1	-	61	1	-	-	-
Red peppers	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
<b>Root crops</b>	26	9	*	238	7	*	*	*
Beetroot	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	5	*	*	*	*	*	*	*
Potatoes	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	21	7	-	223	7	-	-	-
<b>Other Temporary</b>	-	-	-	-	-	-	-	-
<b>Permanent crops</b>	339	79	-	746	79	-	-	-
Avocado	-	-	-	-	-	-	-	-
Bananas	32	11	-	224	11	-	-	-
Guava	1	*	-	43	*	-	-	-
Lemons	52	12	-	422	12	-	-	-
Mangoes	17	3	-	265	3	-	-	-
Oranges	85	19	-	365	19	-	-	-
Papayas	1	1	-	57	1	-	-	-
Pineapples	-	-	-	-	-	-	-	-
Chat	111	23	-	282	23	-	-	-
Coffee	4	1	-	86	1	-	-	-
Hops / 'Geshe'	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-
Sugar cane	3	2	-	15	2	-	-	-
Other permanent	32	6	-	350	6	-	-	-

(Table 1.5.1 cont'd.)

**Shinele**

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
<b>All</b>	15	4	*	62	5	*	3,204	1,331	238
<b>Cereals</b>	15	4	*	31	*	*	2,845	959	238
Teff	-	-	-	-	-	-	-	-	-
Barley	-	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-	-
Maize	15	4	*	*	*	*	1,383	200	57
Sorghum	-	-	-	31	*	*	2,473	759	181
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	-	-	-	-	-	-	40	*	*
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	-	40	*	*
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	-	-	-	53	1	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	53	1	*
Rapeseed	-	-	-	-	-	-	-	-	-
<b>Vegetables</b>	-	-	-	*	*	*	279	8	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	-	-	-	*	*	*	238	6	-
Green peppers	-	-	-	-	-	-	148	2	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	-	-	-	-	-	-	543	23	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	109	3	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	450	21	-
<b>Other Temporary</b>	-	-	-	-	-	-	-	-	-
<b>Permanent crops</b>	-	-	-	-	-	-	1,873	339	-
Avocado	-	-	-	-	-	-	-	-	-
Bananas	-	-	-	-	-	-	541	32	-
Guava	-	-	-	-	-	-	253	1	-
Lemons	-	-	-	-	-	-	1,504	52	-
Mangoes	-	-	-	-	-	-	946	17	-
Oranges	-	-	-	-	-	-	1,017	85	-
Papayas	-	-	-	-	-	-	146	1	-
Pineapples	-	-	-	-	-	-	-	-	-
Chat	-	-	-	-	-	-	998	111	-
Coffee	-	-	-	-	-	-	248	4	-
Hops / 'Geshe'	-	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	-	15	3	-
Other permanent	-	-	-	-	-	-	1,145	32	-

(Table 1.5.1 Cont'd.)

**Shinele**

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
<b>All</b>	57	6	*	30	*	1,981	810	96	13
<b>Cereals</b>	31	2	*	-	-	1,620	502	54	7
Teff	-	-	-	-	-	-	-	-	-
Barley	-	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-	-
Maize	*	*	*	-	-	1,082	154	*	*
Sorghum	*	*	*	-	-	1,313	348	*	6
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	-	-	-	-	-	-	-	-	-
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	-	-	-	-
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	-	-	53	1	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	53	1	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
<b>Vegetables</b>	26	*	-	*	*	290	10	29	2
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	26	*	-	*	*	264	8	29	2
Green peppers	-	-	-	-	-	133	2	-	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	*	*	-	-	-	474	22	*	*
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	*	*	-	-	-	124	5	*	*
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	365	17	-	-
<b>Other Temporary</b>	-	-	-	-	-	-	-	-	-
<b>Permanent crops</b>	-	-	-	*	*	1,683	275	54	1
Avocado	-	-	-	-	-	-	-	-	-
Bananas	-	-	-	-	-	541	32	-	-
Guava	-	-	-	-	-	237	1	-	-
Lemons	-	-	-	-	-	1,253	41	-	-
Mangoes	-	-	-	*	*	765	15	14	*
Oranges	-	-	-	-	-	942	79	11	*
Papayas	-	-	-	-	-	130	1	-	-
Pineapples	-	-	-	-	-	-	-	-	-
Chat	-	-	-	-	-	923	78	*	*
Coffee	-	-	-	-	-	218	3	-	-
Hops / 'Geshe'	-	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	15	3	-	-
Other permanent	-	-	-	-	-	909	21	14	*

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
<b>All</b>	74,098	*	*	*	*	*	*	*
<b>Cereals</b>	64,537	*	*	*	*	*	*	*
Teff	-	-	-	-	-	-	-	-
Barley	3,316	*	-	*	*	-	-	-
Wheat	7,844	*	*	*	*	*	*	*
Maize	29,950	*	-	*	*	-	-	-
Sorghum	23,345	*	-	*	*	-	-	-
Finger millet	-	-	-	-	-	-	-	-
Oats / 'Aja'	*	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
<b>Pulses</b>	190	-	-	-	-	-	-	-
Horse / Faba beans	*	-	-	-	-	-	-	-
Field Peas	*	-	-	-	-	-	-	-
Haricot beans	126	-	-	-	-	-	-	-
Chick peas	*	-	-	-	-	-	-	-
Lentils	*	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	*	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	73	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-
Linseed	67	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-
Safflower	*	-	-	-	-	-	-	-
Sesame	*	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-
<b>Vegetables</b>	69	-	-	-	-	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-
Ethiopian cabbage	*	-	-	-	-	-	-	-
Tomatoes	62	-	-	-	-	-	-	-
Green peppers	*	-	-	-	-	-	-	-
Red peppers	*	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
<b>Root crops</b>	*	-	-	-	-	-	-	-
Beetroot	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	*	-	-	-	-	-	-	-
Potatoes	*	-	-	-	-	-	-	-
Garlic	*	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	*	-	-	-	-	-	-	-
<b>Other Temporary</b>	*	-	-	-	-	-	-	-
<b>Permanent crops</b>	8,042	*	-	*	*	-	-	-
Avocado	-	-	-	-	-	-	-	-
Bananas	*	-	-	-	-	-	-	-
Guava	-	-	-	-	-	-	-	-
Lemons	-	-	-	-	-	-	-	-
Mangoes	-	-	-	-	-	-	-	-
Oranges	-	-	-	-	-	-	-	-
Papayas	-	-	-	-	-	-	-	-
Pineapples	-	-	-	-	-	-	-	-
Chat	7,784	*	-	*	*	-	-	-
Coffee	*	-	-	-	-	-	-	-
Hops / 'Geshe'	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	-	-	-
Other permanent	-	-	-	-	-	-	-	-

(Table 1.5.2 cont'd.)

## Jijiga

[illegible]

(Table 1.5.2 Cont'd.)

## Jijiga

	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
Crop type	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				-	-	-	-	-	-
Chat				-	-	*	*	-	-
Coffee	-	-	-	-	-	*	*	-	-
Hops / ‘Gesho’				-	-	-	-	-	-
Enset				-	-	-	-	-	-
Sugar cane				-	-	-	-	-	-
Other permanent				-	-	-	-	-	-

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
<b>All</b>	8,010	*	*	*	*	-	-	-
<b>Cereals</b>	7,299	*	*	*	*	-	-	-
Teff	-	-	-	-	-	-	-	-
Barley	-	-	-	-	-	-	-	-
Wheat	*	-	-	-	-	-	-	-
Maize	6,867	*	*	*	*	-	-	-
Sorghum	*	*	-	*	*	-	-	-
Finger millet	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
<b>Pulses</b>	617	*	*	*	*	-	-	-
Horse / Faba beans	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-
Haricot beans	615	*	*	*	*	-	-	-
Chick peas	-	-	-	-	-	-	-	-
Lentils	*	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	*	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	*	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-
<b>Vegetables</b>	*	*	*	-	-	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-
Tomatoes	*	*	*	-	-	-	-	-
Green peppers	*	-	-	-	-	-	-	-
Red peppers	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
<b>Root crops</b>	*	-	-	-	-	-	-	-
Beetroot	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	*	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-
<b>Other Temporary</b>	-	-	-	-	-	-	-	-
<b>Permanent crops</b>	*	*	-	*	*	-	-	-
Avocado	-	-	-	-	-	-	-	-
Bananas	*	*	-	*	*	-	-	-
Guava	*	*	-	*	*	-	-	-
Lemons	*	-	-	-	-	-	-	-
Mangoes	-	-	-	-	-	-	-	-
Oranges	-	-	-	-	-	-	-	-
Papayas	*	-	-	-	-	-	-	-
Pineapples	-	-	-	-	-	-	-	-
Chat	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-
Hops / 'Geshe'	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	-	-	-
Other permanent	-	-	-	-	-	-	-	-

(Table 1.5.3 cont'd.)

## Liben

[illegible]



(Table 1.5.3 Cont'd.)

## Liben

[illegible]

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
<b>All</b>	187,316	31,359	13,780	65,483	15,481	11,946	9,402	5,130
<b>Cereals</b>	132,231	27,058	12,791	54,360	11,946	11,376	9,169	4,967
Teff	15,720	6,863	4,050	1,784	445	8,353	5,569	3,228
Barley	823	506	*	2,210	*	*	*	*
Wheat	*	*	*	1,893	362	*	*	*
Maize	31,435	13,083	6,664	49,367	8,759	1,513	250	290
Sorghum	58,992	2,081	*	7,804	1,990	-	-	-
Finger millet	22,547	3,035	1,050	624	68	2,072	2,397	831
Oats / 'Aja'	*	*	-	*	*	-	-	-
Rice	*	*	*	90	*	*	*	*
<b>Pulses</b>	8,146	1,251	*	12,232	1,171	383	*	*
Horse / Faba beans	543	287	*	3,465	261	*	*	*
Field Peas	743	349	-	1,801	349	-	-	-
Haricot beans	4,885	405	*	6,065	401	*	*	*
Chick peas	465	39	-	755	39	-	-	-
Lentils	*	*	-	*	*	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	1,456	137	*	1,524	87	*	*	*
Fenugreek	*	*	-	*	*	-	-	-
Gibto	*	*	-	*	*	-	-	-
<b>Oilseeds</b>	38,852	1,281	*	7,553	741	231	*	*
Neug	11,566	361	-	1,490	361	-	-	-
Linseed	295	*	3	813	*	89	5	3
Groundnuts	4,789	20	*	630	14	-	-	-
Safflower	*	29	*	272	17	-	-	-
Sesame	21,693	777	*	2,313	259	*	*	*
Rapeseed	*	69	-	3,512	69	-	-	-
<b>Vegetables</b>	1,045	472	15	19,132	441	534	10	7
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	6	1	-	662	1	-	-	-
Ethiopian cabbage	12	7	-	1,380	7	-	-	-
Tomatoes	14	4	-	587	4	-	-	-
Green peppers	34	*	*	1,113	*	-	-	-
Red peppers	979	450	13	16,558	421	534	10	7
Swiss chard	1	1	-	106	1	-	-	-
<b>Root crops</b>	797	380	*	14,249	308	*	*	*
Beetroot	*	*	-	*	*	-	-	-
Carrot	2	*	-	*	*	-	-	-
Onion	127	39	3	4,684	*	95	19	3
Potatoes	*	*	*	*	*	*	*	*
Garlic	49	38	*	6,671	36	*	*	*
Taro 'Godere'	3	1	-	590	1	-	-	-
Sweet potatoes	364	73	*	5,863	63	-	-	-
<b>Other Temporary</b>	2,774	575	*	18,846	540	*	*	-
<b>Permanent crops</b>	3,472	341	*	14,751	334	*	*	-
Avocado	*	*	*	*	*	*	*	*
Bananas	455	31	*	1,882	31	*	*	*
Guava	44	4	*	684	4	*	*	*
Lemons	21	1	*	491	1	*	*	*
Mangoes	632	112	*	3,924	105	*	*	*
Oranges	36	8	*	1,233	8	*	*	*
Papayas	29	12	*	3,035	11	*	*	*
Pineapples	-	-	*	-	-	*	*	*
Chat	106	41	*	3,759	41	*	*	*
Coffee	*	79	*	5,151	79	*	*	*
Hops / 'Geshe'	148	49	*	4,729	49	*	*	*
Enset	1	-	*	-	-	*	*	*
Sugar cane	*	*	*	*	*	*	*	*
Other permanent	26	*	*	1,486	*	*	*	*

(Table 1.6. cont'd.)

**Benishangul-Gumuz**

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
<b>All</b>	2,965	1,361	623	6,588	5,116	8,027	150,396	185,661	56,276
<b>Cereals</b>	1,842	946	493	6,402	4,998	7,330	147,952	130,750	45,379
Teff	*	*	*	885	753	*	28,434	15,720	9,596
Barley	-	-	-	*	*	*	4,099	823	1,669
Wheat	*	*	*	*	*	*	4,547	*	*
Maize	*	*	172	5,643	3,942	6,202	130,217	29,990	8,769
Sorghum	121	41	2	*	*	*	101,779	58,956	12,221
Finger millet	504	*	*	*	*	*	34,831	22,547	8,615
Oats / 'Aja'	-	-	-	-	-	-	*	*	*
Rice	*	*	*	-	-	-	*	*	*
<b>Pulses</b>	-	-	-	*	*	*	67,058	8,126	3,990
Horse / Faba beans	-	-	-	-	-	-	5,631	543	681
Field Peas	-	-	-	-	-	-	3,313	743	*
Haricot beans	-	-	-	-	-	-	51,299	4,885	1,610
Chick peas	-	-	-	-	-	-	3,064	465	143
Lentils	-	-	-	-	-	-	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	*	*	*	9,288	1,436	728
Fenugreek	-	-	-	-	-	-	*	*	*
Gibto	-	-	-	-	-	-	*	*	*
<b>Oilseeds</b>	*	*	*	*	*	*	99,257	38,742	6,907
Neug	-	-	-	-	-	-	32,603	11,566	1,688
Linseed	-	-	-	-	-	-	7,105	295	139
Groundnuts	*	*	*	-	-	-	27,990	4,789	2,117
Safflower	*	*	*	*	*	*	1,435	*	2
Sesame	*	*	*	*	*	*	70,595	21,583	2,735
Rapeseed	-	-	-	-	-	-	5,386	*	226
<b>Vegetables</b>	723	14	5	*	*	4	44,725	1,042	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	1,979	6	-
Ethiopian cabbage	-	-	-	-	-	-	2,554	12	-
Tomatoes	-	-	-	-	-	-	1,758	10	-
Green peppers	*	*	*	-	-	-	5,342	34	-
Red peppers	532	11	3	*	*	4	36,339	979	-
Swiss chard	-	-	-	-	-	-	106	1	-
<b>Root crops</b>	*	*	*	*	*	*	39,596	796	-
Beetroot	-	-	-	-	-	-	535	*	-
Carrot	-	-	-	-	-	-	468	1	-
Onion	-	-	-	-	-	-	8,461	127	-
Potatoes	-	-	-	-	-	-	*	*	-
Garlic	-	-	-	-	-	-	9,447	49	-
Taro 'Godere'	-	-	-	-	-	-	*	3	-
Sweet potatoes	*	*	*	*	*	*	27,314	364	-
<b>Other Temporary</b>	*	*	*	*	*	*	64,404	2,774	-
<b>Permanent crops</b>							61,342	3,431	
Avocado							457	*	
Bananas							22,350	453	
Guava							4,099	40	
Lemons							7,272	21	
Mangoes							34,408	630	
Oranges							6,731	33	
Papayas							11,516	29	
Pineapples							-	-	
Chat							8,261	106	
Coffee							13,985	*	
Hops / 'Geshe'							10,872	148	
Enset							95	1	
Sugar cane							1,333	*	
Other permanent							4,600	26	

(Table1.6. Cont'd.)

**Benishangul-Gumuz**

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
<b>All</b>	5,784	*	*	8,348	3,639	8,954	*	14,148	12,742
<b>Cereals</b>	1,776	*	*	6,835	3,574	667	*	12,898	11,952
Teff	-	-	-	2,618	2,190	-	-	5,336	4,830
Barley	-	-	-	-	-	-	-	*	*
Wheat	-	-	-	*	*	-	-	*	*
Maize	1,712	*	*	3,835	588	391	*	6,144	3,912
Sorghum	*	*	*	199	4	110	3	*	116
Finger millet	-	-	-	640	602	*	*	1,568	2,009
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	*	*	-	-	*	*
<b>Pulses</b>	*	*	*	-	-	349	2	464	52
Horse / Faba beans	-	-	-	-	-	-	-	*	*
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	349	2	192	24
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	*	*	*	-	-	-	-	*	*
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	*	*	*	*	*	-	-	1,448	*
Neug	-	-	-	*	*	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	163	14
Safflower	-	-	-	-	-	-	-	*	*
Sesame	*	*	*	-	-	-	-	*	*
Rapeseed	-	-	-	-	-	-	-	-	-
<b>Vegetables</b>	207	4	-	142	6	*	*	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	81	*	-	-	-	81	*	*	*
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	126	4	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	*	*	*	*
Red peppers	-	-	-	142	6	*	*	*	*
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	*	*	-	380	5	*	*	*	*
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	*	*	-	-	-	-	-	*	*
Onion	-	-	-	*	*	*	*	*	*
Potatoes	-	-	-	-	-	*	*	*	*
Garlic	-	-	-	-	-	*	*	-	-
Taro 'Godere'	-	-	-	-	-	*	*	-	-
Sweet potatoes	-	-	-	251	5	*	*	*	*
<b>Other Temporary</b>	*	*	-	820	*	483	14	*	*
<b>Permanent crops</b>				549	6	8,345	*	321	*
Avocado	-	-	-	-	-	*	*	-	-
Bananas	-	-	-	-	-	5,299	81	-	-
Guava	*	*	-	*	*	*	*	-	-
Lemons	-	-	-	-	-	*	*	-	-
Mangoes	-	-	-	-	-	2,599	22	161	*
Oranges	-	-	-	-	-	*	*	-	-
Papayas	-	-	-	-	-	*	*	*	*
Pineapples	-	-	-	-	-	-	-	-	-
Chat	-	-	-	275	5	1,193	8	-	-
Coffee	3,187	29	-	178	1	4,979	*	89	*
Hops / 'Geshe'	-	-	-	89	*	*	*	-	-
Enset	-	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	*	*	-	-
Other permanent	-	-	-	-	-	281	*	-	-

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
<b>All</b>	88,982	22,096	13,113	30,907	7,745	8,399	8,165	4,875
<b>Cereals</b>	64,143	19,703	12,194	25,743	6,040	8,151	7,991	4,744
Teff	9,942	5,562	3,801	1,197	333	5,272	4,436	3,036
Barley	788	494	*	*	*	*	*	*
Wheat	*	*	*	1,893	362	*	*	*
Maize	11,744	8,889	6,354	24,673	4,735	1,370	206	258
Sorghum	19,251	*	-	*	*	-	-	-
Finger millet	19,716	2,967	1,050	-	-	2,072	2,397	831
Oats / 'Aja'	*	*	-	*	*	-	-	-
Rice	*	*	*	-	-	*	*	*
<b>Pulses</b>	3,179	826	*	6,592	749	*	*	*
Horse / Faba beans	543	287	*	3,465	261	*	*	*
Field Peas	743	349	-	1,801	349	-	-	-
Haricot beans	1,269	86	-	2,175	86	-	-	-
Chick peas	*	*	-	*	*	-	-	-
Lentils	*	*	-	*	*	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	*	*	*	*	*	*	*	*
Fenugreek	*	*	-	*	*	-	-	-
Gibto	*	*	-	*	*	-	-	-
<b>Oilseeds</b>	18,412	873	*	3,235	*	*	*	*
Neug	6,728	*	-	*	*	-	-	-
Linseed	94	*	-	*	*	-	-	-
Groundnuts	4,152	*	*	*	*	-	-	-
Safflower	*	*	*	-	-	-	-	-
Sesame	7,186	*	*	*	*	*	*	*
Rapeseed	*	49	-	2,255	49	-	-	-
<b>Vegetables</b>	429	132	*	7,447	116	*	*	*
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	*	*	-	-	-
Ethiopian cabbage	*	*	-	*	*	-	-	-
Tomatoes	-	-	-	-	-	-	-	-
Green peppers	*	*	*	*	*	-	-	-
Red peppers	414	124	*	6,457	111	*	*	*
Swiss chard	-	-	-	-	-	-	-	-
<b>Root crops</b>	368	*	*	8,856	255	*	*	*
Beetroot	*	*	-	*	*	-	-	-
Carrot	*	*	-	*	*	-	-	-
Onion	*	*	-	3,990	*	-	-	-
Potatoes	*	*	*	*	*	*	*	*
Garlic	47	38	*	6,590	36	*	*	*
Taro 'Godere'	*	*	-	*	*	-	-	-
Sweet potatoes	48	*	*	1,239	*	-	-	-
<b>Other Temporary</b>	520	*	*	4,093	65	*	*	-
<b>Permanent crops</b>	*	155		6,639	153			
Avocado	*	*		*	*			
Bananas	51	*		*	*			
Guava	*	*		*	*			
Lemons	8	-		-	-			
Mangoes	*	*		*	*			
Oranges	*	*		*	*			
Papayas	13	7		1,765	*			
Pineapples	-	-		-	-			
Chat	*	*		*	*			
Coffee	*	*		617	*			
Hops / 'Gescho'	*	43		2,478	43			
Enset	-	-		-	-			
Sugar cane	*	*		*	*			
Other permanent	8	*		1,000	*			

(Table 1.6.1 cont'd.)

## Metekel

Crops	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
<b>All</b>	2,463	1,303	586	5,846	4,883	7,652	55,095	87,584	37,748
<b>Cereals</b>	1,669	898	465	5,751	4,775	6,985	53,685	62,886	30,827
Teff	*	*	*	*	*	*	12,902	9,942	8,390
Barley	-	-	-	*	*	*	3,730	788	1,657
Wheat	*	*	*	*	*	*	4,438	*	*
Maize	*	*	*	5,296	3,825	5,950	44,770	10,487	3,611
Sorghum	-	-	-	-	-	-	24,998	19,251	4,637
Finger millet	504	*	*	*	*	*	22,406	19,716	8,026
Oats / 'Aja'	-	-	-	-	-	-	*	*	*
Rice	*	*	*	-	-	-	*	*	*
<b>Pulses</b>	-	-	-	*	*	*	20,635	3,160	2,616
Horse / Faba beans	-	-	-	-	-	-	5,631	543	681
Field Peas	-	-	-	-	-	-	3,313	743	*
Haricot beans	-	-	-	-	-	-	12,604	1,269	*
Chick peas	-	-	-	-	-	-	*	*	*
Lentils	-	-	-	-	-	-	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	*	*	*	1,330	*	*
Fenugreek	-	-	-	-	-	-	*	*	*
Gibto	-	-	-	-	-	-	*	*	*
<b>Oilseeds</b>	*	*	*	*	*	*	32,346	18,302	4,305
Neug	-	-	-	-	-	-	9,527	6,728	1,140
Linseed	-	-	-	-	-	-	1,957	94	*
Groundnuts	*	*	*	-	-	-	11,925	4,152	1,863
Safflower	*	*	*	*	*	*	*	*	*
Sesame	*	*	*	*	*	*	19,756	7,076	1,030
Rapeseed	-	-	-	-	-	-	3,133	*	*
<b>Vegetables</b>	*	*	*	*	*	*	18,771	429	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	*	*	-
Ethiopian cabbage	-	-	-	-	-	-	*	*	-
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	*	*	*	-	-	-	1,993	*	-
Red peppers	*	*	*	*	*	*	16,678	414	-
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	*	*	*	*	*	*	13,693	368	-
Beetroot	-	-	-	-	-	-	*	*	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	-	-	-	-	-	-	4,664	*	-
Potatoes	-	-	-	-	-	-	*	*	-
Garlic	-	-	-	-	-	-	8,815	47	-
Taro 'Godere'	-	-	-	-	-	-	*	*	-
Sweet potatoes	*	*	*	*	*	*	3,660	48	-
<b>Other Temporary</b>	*	*	*	*	*	*	14,479	520	-
<b>Permanent crops</b>							19,742	*	
Avocado							*	*	
Bananas							3,818	49	
Guava							696	*	
Lemons							2,331	8	
Mangoes							7,228	*	
Oranges							*	1	
Papayas							4,617	13	
Pineapples							-	-	
Chat							1,496	*	
Coffee							4,353	*	
Hops / 'Gesho'							7,563	*	
Enset							-	-	
Sugar cane							*	*	
Other permanent							2,222	8	

(Table 1.6.1 Cont'd.)

**Metekel**

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
<b>All</b>	1,943	*	*	3,652	2,759	5,012	*	12,776	12,299
<b>Cereals</b>	*	*	*	2,916	2,713	*	*	12,134	11,581
Teff	-	-	-	2,111	1,978	-	-	5,336	4,830
Barley	-	-	-	-	-	-	-	*	*
Wheat	-	-	-	*	*	-	-	*	*
Maize	*	*	*	*	*	*	*	5,618	3,657
Sorghum	-	-	-	-	-	-	-	-	-
Finger millet	-	-	-	545	*	*	*	1,568	2,009
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	*	*	-	-	*	*
<b>Pulses</b>	*	*	*	-	-	-	-	*	*
Horse / Faba beans	-	-	-	-	-	-	-	*	*
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	-	-	-	-
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	*	*	*	-	-	-	-	*	*
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	*	*	*	*	*	-	-	*	*
Neug	-	-	-	*	*	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	*	*
Safflower	-	-	-	-	-	-	-	*	*
Sesame	*	*	*	-	-	-	-	*	*
Rapeseed	-	-	-	-	-	-	-	-	-
<b>Vegetables</b>	-	-	-	-	-	*	*	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	*	*
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	*	*	*	*
Red peppers	-	-	-	-	-	*	*	*	*
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	-	-	-	*	*	*	*	*	*
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	*	*
Onion	-	-	-	*	*	*	*	-	-
Potatoes	-	-	-	-	-	*	*	*	*
Garlic	-	-	-	-	-	*	*	-	-
Taro 'Godere'	-	-	-	-	-	*	*	-	-
Sweet potatoes	-	-	-	-	-	*	*	*	*
<b>Other Temporary</b>	*	*	-	*	*	*	*	*	*
<b>Permanent crops</b>	-	-	-	*	*	4,752	*	*	*
Avocado	-	-	-	-	-	*	*	-	-
Bananas	-	-	-	-	-	2,113	31	-	-
Guava	-	-	-	*	*	*	*	-	-
Lemons	-	-	-	-	-	*	*	-	-
Mangoes	-	-	-	-	-	*	*	*	*
Oranges	-	-	-	-	-	*	*	-	-
Papayas	-	-	-	-	-	*	*	*	*
Pineapples	-	-	-	-	-	-	-	-	-
Chat	-	-	-	-	-	*	*	-	-
Coffee	-	-	-	-	-	*	*	-	-
Hops / 'Geshe'	-	-	-	-	-	*	*	-	-
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
<b>All</b>	59,579	5,599	77	27,438	5,111	2,671	427	69
<b>Cereals</b>	40,068	4,365	63	22,929	3,917	2,395	397	60
Teff	2,749	493	61	451	86	2,395	397	60
Barley	12	12	-	318	12	-	-	-
Wheat	2	-	-	-	-	-	-	-
Maize	11,245	3,016	-	20,274	3,016	-	-	-
Sorghum	24,419	785	2	5,806	744	-	-	-
Finger millet	1,641	59	-	539	59	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	*	*	-	90	*	-	-	-
<b>Pulses</b>	3,369	117	-	3,295	117	-	-	-
Horse / Faba beans	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-
Haricot beans	2,164	30	-	1,640	30	-	-	-
Chick peas	211	21	-	582	21	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	994	65	-	1,163	65	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	12,079	174	3	2,646	169	89	5	3
Neug	4,454	102	-	450	102	-	-	-
Linseed	195	9	3	360	4	89	5	3
Groundnuts	562	6	-	400	6	-	-	-
Safflower	23	17	-	272	17	-	-	-
Sesame	6,799	20	-	729	20	-	-	-
Rapeseed	46	20	-	1,156	20	-	-	-
<b>Vegetables</b>	491	294	9	9,435	278	362	6	4
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	5	1	-	570	1	-	-	-
Ethiopian cabbage	8	5	-	1,065	5	-	-	-
Tomatoes	13	4	-	528	4	-	-	-
Green peppers	9	1	-	116	1	-	-	-
Red peppers	453	282	9	8,059	267	362	6	4
Swiss chard	1	1	-	106	1	-	-	-
<b>Root crops</b>	336	54	3	4,434	35	95	19	3
Beetroot	*	*	-	90	*	-	-	-
Carrot	1	*	-	90	*	-	-	-
Onion	106	21	3	694	2	95	19	3
Potatoes	1	-	-	-	-	-	-	-
Garlic	1	*	-	81	*	-	-	-
Taro 'Godere'	*	*	-	108	*	-	-	-
Sweet potatoes	226	33	-	3,750	33	-	-	-
<b>Other Temporary</b>	1,981	444	-	13,739	444	-	-	-
<b>Permanent crops</b>	1,255	151	-	7,644	151	-	-	-
Avocado	*	-	-	-	-	-	-	-
Bananas	347	25	-	1,100	25	-	-	-
Guava	37	2	-	512	2	-	-	-
Lemons	13	1	-	491	1	-	-	-
Mangoes	397	16	-	2,090	16	-	-	-
Oranges	31	8	-	1,157	8	-	-	-
Papayas	11	3	-	1,141	3	-	-	-
Pineapples	-	-	-	-	-	-	-	-
Chat	92	40	-	3,499	40	-	-	-
Coffee	291	51	-	4,534	51	-	-	-
Hops / 'Geshe'	12	6	-	2,252	6	-	-	-
Enset	1	-	-	-	-	-	-	-
Sugar cane	5	-	-	-	-	-	-	-
Other permanent	18	*	-	487	*	-	-	-



(Table 1.6.2 cont'd.)

**Asosa**

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
<b>All</b>	392	46	5	181	14	4	68,705	59,546	12,171
<b>Cereals</b>	121	41	2	91	11	1	68,160	40,068	9,533
Teff	-	-	-	91	11	1	11,485	2,749	625
Barley	-	-	-	-	-	-	318	12	9
Wheat	-	-	-	-	-	-	109	2	1
Maize	-	-	-	-	-	-	62,050	11,245	3,447
Sorghum	121	41	2	-	-	-	55,848	24,419	5,066
Finger millet	-	-	-	-	-	-	9,501	1,641	384
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	90	*	*
<b>Pulses</b>	-	-	-	-	-	-	32,917	3,369	1,112
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	-	25,550	2,164	609
Chick peas	-	-	-	-	-	-	2,123	211	74
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	7,501	994	429
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	-	-	-	47,076	12,079	1,525
Neug	-	-	-	-	-	-	19,768	4,454	495
Linseed	-	-	-	-	-	-	5,112	195	29
Groundnuts	-	-	-	-	-	-	13,126	562	235
Safflower	-	-	-	-	-	-	937	23	1
Sesame	-	-	-	-	-	-	32,816	6,799	743
Rapeseed	-	-	-	-	-	-	1,823	46	22
<b>Vegetables</b>	271	6	2	90	4	3	19,642	487	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	1,776	5	-
Ethiopian cabbage	-	-	-	-	-	-	1,812	8	-
Tomatoes	-	-	-	-	-	-	1,545	10	-
Green peppers	-	-	-	-	-	-	1,500	9	-
Red peppers	271	6	2	90	4	3	15,314	453	-
Swiss chard	-	-	-	-	-	-	106	1	-
<b>Root crops</b>	-	-	-	-	-	-	20,383	336	-
Beetroot	-	-	-	-	-	-	276	*	-
Carrot	-	-	-	-	-	-	331	1	-
Onion	-	-	-	-	-	-	3,738	106	-
Potatoes	-	-	-	-	-	-	109	1	-
Garlic	-	-	-	-	-	-	397	1	-
Taro 'Godere'	-	-	-	-	-	-	216	*	-
Sweet potatoes	-	-	-	-	-	-	18,356	226	-
<b>Other Temporary</b>	-	-	-	-	-	-	42,415	1,981	-
<b>Permanent crops</b>	-	-	-	-	-	-	34,942	1,226	-
Avocado	-	-	-	-	-	-	212	*	-
Bananas	-	-	-	-	-	-	14,566	347	-
Guava	-	-	-	-	-	-	3,403	37	-
Lemons	-	-	-	-	-	-	4,891	13	-
Mangoes	-	-	-	-	-	-	24,475	397	-
Oranges	-	-	-	-	-	-	5,689	31	-
Papayas	-	-	-	-	-	-	6,199	11	-
Pineapples	-	-	-	-	-	-	-	-	-
Chat	-	-	-	-	-	-	6,764	92	-
Coffee	-	-	-	-	-	-	9,134	262	-
Hops / 'Geshe'	-	-	-	-	-	-	3,309	12	-
Enset	-	-	-	-	-	-	95	1	-
Sugar cane	-	-	-	-	-	-	278	5	-
Other permanent	-	-	-	-	-	-	2,308	18	-

(Table 1.6.2 Cont'd.)

**Asosa**

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
<b>All</b>	3,376	33	-	4,348	599	3,850	98	654	131
<b>Cereals</b>	-	-	-	3,671	583	349	6	109	61
Teff	-	-	-	356	69	-	-	-	-
Barley	-	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-	-
Maize	-	-	-	3,671	509	238	3	-	-
Sorghum	-	-	-	199	4	110	3	109	61
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	-	-	-	-	-	349	2	128	23
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	349	2	128	23
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	-	-	-	-	235	46
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	91	8
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	144	38
Rapeseed	-	-	-	-	-	-	-	-	-
<b>Vegetables</b>	207	4	-	92	3	170	*	-	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	81	*	-	-	-	81	*	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	126	4	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	-	-	-	-
Red peppers	-	-	-	92	3	89	*	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	-	-	-	201	4	-	-	*	*
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	-	*	*
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	201	4	-	-	-	-
<b>Other Temporary</b>	-	-	-	310	3	311	13	-	-
<b>Permanent crops</b>	-	-	-	453	6	3,501	76	178	*
Avocado	-	-	-	-	-	-	-	-	-
Bananas	-	-	-	-	-	3,151	50	-	-
Guava	-	-	-	-	-	91	*	-	-
Lemons	-	-	-	-	-	-	-	-	-
Mangoes	-	-	-	-	-	380	5	89	*
Oranges	-	-	-	-	-	-	-	-	-
Papayas	-	-	-	-	-	-	-	-	-
Pineapples	-	-	-	-	-	-	-	-	-
Chat	-	-	-	275	5	453	2	-	-
Coffee	3,187	29	-	178	1	2,157	16	89	*
Hops / 'Geshe'	-	-	-	89	*	291	*	-	-
Enset	-	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	81	3	-	-
Other permanent	-	-	-	-	-	109	*	-	-

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
<b>All</b>	38,755	3,663	590	7,138	2,624	*	*	*
<b>Cereals</b>	28,019	2,990	534	5,688	1,989	*	*	*
Teff	3,028	*	*	*	*	*	*	*
Barley	*	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-
Maize	8,446	1,178	*	4,419	1,008	*	*	*
Sorghum	15,323	*	*	*	*	-	-	-
Finger millet	1,189	*	-	*	*	-	-	-
Oats / 'Aja'	*	*	-	*	*	-	-	-
Rice	-	-	-	-	-	-	-	-
<b>Pulses</b>	1,598	*	*	2,345	*	*	*	*
Horse / Faba beans	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-
Haricot beans	1,452	*	*	2,249	*	*	*	*
Chick peas	*	*	-	*	*	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	138	*	-	*	*	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	8,361	233	*	1,671	*	*	*	*
Neug	384	*	-	*	*	-	-	-
Linseed	*	-	-	-	-	-	-	-
Groundnuts	74	*	-	*	*	-	-	-
Safflower	*	-	-	-	-	-	-	-
Sesame	7,708	*	*	*	*	*	*	*
Rapeseed	*	*	-	*	*	-	-	-
<b>Vegetables</b>	126	46	-	2,251	46	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	*	-	-	-	-	-	-	-
Ethiopian cabbage	*	*	-	*	*	-	-	-
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	11	*	-	*	*	-	-	-
Red peppers	112	44	-	2,043	44	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
<b>Root crops</b>	92	*	*	*	*	-	-	-
Beetroot	-	-	-	-	-	-	-	-
Carrot	*	-	-	-	-	-	-	-
Onion	*	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-
Garlic	*	-	-	-	-	-	-	-
Taro 'Godere'	*	*	-	*	*	-	-	-
Sweet potatoes	90	*	*	*	*	-	-	-
<b>Other Temporary</b>	273	*	-	*	*	-	-	-
<b>Permanent crops</b>	287	*	-	468	*	-	-	-
Avocado	*	-	-	-	-	-	-	-
Bananas	57	*	*	*	*	-	-	-
Guava	-	-	-	-	-	-	-	-
Lemons	*	-	-	-	-	-	-	-
Mangoes	138	*	*	*	*	-	-	-
Oranges	*	-	-	-	-	-	-	-
Papayas	*	*	-	*	*	-	-	-
Pineapples	-	-	-	-	-	-	-	-
Chat	-	-	-	-	-	-	-	-
Coffee	*	-	-	-	-	-	-	-
Hops / 'Geshe'	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-
Sugar cane	*	-	-	-	-	-	-	-
Other permanent	*	-	-	-	-	-	-	-

(Table 1.6.3 cont'd.)

## Kemashi

[illegible]

(Table 1.6.3 Cont'd.)

## Kemashi

[illegible]

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

**S.N.N.P. Region**

Crop type	All	All Fertilizers		Natural		DAP		
	Crop Area	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
<b>All</b>	1,414,712	702,993	361,476	2,178,985	372,468	812,009	258,933	265,684
<b>Cereals</b>	746,936	352,145	272,137	653,005	75,904	722,028	214,301	201,766
Teff	199,492	101,239	65,535	30,461	3,195	312,523	74,366	48,983
Barley	84,745	41,947	29,750	165,648	18,726	177,612	21,236	27,405
Wheat	123,195	92,706	97,783	109,563	13,967	289,978	58,979	71,461
Maize	220,993	98,459	70,878	408,073	29,369	262,924	53,800	47,780
Sorghum	111,470	15,552	7,225	136,453	10,306	47,967	4,284	5,327
Finger millet	6,381	2,105	859	5,194	308	20,606	1,545	718
Oats / 'Aja'	461	137	*	3,431	33	3,607	*	*
Rice	198	*	-	*	*	-	-	-
<b>Pulses</b>	168,549	55,745	41,904	518,060	23,032	269,982	29,796	33,737
Horse / Faba beans	55,208	15,894	7,239	259,744	9,191	94,781	5,943	6,280
Field Peas	43,497	10,562	9,413	88,557	3,972	70,843	6,002	8,576
Haricot beans	61,668	26,893	24,917	253,601	7,992	136,583	17,350	18,639
Chick peas	4,536	1,049	*	12,691	798	3,078	239	89
Lentils	1,988	790	106	7,814	561	7,696	223	104
Vetch / Grass peas	1,382	*	*	*	*	*	*	*
Soya beans	46	12	*	1,852	10	*	*	*
Fenugreek	216	92	*	15,518	76	959	16	*
Gibto	*	-	-	-	-	-	-	-
<b>Oilseeds</b>	6,097	1,003	879	37,235	669	13,950	299	819
Neug	*	*	*	*	*	*	*	*
Linseed	1,809	486	*	13,959	*	7,612	126	*
Groundnuts	316	36	*	1,811	35	*	*	*
Safflower	293	3	-	1,893	3	-	-	-
Sesame	1,088	33	66	*	22	380	9	66
Rapeseed	832	445	480	18,205	261	6,018	163	*
<b>Vegetables</b>	26,012	20,181	11,930	1,255,324	13,558	51,754	4,638	7,958
Lettuce	*	*	-	5,543	*	-	-	-
Head cabbage	550	462	*	60,604	320	3,804	*	*
Ethiopian cabbage	14,382	11,836	1,391	1,195,421	11,344	18,935	*	*
Tomatoes	285	161	*	24,814	139	*	*	*
Green peppers	850	408	*	139,581	405	1,032	2	*
Red peppers	9,906	7,282	10,230	49,486	1,316	30,848	4,117	6,731
Swiss chard	20	14	-	14,019	14	-	-	-
<b>Root crops</b>	66,072	38,760	11,152	907,751	31,700	126,515	5,857	8,449
Beetroot	215	150	*	59,665	136	*	*	*
Carrot	244	142	78	23,177	92	2,270	*	35
Onion	884	281	65	66,001	208	2,209	*	*
Potatoes	14,023	12,460	10,351	262,693	5,897	115,370	5,599	7,912
Garlic	256	142	*	45,261	138	*	*	*
Taro 'Godere'	20,926	8,185	166	406,471	8,155	2,091	23	81
Sweet potatoes	29,524	17,400	471	383,384	17,073	8,102	148	361
<b>Other Temporary</b>	39,292	14,863	2,289	741,355	13,790	15,052	555	1,315
<b>Permanent crops</b>	361,754	220,296		2,045,967	213,816			
Avocado	3,665	2,298		357,732	2,241			
Bananas	19,914	6,555		509,206	5,707			
Guava	137	55		21,421	55			
Lemons	242	90		24,208	86			
Mangoes	2,590	580		93,527	570			
Oranges	1,008	594		87,476	563			
Papayas	982	410		127,073	410			
Pineapples	*	*		2,789	13			
Chat	25,761	12,599		361,699	11,715			
Coffee	91,233	35,772		936,104	32,250			
Hops / 'Gescho'	2,306	659		122,990	619			
Enset	199,283	155,218		1,878,970	154,497			
Sugar cane	10,279	3,865		300,354	3,591			
Other permanent	3,692	1,533		189,990	1,499			

(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
<b>All</b>	34,889	4,639	4,540	213,044	66,953	91,252	2,736,915	1,378,745	670,605
<b>Cereals</b>	26,067	3,530	2,814	186,854	58,410	67,557	2,037,495	714,560	527,029
Teff	6,244	1,563	883	71,281	22,115	15,669	799,727	196,874	88,900
Barley	5,019	267	199	20,170	1,719	2,146	625,313	84,175	118,392
Wheat	5,908	775	793	76,264	18,986	25,529	607,805	115,120	204,442
Maize	8,970	799	777	72,168	14,491	22,321	1,075,348	199,954	92,172
Sorghum	2,039	116	*	11,683	847	1,750	617,721	111,397	20,620
Finger millet	-	-	-	3,138	251	141	70,538	6,381	1,829
Oats / 'Aja'	*	*	*	-	-	-	14,517	461	585
Rice	-	-	-	-	-	-	2,226	198	90
<b>Pulses</b>	3,888	137	131	35,474	2,780	8,036	1,434,928	168,296	141,353
Horse / Faba beans	*	*	*	9,116	747	952	667,495	55,128	59,259
Field Peas	1,201	*	*	7,736	523	762	384,546	43,344	37,470
Haricot beans	1,659	60	49	22,655	1,491	*	795,941	61,648	40,509
Chick peas	-	-	-	*	*	*	44,533	4,536	1,970
Lentils	-	-	-	*	*	*	34,744	1,987	765
Vetch / Grass peas	-	-	-	-	-	-	12,187	1,382	*
Soya beans	-	-	-	-	-	-	5,394	45	8
Fenugreek	-	-	-	-	-	-	27,118	216	73
Gibto	-	-	-	-	-	-	*	*	*
<b>Oilseeds</b>	*	*	*	1,952	*	*	144,554	5,884	2,224
Neug	-	-	-	-	-	-	9,447	*	*
Linseed	*	*	*	*	*	*	68,513	1,806	722
Groundnuts	-	-	-	-	-	-	8,961	316	259
Safflower	-	-	-	-	-	-	17,821	293	45
Sesame	-	-	-	*	*	*	8,255	879	70
Rapeseed	-	-	-	*	*	*	39,480	832	69
<b>Vegetables</b>	3,001	97	*	21,078	1,889	3,867	1,546,984	25,950	-
Lettuce	-	-	-	-	-	-	4,980	*	-
Head cabbage	-	-	-	*	*	*	64,686	521	-
Ethiopian cabbage	1,804	*	*	*	*	*	1,422,522	14,372	-
Tomatoes	-	-	-	*	*	*	36,079	269	-
Green peppers	109	*	-	*	*	*	222,775	849	-
Red peppers	1,089	*	*	13,542	1,761	3,401	135,463	9,904	-
Swiss chard	-	-	-	-	-	-	11,621	17	-
<b>Root crops</b>	2,818	29	46	21,779	1,174	2,657	1,418,077	65,990	-
Beetroot	-	-	-	*	*	*	69,210	199	-
Carrot	-	-	-	*	*	*	30,602	235	-
Onion	*	*	*	*	*	*	108,498	872	-
Potatoes	1,161	*	*	17,389	946	2,418	430,411	14,016	-
Garlic	-	-	-	*	*	*	65,994	256	-
Taro 'Godere'	*	*	*	*	*	70	676,994	20,891	-
Sweet potatoes	*	*	*	*	*	*	606,966	29,521	-
<b>Other Temporary</b>	2,733	109	140	7,796	*	834	1,111,980	39,290	-
<b>Permanent crops</b>							2,558,031	358,774	
Avocado							544,355	3,529	
Bananas							892,292	19,912	
Guava							49,698	136	
Lemons							50,280	242	
Mangoes							196,520	2,583	
Oranges							138,234	1,008	
Papayas							226,795	960	
Pineapples							*	*	
Chat							630,958	25,756	
Coffee							1,413,139	88,472	
Hops / 'Geshe'							245,093	2,305	
Enset							2,276,987	199,260	
Sugar cane							566,228	10,278	
Other permanent							349,720	3,668	

(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
<b>All</b>	217,026	35,967	26,167	477,963	163,172	70,074	27,079	180,781	44,924
<b>Cereals</b>	145,038	32,376	25,913	425,688	156,414	28,653	10,746	149,267	39,144
Teff	6,815	2,618	1,013	273,959	71,421	3,873	1,364	30,351	7,647
Barley	3,224	570	1,228	81,911	9,008	*	*	3,624	*
Wheat	32,673	8,075	16,301	249,159	65,682	*	*	22,354	6,025
Maize	108,713	21,039	7,370	15,731	2,643	25,402	8,228	105,920	23,955
Sorghum	*	*	-	23,703	5,148	5,505	1,102	11,000	673
Finger millet	-	-	-	18,820	2,454	-	-	*	*
Oats / 'Aja'	-	-	-	*	*	-	-	-	-
Rice	*	*	*	*	*	*	*	*	*
<b>Pulses</b>	2,145	253	*	13,667	845	5,526	232	33,063	3,662
Horse / Faba beans	*	*	*	5,789	332	1,121	*	2,039	*
Field Peas	899	153	*	3,660	*	-	-	2,962	260
Haricot beans	527	20	5	4,470	165	4,080	187	28,464	*
Chick peas	-	-	-	*	*	*	*	-	-
Lentils	*	*	*	-	-	-	-	*	*
Vetch / Grass peas	-	-	-	*	*	-	-	-	-
Soya beans	*	*	*	-	-	*	*	-	-
Fenugreek	-	-	-	*	*	*	*	-	-
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	1,667	213	20	5,433	*	1,515	84	*	*
Neug	*	*	*	*	*	-	-	*	*
Linseed	*	*	*	5,284	*	*	*	*	*
Groundnuts	-	-	-	-	-	-	-	*	*
Safflower	-	-	-	-	-	380	*	*	*
Sesame	1,627	209	19	-	-	1,117	82	*	*
Rapeseed	-	-	-	*	*	-	-	*	*
<b>Vegetables</b>	19,848	61	-	14,285	741	14,860	212	12,682	186
Lettuce	*	2	-	-	-	*	*	*	*
Head cabbage	13,385	29	-	*	*	2,674	23	4,729	*
Ethiopian cabbage	*	*	-	6,702	40	8,212	58	5,385	*
Tomatoes	*	16	-	*	*	3,003	48	*	*
Green peppers	*	*	-	*	*	3,644	51	*	*
Red peppers	*	*	-	6,602	653	375	32	*	*
Swiss chard	5,697	3	-	-	-	-	-	*	2
<b>Root crops</b>	20,937	82	-	23,647	1,451	9,399	175	12,069	*
Beetroot	11,312	16	-	*	*	1,102	*	4,299	4
Carrot	9,717	10	-	*	*	285	*	4,961	*
Onion	6,077	12	-	*	*	1,451	15	3,783	9
Potatoes	*	*	-	17,797	1,304	905	*	*	*
Garlic	*	*	-	*	*	*	*	676	6
Taro 'Godere'	291	35	-	2,620	33	1,725	18	*	7
Sweet potatoes	346	3	-	2,178	*	4,829	127	1,350	36
<b>Other Temporary</b>	1,552	*	-	4,264	50	21,544	5,827	5,237	91
<b>Permanent crops</b>				50,331	*	52,481	9,803	29,349	1,590
Avocado				*	*	8,120	188	2,984	*
Bananas				4,562	31	25,754	5,820	4,187	*
Guava				-	-	1,048	*	*	*
Lemons				-	-	6,413	27	*	*
Mangoes				-	-	16,232	1,108	1,284	43
Oranges				1,139	2	2,407	*	*	*
Papayas				-	-	11,843	*	*	*
Pineapples				-	-	-	-	*	*
Chat				19,684	754	6,511	133	3,602	*
Coffee	33,415	2,761	-	17,077	*	21,704	1,190	15,421	1,114
Hops / 'Geshe'				572	*	*	*	*	*
Enset				9,106	352	16,713	972		
Sugar cane				700	1	5,450	101	*	*
Other permanent				1,567	*	13,357	*	1,857	25



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

**Gurage**

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
<b>All</b>	130,179	99,743	62,646	246,379	45,480	134,917	39,761	48,685
<b>Cereals</b>	74,790	54,667	53,734	86,486	5,326	129,009	35,185	40,370
Teff	28,676	24,048	18,780	2,296	*	37,053	14,118	10,067
Barley	13,877	12,933	17,939	24,127	806	71,103	11,913	17,444
Wheat	13,736	10,867	13,653	12,951	293	60,775	7,927	11,582
Maize	13,274	6,082	2,930	51,761	3,604	9,107	1,061	1,132
Sorghum	5,129	653	*	11,671	*	*	*	*
Finger millet	-	-	-	-	-	-	-	-
Oats / 'Aja'	*	*	*	*	*	*	*	*
Rice	-	-	-	-	-	-	-	-
<b>Pulses</b>	9,137	5,436	4,653	67,572	2,078	32,326	3,310	4,604
Horse / Faba beans	2,933	2,501	885	56,835	1,864	18,057	633	885
Field Peas	3,207	2,563	3,659	*	*	19,703	2,470	3,609
Haricot beans	1,048	*	*	13,000	*	*	*	*
Chick peas	*	*	-	*	*	-	-	-
Lentils	*	*	*	-	-	*	*	*
Vetch / Grass peas	*	*	-	*	*	-	-	-
Soya beans	*	*	-	*	*	-	-	-
Fenugreek	*	*	-	*	*	-	-	-
Gibto	*	-	-	-	-	-	-	-
<b>Oilseeds</b>	*	*	*	7,142	*	1,312	*	*
Neug	*	*	-	*	*	-	-	-
Linseed	*	10	*	*	*	1,312	*	*
Groundnuts	*	*	-	*	*	-	-	-
Safflower	*	*	-	*	*	-	-	-
Sesame	-	-	-	-	-	-	-	-
Rapeseed	*	*	-	6,849	*	-	-	-
<b>Vegetables</b>	2,681	1,957	*	166,578	1,757	*	*	*
Lettuce	*	*	-	4,285	*	-	-	-
Head cabbage	73	66	*	24,409	63	*	*	*
Ethiopian cabbage	1,135	1,091	*	157,745	1,087	*	*	*
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	50	23	-	17,563	23	-	-	-
Red peppers	*	*	*	*	*	*	*	*
Swiss chard	4	4	-	8,147	4	-	-	-
<b>Root crops</b>	2,994	2,860	3,456	100,124	1,599	34,739	1,137	3,018
Beetroot	14	13	*	13,008	13	*	*	*
Carrot	*	7	-	9,171	7	-	-	-
Onion	19	17	-	12,750	17	-	-	-
Potatoes	1,771	1,734	3,444	43,455	475	34,134	1,135	3,007
Garlic	8	7	-	7,415	7	-	-	-
Taro 'Godere'	1,027	1,006	*	45,882	1,004	*	*	*
Sweet potatoes	*	*	*	7,142	*	*	*	*
<b>Other Temporary</b>	595	484	*	65,892	465	*	*	*
<b>Permanent crops</b>	38,179	34,268		231,342	34,194			
Avocado	232	199		37,417	199			
Bananas	560	419		46,103	414			
Guava	31	14		6,876	14			
Lemons	32	*		5,549	23			
Mangoes	56	43		9,915	43			
Oranges	644	411		39,809	407			
Papayas	90	77		30,600	77			
Pineapples	*	*		*	*			
Chat	4,738	3,282		88,538	3,269			
Coffee	2,734	2,331		90,623	2,320			
Hops / 'Gesho'	*	333		51,531	329			
Enset	27,588	26,709		216,417	26,690			
Sugar cane	*	278		24,061	278			
Other permanent	194	146		40,442	128			

(Table 1.7.1 cont'd.)

**Gurage**

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
<b>All</b>	8,759	817	513	28,240	13,685	13,448	257,497	124,988	91,051
<b>Cereals</b>	7,724	747	427	25,780	13,409	12,937	209,083	69,744	70,457
Teff	*	*	*	16,026	9,519	8,555	67,334	27,290	9,691
Barley	*	*	*	1,986	120	*	95,264	13,723	28,096
Wheat	*	*	159	6,582	*	*	94,696	11,941	25,657
Maize	*	*	*	6,561	1,376	1,782	76,148	11,563	5,860
Sorghum	-	-	-	*	*	*	38,734	5,129	984
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	*	*	*	-	-	-	*	*	*
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	*	*	*	*	*	*	114,869	9,137	19,491
Horse / Faba beans	*	*	*	*	*	-	81,436	2,933	5,295
Field Peas	*	*	*	*	*	*	25,589	3,207	*
Haricot beans	-	-	-	-	-	-	30,037	1,048	944
Chick peas	-	-	-	-	-	-	*	*	*
Lentils	-	-	-	-	-	-	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	*	*	*
Soya beans	-	-	-	-	-	-	*	*	*
Fenugreek	-	-	-	-	-	-	*	*	*
Gibto	-	-	-	-	-	-	*	*	*
<b>Oilseeds</b>	*	*	*	-	-	-	18,412	*	*
Neug	-	-	-	-	-	-	7,488	*	*
Linseed	*	*	*	-	-	-	3,022	*	*
Groundnuts	-	-	-	-	-	-	*	*	-
Safflower	-	-	-	-	-	-	*	*	*
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	7,545	*	6
<b>Vegetables</b>	-	-	-	*	*	*	173,892	2,670	-
Lettuce	-	-	-	-	-	-	4,285	*	-
Head cabbage	-	-	-	-	-	-	22,931	65	-
Ethiopian cabbage	-	-	-	-	-	-	161,964	1,135	-
Tomatoes	-	-	-	-	-	-	2,504	*	-
Green peppers	-	-	-	-	-	-	19,242	50	-
Red peppers	-	-	-	*	*	*	16,313	*	-
Swiss chard	-	-	-	-	-	-	5,240	3	-
<b>Root crops</b>	*	*	*	*	*	*	124,595	2,984	-
Beetroot	-	-	-	-	-	-	10,046	10	-
Carrot	-	-	-	-	-	-	10,151	*	-
Onion	-	-	-	-	-	-	12,816	17	-
Potatoes	*	*	*	*	*	*	71,303	1,771	-
Garlic	-	-	-	-	-	-	8,374	8	-
Taro 'Godere'	*	*	*	-	-	-	46,846	1,027	-
Sweet potatoes	-	-	-	-	-	-	7,783	*	-
<b>Other Temporary</b>	*	*	-	-	-	-	78,651	593	-
<b>Permanent crops</b>							236,465	38,057	
Avocado							39,769	217	
Bananas							52,169	559	
Guava							8,752	31	
Lemons							9,405	32	
Mangoes							11,822	51	
Oranges							47,349	644	
Papayas							32,695	72	
Pineapples							*	*	
Chat							108,117	4,738	
Coffee							94,114	2,669	
Hops / 'Gescho'							67,480	*	
Enset							219,000	27,575	
Sugar cane							26,320	*	
Other permanent							50,386	188	

(Table 1.7.1 Cont'd.)

**Gurage**

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
<b>All</b>	37,868	5,192	4,224	51,070	17,210	5,055	*	28,554	6,905
<b>Cereals</b>	18,032	5,046	4,224	43,539	17,046	*	*	21,300	6,703
Teff	2,241	*	*	27,166	*	*	*	*	*
Barley	*	*	*	8,068	634	-	-	*	*
Wheat	6,089	1,796	3,084	25,709	6,617	*	*	4,272	*
Maize	9,650	1,711	424	*	*	-	-	10,707	1,862
Sorghum	-	-	-	-	-	-	-	1,808	*
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	*	*	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	-	-	-	-	-	-	-	*	*
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	-	-	*	*
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	*	*	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	*	*	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
<b>Vegetables</b>	9,739	11	-	*	*	*	*	*	*
Lettuce	*	*	-	-	-	-	-	*	*
Head cabbage	5,828	*	-	-	-	-	-	*	*
Ethiopian cabbage	-	-	-	*	*	*	*	*	*
Tomatoes	*	*	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	*	*	*	*
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	*	*	-	-	-	-	-	*	*
<b>Root crops</b>	10,543	11	-	1,967	*	*	*	7,439	*
Beetroot	6,235	4	-	-	-	*	*	*	2
Carrot	4,608	4	-	*	*	-	-	*	*
Onion	*	*	-	-	-	-	-	*	*
Potatoes	-	-	-	*	*	-	-	*	*
Garlic	*	*	-	*	*	*	*	-	-
Taro 'Godere'	-	-	-	*	*	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
<b>Other Temporary</b>	*	*	-	*	*	*	*	*	*
<b>Permanent crops</b>				6,292	85	3,684	*	3,884	*
Avocado				-	-	*	*	*	*
Bananas				*	*	-	-	-	-
Guava				-	-	*	*	-	-
Lemons				-	-	*	*	-	-
Mangoes				-	-	-	-	-	-
Oranges				-	-	*	*	-	-
Papayas				-	-	*	*	*	*
Pineapples				-	-	-	-	-	-
Chat				1,711	*	*	*	*	*
Coffee	*	*	-	1,685	*	*	*	1,230	*
Hops / 'Geshe'				-	-	*	*	*	*
Enset				2,952	23	*	*	-	-
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
<b>All</b>	139,555	118,965	94,415	214,021	30,130	164,248	67,764	68,555
<b>Cereals</b>	96,628	83,585	77,123	62,897	5,430	151,676	59,190	56,431
Teff	29,532	27,433	17,909	6,257	423	76,961	18,612	13,155
Barley	4,104	3,790	3,694	5,655	100	42,308	3,136	3,038
Wheat	32,940	32,288	44,758	*	*	92,137	24,553	32,278
Maize	21,210	17,836	9,841	50,131	3,980	58,938	11,780	7,304
Sorghum	8,204	1,869	783	19,887	874	9,807	815	*
Finger millet	*	*	*	*	*	5,346	*	88
Oats / 'Aja'	*	*	*	*	*	*	*	*
Rice	-	-	-	-	-	-	-	-
<b>Pulses</b>	9,505	7,733	6,698	43,434	898	58,480	5,910	5,547
Horse / Faba beans	4,626	4,304	3,884	11,787	330	36,773	3,571	3,427
Field Peas	1,977	1,782	1,483	*	*	13,928	1,457	1,203
Haricot beans	2,641	1,423	*	33,235	538	16,379	687	*
Chick peas	*	*	*	*	*	*	*	*
Lentils	*	*	*	*	*	*	*	*
Vetch / Grass peas	*	*	*	*	*	*	*	*
Soya beans	*	*	-	*	*	-	-	-
Fenugreek	*	*	-	*	*	-	-	-
Gibto	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	755	241	*	*	64	5,960	160	*
Neug	-	-	-	-	-	-	-	-
Linseed	436	71	23	*	*	2,857	39	22
Groundnuts	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Rapeseed	319	*	*	*	*	3,439	*	*
<b>Vegetables</b>	2,552	2,370	169	172,097	2,137	8,198	181	119
Lettuce	*	*	-	*	*	-	-	-
Head cabbage	47	46	*	5,591	*	*	*	*
Ethiopian cabbage	1,798	1,734	45	167,351	1,693	5,465	36	42
Tomatoes	65	46	*	8,818	25	*	*	*
Green peppers	66	55	*	17,844	54	*	*	*
Red peppers	*	*	*	*	*	*	*	*
Swiss chard	*	*	-	1,577	*	-	-	-
<b>Root crops</b>	3,115	2,411	537	95,643	1,883	23,019	501	517
Beetroot	67	41	*	20,594	40	*	*	*
Carrot	9	*	*	3,750	8	*	*	*
Onion	19	18	-	10,781	18	-	-	-
Potatoes	912	737	485	26,877	263	21,443	469	479
Garlic	*	*	-	*	*	-	-	-
Taro 'Godere'	378	323	*	23,024	319	*	*	*
Sweet potatoes	1,727	1,282	*	36,865	1,232	*	*	*
<b>Other Temporary</b>	2,696	2,407	*	111,094	1,706	6,274	*	*
<b>Permanent crops</b>	24,304	20,217	*	208,001	18,012	*	*	*
Avocado	373	317	*	59,825	302	*	*	*
Bananas	1,605	995	*	88,381	587	*	*	*
Guava	1	*	*	*	*	*	*	*
Lemons	9	7	*	2,912	6	*	*	*
Mangoes	44	21	*	7,634	21	*	*	*
Oranges	14	10	*	6,490	10	*	*	*
Papayas	44	37	*	12,784	37	*	*	*
Pineapples	-	-	-	-	-	-	-	-
Chat	1,447	1,174	*	45,345	1,109	*	*	*
Coffee	5,492	3,115	*	82,160	1,632	*	*	*
Hops / 'Gescho'	83	49	*	18,101	43	*	*	*
Enset	13,777	13,669	*	197,992	13,659	*	*	*
Sugar cane	1,321	754	*	41,238	552	*	*	*
Other permanent	93	67	*	26,808	51	*	*	*

(Table 1.7.2 cont'd.)

**Hadiya**

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
<b>All</b>	4,107	827	815	63,883	20,243	25,045	219,475	133,348	106,777
<b>Cereals</b>	2,516	*	*	59,809	18,298	20,155	201,929	90,441	96,183
Teff	*	*	*	32,674	7,948	4,551	116,257	28,919	11,086
Barley	*	*	*	7,845	546	643	58,273	4,040	7,290
Wheat	*	*	*	30,835	7,511	12,159	118,293	31,253	65,195
Maize	-	-	-	11,967	2,076	*	103,691	17,387	10,241
Sorghum	*	*	-	*	*	*	87,068	8,204	2,119
Finger millet	-	-	-	1,400	*	*	11,697	*	*
Oats / 'Aja'	-	-	-	-	-	-	*	*	*
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	*	*	*	7,886	920	1,146	118,103	9,505	10,436
Horse / Faba beans	*	*	*	3,109	398	453	53,443	4,626	6,457
Field Peas	-	-	-	3,032	*	*	20,984	1,977	2,157
Haricot beans	-	-	-	*	*	*	67,926	2,641	*
Chick peas	-	-	-	-	-	-	*	*	*
Lentils	-	-	-	*	*	*	6,145	*	106
Vetch / Grass peas	-	-	-	-	-	-	*	*	*
Soya beans	-	-	-	-	-	-	*	*	*
Fenugreek	-	-	-	-	-	-	*	*	*
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	*	*	*	21,507	755	157
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	*	*	*	9,669	436	133
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	*	*	*	12,764	319	24
<b>Vegetables</b>	*	*	*	*	*	*	180,248	2,548	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	6,696	*	-
Ethiopian cabbage	-	-	-	*	*	*	174,294	1,798	-
Tomatoes	-	-	-	*	*	*	13,077	64	-
Green peppers	-	-	-	-	-	-	20,117	66	-
Red peppers	*	*	*	*	*	*	*	*	-
Swiss chard	-	-	-	-	-	-	1,577	*	-
<b>Root crops</b>	-	-	-	*	*	*	120,825	3,112	-
Beetroot	-	-	-	-	-	-	26,086	66	-
Carrot	-	-	-	-	-	-	4,682	*	-
Onion	-	-	-	-	-	-	12,910	19	-
Potatoes	-	-	-	*	*	*	55,798	912	-
Garlic	-	-	-	-	-	-	*	*	-
Taro 'Godere'	-	-	-	-	-	-	27,160	378	-
Sweet potatoes	-	-	-	*	*	*	40,559	1,727	-
<b>Other Temporary</b>	*	*	*	*	*	*	127,654	2,696	-
<b>Permanent crops</b>							210,949	24,292	
Avocado							73,576	372	
Bananas							114,312	1,605	
Guava							2,315	1	
Lemons							5,400	9	
Mangoes							11,197	*	
Oranges							9,917	14	
Papayas							17,341	43	
Pineapples							-	-	
Chat							58,085	1,447	
Coffee							107,289	5,488	
Hops / 'Geshe'							34,533	83	
Enset							201,509	13,777	
Sugar cane							64,040	1,321	
Other permanent							41,981	89	

(Table 1.7.2 Cont'd.)

**Hadiya**

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
<b>All</b>	28,594	6,207	4,827	151,819	56,653	3,002	*	22,339	6,975
<b>Cereals</b>	25,441	6,187	4,827	149,713	55,408	*	*	21,687	6,468
Teff	*	*	*	94,714	22,602	-	-	*	*
Barley	*	*	*	30,869	2,197	-	-	*	*
Wheat	4,901	1,687	3,328	104,885	29,113	-	-	4,015	*
Maize	20,697	*	*	*	*	*	*	*	*
Sorghum	-	-	-	*	*	*	*	*	*
Finger millet	-	-	-	*	*	-	-	-	-
Oats / 'Aja'	-	-	-	*	*	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	-	-	-	6,041	*	-	-	*	*
Horse / Faba beans	-	-	-	*	*	-	-	*	*
Field Peas	-	-	-	*	*	-	-	-	-
Haricot beans	-	-	-	1,583	39	-	-	*	*
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	*	*	-	-	*	*
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	*	*	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	2,266	*	-	-	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	2,266	*	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	*	*
<b>Vegetables</b>	*	*	-	*	*	2,055	*	*	*
Lettuce	*	*	-	-	-	-	-	-	-
Head cabbage	*	*	-	-	-	*	*	*	*
Ethiopian cabbage	-	-	-	*	*	1,277	*	*	*
Tomatoes	*	*	-	-	-	*	*	*	*
Green peppers	-	-	-	-	-	-	-	*	*
Red peppers	-	-	-	*	*	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	*	*	-	3,706	173	*	*	*	*
Beetroot	*	*	-	-	-	*	*	*	*
Carrot	*	*	-	-	-	-	-	*	*
Onion	-	-	-	-	-	*	*	*	*
Potatoes	-	-	-	2,432	*	-	-	-	-
Garlic	-	-	-	-	-	*	*	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	*	*	-	-	-	-
<b>Other Temporary</b>	*	*	-	*	*	*	*	*	*
<b>Permanent crops</b>				10,011	334	*	*	*	*
Avocado				*	*	-	-	-	-
Bananas				1,691	*	*	*	*	*
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	-	-	-	-
Oranges				-	-	-	-	-	-
Papayas				-	-	-	-	*	*
Pineapples				-	-	-	-	-	-
Chat				*	*	*	*	*	*
Coffee	*	*	-	*	*	-	-	*	*
Hops / 'Gescho'				-	-	-	-	-	-
Enset				-	-	*	*	-	-
Sugar cane				-	-	*	*	*	*
Other permanent				*	*	-	-	*	*

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

**Kembata-Tembaro**

Crop type	All	All Fertilizers		Natural		DAP		
	Crop Area	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
<b>All</b>	51,440	45,550	30,287	110,614	19,001	67,685	18,417	18,256
<b>Cereals</b>	25,586	23,768	22,160	24,173	1,444	58,222	15,560	13,039
Teff	8,943	8,659	6,006	3,023	133	36,925	6,931	4,759
Barley	1,268	1,223	1,196	5,303	*	9,064	650	692
Wheat	10,706	10,549	13,432	5,361	257	24,895	5,676	6,323
Maize	*	*	*	6,876	*	*	*	*
Sorghum	1,724	468	48	9,694	366	*	*	*
Finger millet	*	*	*	*	*	*	*	*
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
<b>Pulses</b>	3,854	3,212	2,630	37,662	1,261	19,524	1,516	1,848
Horse / Faba beans	1,845	1,707	984	23,447	723	11,756	716	685
Field Peas	781	522	581	5,751	*	4,346	254	435
Haricot beans	1,196	*	1,056	19,441	363	9,055	*	*
Chick peas	*	*	-	*	*	-	-	-
Lentils	*	*	-	*	*	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	*	*	*	*	*	*	*	*
Fenugreek	*	*	-	*	*	-	-	-
Gibto	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	*	*	6	3,108	*	*	*	*
Neug	*	*	-	*	*	-	-	-
Linseed	*	*	6	*	*	*	*	*
Groundnuts	*	*	-	*	*	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Rapeseed	*	*	-	*	*	-	-	-
<b>Vegetables</b>	1,095	1,066	798	81,241	876	4,446	*	418
Lettuce	*	*	-	*	*	-	-	-
Head cabbage	*	*	*	5,253	24	*	*	*
Ethiopian cabbage	839	825	*	79,697	778	2,348	*	*
Tomatoes	*	*	*	6,019	*	-	-	-
Green peppers	10	10	*	5,639	9	-	-	-
Red peppers	*	*	*	917	*	*	*	*
Swiss chard	*	*	-	*	*	-	-	-
<b>Root crops</b>	4,926	4,090	2,689	74,224	2,551	18,158	841	1,528
Beetroot	42	36	*	8,248	24	*	*	*
Carrot	*	*	*	2,160	*	*	*	*
Onion	*	*	*	2,299	*	*	*	*
Potatoes	1,837	1,795	2,514	25,436	361	16,688	782	1,444
Garlic	*	*	*	*	*	*	*	*
Taro 'Godere'	969	831	*	28,571	827	*	*	*
Sweet potatoes	1,946	1,311	*	38,721	1,292	*	*	*
<b>Other Temporary</b>	2,549	1,680	270	57,839	1,512	3,253	84	122
<b>Permanent crops</b>	13,105	11,443		109,771	11,078			
Avocado	442	334		50,314	323			
Bananas	1,133	815		53,720	654			
Guava	*	*		*	*			
Lemons	*	*		2,590	*			
Mangoes	73	55		12,968	50			
Oranges	27	17		5,192	17			
Papayas	16	14		4,421	14			
Pineapples	-	-		-	-			
Chat	328	200		11,954	200			
Coffee	2,568	2,024		61,760	1,869			
Hops / 'Gescho'	70	42		14,073	34			
Enset	7,591	7,465		107,773	7,463			
Sugar cane	798	429		28,907	408			
Other permanent	42	31		16,594	30			

(Table 1.7.3 cont'd.)

**Kembata-Tembaro**

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
<b>All</b>	2,499	204	188	31,782	7,928	11,843	114,183	50,660	32,447
<b>Cereals</b>	1,322	130	89	27,422	6,633	9,032	90,967	24,815	28,908
Teff	*	*	*	9,470	1,567	1,223	48,774	8,884	3,250
Barley	*	*	*	4,925	344	485	20,154	1,268	2,459
Wheat	*	*	*	21,982	4,552	7,068	48,542	10,018	22,106
Maize	*	*	*	848	*	*	12,528	*	*
Sorghum	-	-	-	*	*	*	24,906	1,724	330
Finger millet	-	-	-	*	*	*	4,281	*	*
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	*	*	*	7,286	428	769	60,924	3,854	3,337
Horse / Faba beans	*	*	*	3,356	264	296	38,936	1,845	1,845
Field Peas	*	*	*	1,855	*	*	16,220	781	519
Haricot beans	*	*	*	3,167	*	*	34,659	1,196	959
Chick peas	-	-	-	-	-	-	*	*	*
Lentils	-	-	-	-	-	-	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	1,477	*	*
Fenugreek	-	-	-	-	-	-	*	*	*
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	*	*	*	4,714	*	*
Neug	-	-	-	-	-	-	*	*	*
Linseed	-	-	-	*	*	*	2,155	*	*
Groundnuts	-	-	-	-	-	-	*	*	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	*	-	-
Rapeseed	-	-	-	-	-	-	*	*	*
<b>Vegetables</b>	*	*	*	2,693	74	378	83,857	1,095	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	-	-	-	*	*	*	7,824	*	-
Ethiopian cabbage	*	*	*	918	*	*	81,741	839	-
Tomatoes	-	-	-	*	*	*	6,763	*	-
Green peppers	-	-	-	*	*	*	5,799	10	-
Red peppers	-	-	-	*	*	*	2,575	*	-
Swiss chard	-	-	-	-	-	-	*	*	-
<b>Root crops</b>	1,520	23	*	10,567	674	1,128	92,498	4,919	-
Beetroot	-	-	-	*	*	*	9,214	42	-
Carrot	-	-	-	*	*	*	4,744	*	-
Onion	-	-	-	-	-	-	3,455	*	-
Potatoes	662	*	*	9,463	637	1,056	44,282	1,829	-
Garlic	-	-	-	-	-	-	*	*	-
Taro 'Godere'	*	*	*	*	*	*	32,609	969	-
Sweet potatoes	*	*	*	-	-	-	46,252	1,946	-
<b>Other Temporary</b>	*	*	*	1,246	*	*	68,072	2,549	-
<b>Permanent crops</b>							112,621	13,103	
Avocado							62,437	442	
Bananas							65,594	1,133	
Guava							1,993	*	
Lemons							3,271	*	
Mangoes							17,157	73	
Oranges							8,616	27	
Papayas							5,435	16	
Pineapples							-	-	
Chat							14,858	328	
Coffee							68,675	2,568	
Hops / 'Geshe'							22,487	70	
Enset							109,783	7,591	
Sugar cane							35,591	798	
Other permanent							27,067	40	



(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
<b>All</b>	5,936	780	2,112	49,661	12,581	1,626	94	2,122	356
<b>Cereals</b>	4,910	771	2,112	41,596	11,490	*	*	1,767	342
Teff	*	*	*	26,665	4,541	*	*	*	*
Barley	-	-	-	*	*	-	-	-	-
Wheat	4,399	688	1,938	27,591	6,573	-	-	*	*
Maize	*	*	*	-	-	-	-	*	*
Sorghum	-	-	-	-	-	*	*	-	-
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	-	-	-	*	*	*	*	-	-
Horse / Faba beans	-	-	-	*	*	-	-	-	-
Field Peas	-	-	-	*	*	-	-	-	-
Haricot beans	-	-	-	*	*	*	*	-	-
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	*	*	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	*	*	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
<b>Vegetables</b>	*	*	-	2,053	*	*	*	*	*
Lettuce	*	*	-	-	-	*	*	*	*
Head cabbage	-	-	-	*	*	*	*	-	-
Ethiopian cabbage	-	-	-	*	*	*	*	-	-
Tomatoes	-	-	-	*	*	-	-	-	-
Green peppers	-	-	-	-	-	-	-	-	-
Red peppers	-	-	-	*	*	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	*	*	-	13,143	863	*	*	*	*
Beetroot	-	-	-	*	*	-	-	-	-
Carrot	-	-	-	*	*	-	-	-	-
Onion	-	-	-	-	-	-	-	-	-
Potatoes	*	*	-	12,818	853	*	*	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	*	*
<b>Other Temporary</b>	-	-	-	641	*	*	*	-	-
<b>Permanent crops</b>				2,352	*	*	*	*	*
Avocado				-	-	-	-	-	-
Bananas				*	*	*	*	*	*
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	*	*
Mangoes				-	-	-	-	-	-
Oranges				-	-	*	*	-	-
Papayas				-	-	-	-	-	-
Pineapples				-	-	-	-	-	-
Chat				*	*	-	-	-	-
Coffee	-	-	-	*	*	*	*	*	*
Hops / 'Geshe'				*	*	-	-	-	-
Enset				*	*	-	-	-	-
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
<b>All</b>	201,205	123,492	70,628	520,681	79,332	141,680	34,605	46,948
<b>Cereals</b>	55,186	33,472	41,487	106,981	4,848	120,762	22,533	29,174
Teff	2,345	973	876	2,641	*	7,162	747	821
Barley	11,885	3,411	1,989	*	*	15,586	1,689	1,982
Wheat	5,752	3,347	*	*	*	23,264	3,078	*
Maize	34,930	25,691	34,361	96,378	2,827	93,260	17,018	22,249
Sorghum	*	*	-	*	*	-	-	-
Finger millet	*	-	-	-	-	-	-	-
Oats / 'Aja'	*	*	-	*	*	-	-	-
Rice	-	-	-	-	-	-	-	-
<b>Pulses</b>	23,852	13,862	18,385	61,913	2,407	58,450	10,319	13,329
Horse / Faba beans	4,194	*	*	27,547	*	*	*	*
Field Peas	2,370	*	*	*	*	*	*	*
Haricot beans	17,276	12,079	16,289	34,384	1,209	42,936	*	*
Chick peas	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	*	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	121	*	*	4,690	*	*	*	*
Neug	-	-	-	-	-	-	-	-
Linseed	*	*	*	*	*	*	*	*
Groundnuts	*	-	-	-	-	-	-	-
Safflower	*	*	-	*	*	-	-	-
Sesame	-	-	-	-	-	-	-	-
Rapeseed	*	*	-	*	*	-	-	-
<b>Vegetables</b>	3,898	3,090	*	275,980	2,762	5,483	*	*
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	*	*	-	-	-
Ethiopian cabbage	3,339	2,860	*	263,332	2,531	5,483	*	*
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	269	124	-	39,691	124	-	-	-
Red peppers	*	*	-	*	*	-	-	-
Swiss chard	*	*	-	*	*	-	-	-
<b>Root crops</b>	4,300	1,900	*	72,800	1,317	*	*	*
Beetroot	*	*	-	*	*	-	-	-
Carrot	*	*	-	*	*	-	-	-
Onion	*	*	-	*	*	-	-	-
Potatoes	1,181	884	*	15,208	476	*	*	*
Garlic	*	*	-	*	*	-	-	-
Taro 'Godere'	54	32	-	13,441	32	-	-	-
Sweet potatoes	2,986	926	*	35,708	750	*	*	*
<b>Other Temporary</b>	1,831	1,401	*	128,074	1,362	*	*	*
<b>Permanent crops</b>	112,016	69,720		512,621	66,615			
Avocado	779	339		52,109	310			
Bananas	2,891	1,714		114,386	1,543			
Guava	25	*		*	*			
Lemons	*	*		*	*			
Mangoes	*	*		*	*			
Oranges	13	7		5,226	7			
Papayas	4	*		*	*			
Pineapples	*	*		*	*			
Chat	13,611	4,714		101,172	4,011			
Coffee	27,395	12,534		233,354	10,957			
Hops / 'Gescho'	385	93		11,329	72			
Enset	62,052	49,188		500,520	48,690			
Sugar cane	4,111	1,041		56,056	989			
Other permanent	80	*		11,464	*			

(Table 1.7.4 cont'd.)

**Sidama**

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
<b>All</b>	7,475	*	*	43,586	8,659	22,227	599,501	192,425	72,489
<b>Cereals</b>	*	*	*	33,752	5,776	11,827	312,677	47,472	49,882
Teff	-	-	-	*	*	*	29,533	2,287	1,770
Barley	*	*	*	-	-	-	87,049	11,634	21,385
Wheat	-	-	-	*	*	*	45,827	4,883	10,754
Maize	*	*	*	31,688	5,573	11,633	245,237	28,395	15,894
Sorghum	-	-	-	-	-	-	6,530	*	*
Finger millet	-	-	-	-	-	-	*	*	*
Oats / 'Aja'	-	-	-	-	-	-	*	*	*
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	*	*	*	14,033	*	*	224,579	23,776	22,531
Horse / Faba beans	-	-	-	-	-	-	76,651	4,118	5,411
Field Peas	-	-	-	-	-	-	39,402	2,370	1,782
Haricot beans	*	*	*	14,033	*	*	131,910	17,276	15,334
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	*	*	*
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	-	-	-	8,025	121	76
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	4,174	*	*
Groundnuts	-	-	-	-	-	-	*	*	*
Safflower	-	-	-	-	-	-	*	*	*
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	*	*	*
<b>Vegetables</b>	*	*	-	*	*	*	334,864	3,882	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	*	*	-
Ethiopian cabbage	*	*	-	*	*	*	308,753	3,338	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	62,856	269	-
Red peppers	-	-	-	-	-	-	*	*	-
Swiss chard	-	-	-	-	-	-	*	*	-
<b>Root crops</b>	-	-	-	*	*	*	155,184	4,292	-
Beetroot	-	-	-	-	-	-	*	*	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	-	-	-	-	-	-	*	*	-
Potatoes	-	-	-	*	*	*	40,577	1,181	-
Garlic	-	-	-	-	-	-	*	*	-
Taro 'Godere'	-	-	-	-	-	-	18,562	54	-
Sweet potatoes	-	-	-	*	*	*	93,963	2,986	-
<b>Other Temporary</b>	-	-	-	*	*	*	166,434	1,831	-
<b>Permanent crops</b>							594,901	111,050	
Avocado							120,565	779	
Bananas							190,177	2,891	
Guava							13,497	25	
Lemons							*	*	
Mangoes							*	*	
Oranges							7,864	13	
Papayas							4,820	4	
Pineapples							*	*	
Chat							265,280	13,611	
Coffee							345,399	26,429	
Hops / 'Gescho'							33,355	385	
Enset							582,429	62,052	
Sugar cane							150,974	4,111	
Other permanent							25,195	80	

(Table 1.7.4 Cont'd.)

**Sidama**

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
<b>All</b>	58,373	8,780	6,439	16,554	583	6,606	309	48,501	11,645
<b>Cereals</b>	46,102	7,715	6,342	*	*	-	-	38,548	8,530
Teff	*	*	*	*	*	-	-	*	*
Barley	*	*	*	*	*	-	-	*	*
Wheat	*	*	*	-	-	-	-	*	*
Maize	38,880	6,535	2,673	-	-	-	-	36,183	*
Sorghum	-	-	-	-	-	-	-	-	-
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	*	*	*	-	-	*	*	13,960	*
Horse / Faba beans	*	*	*	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	*	*	13,960	*
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
<b>Vegetables</b>	*	*	-	*	*	*	*	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	-	-	-	-	*	*
Ethiopian cabbage	*	*	-	*	*	-	-	*	*
Tomatoes	*	*	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	*	*	-	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	*	*	-	-	-	-	-	-	-
<b>Root crops</b>	*	*	-	-	-	-	-	-	-
Beetroot	*	*	-	-	-	-	-	-	-
Carrot	*	*	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
<b>Other Temporary</b>	-	-	-	-	-	*	*	-	-
<b>Permanent crops</b>				14,476	487	*	*	10,119	*
Avocado				*	*	-	-	*	*
Bananas				-	-	*	*	*	*
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	-	-	-	-
Oranges				-	-	-	-	-	-
Papayas				-	-	-	-	-	-
Pineapples				-	-	-	-	*	*
Chat				*	*	*	*	*	*
Coffee	8,796	*	-	*	*	*	*	*	*
Hops / 'Gesho'				-	-	-	-	-	-
Enset				2,690	*	*	*	-	-
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
<b>All</b>	53,827	18,610	*	108,239	15,484	9,426	2,385	*
<b>Cereals</b>	10,642	3,682	2,954	18,625	980	9,048	*	*
Teff	33	*	*	-	-	-	-	-
Barley	3,671	734	*	*	*	*	*	*
Wheat	*	*	*	*	*	*	*	*
Maize	6,694	2,866	*	13,946	475	8,577	*	*
Sorghum	*	-	-	-	-	-	-	-
Finger millet	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
<b>Pulses</b>	2,827	535	*	18,475	444	*	*	*
Horse / Faba beans	1,921	364	*	7,013	*	*	*	*
Field Peas	501	*	-	*	*	-	-	-
Haricot beans	404	149	*	11,872	148	-	-	-
Chick peas	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	22	*	-	*	*	-	-	-
Neug	-	-	-	-	-	-	-	-
Linseed	6	-	-	-	-	-	-	-
Groundnuts	*	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Rapeseed	*	*	-	*	*	-	-	-
<b>Vegetables</b>	1,256	781	*	71,339	775	*	*	*
Lettuce	*	-	-	-	-	-	-	-
Head cabbage	*	*	-	*	*	-	-	-
Ethiopian cabbage	1,215	767	*	69,875	760	*	*	*
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	36	11	-	6,626	11	-	-	-
Red peppers	*	*	-	*	*	-	-	-
Swiss chard	*	*	-	*	*	-	-	-
<b>Root crops</b>	540	228	*	19,627	200	*	*	*
Beetroot	*	*	-	*	*	-	-	-
Carrot	*	-	-	-	-	-	-	-
Onion	*	-	-	-	-	-	-	-
Potatoes	*	*	-	*	*	-	-	-
Garlic	*	*	-	*	*	-	-	-
Taro 'Godere'	292	110	-	14,365	101	*	*	-
Sweet potatoes	226	114	*	5,424	95	*	*	*
<b>Other Temporary</b>	330	155	-	26,778	153	*	*	-
<b>Permanent crops</b>	38,210	13,225		95,057	12,929			
Avocado	402	194		19,241	192			
Bananas	605	274		10,252	215			
Guava	*	-		-	-			
Lemons	*	-		-	-			
Mangoes	*	*		*	*			
Oranges	*	*		*	*			
Papayas	*	*		*	*			
Pineapples	-	-		-	-			
Chat	*	*		1,823	*			
Coffee	18,715	5,289		70,185	5,156			
Hops / 'Geshe'	*	12		2,542	12			
Enset	16,952	7,117		87,766	7,020			
Sugar cane	525	237		11,711	237			
Other permanent	22	*		*	*			

(Table 1.7.5 cont'd.)

**Gedio**

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
<b>All</b>	1,883	*	128	3,029	*	*	153,974	50,670	9,861
<b>Cereals</b>	1,883	*	80	3,029	*	*	60,184	8,905	7,175
Teff	*	*	*	*	*	*	1,178	33	*
Barley	*	*	*	*	*	*	24,338	3,569	4,150
Wheat	*	*	*	-	-	-	2,579	*	*
Maize	*	*	41	*	*	*	49,906	5,058	2,544
Sorghum	-	-	-	-	-	-	860	*	*
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	-	-	-	*	*	*	49,167	2,827	2,682
Horse / Faba beans	-	-	-	-	-	-	28,252	1,921	1,804
Field Peas	-	-	-	-	-	-	6,037	501	485
Haricot beans	-	-	-	*	*	*	23,483	404	393
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	-	-	-	2,242	22	4
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	*	6	*
Groundnuts	-	-	-	-	-	-	*	*	*
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	1,186	*	*
<b>Vegetables</b>	-	-	-	*	*	*	96,589	1,247	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	*	*	-
Ethiopian cabbage	-	-	-	*	*	*	94,012	1,208	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	13,646	35	-
Red peppers	-	-	-	-	-	-	*	*	-
Swiss chard	-	-	-	-	-	-	*	*	-
<b>Root crops</b>	-	-	-	-	-	-	37,628	539	-
Beetroot	-	-	-	-	-	-	1,027	*	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	-	-	-	-	-	-	*	*	-
Potatoes	-	-	-	-	-	-	*	*	-
Garlic	-	-	-	-	-	-	*	*	-
Taro 'Godere'	-	-	-	-	-	-	24,234	292	-
Sweet potatoes	-	-	-	-	-	-	14,386	226	-
<b>Other Temporary</b>	-	-	-	-	-	-	43,218	330	-
<b>Permanent crops</b>							152,678	36,801	
Avocado							39,327	402	
Bananas							21,839	605	
Guava							*	*	
Lemons							*	*	
Mangoes							*	*	
Oranges							1,297	*	
Papayas							*	*	
Pineapples							-	-	
Chat							7,843	*	
Coffee							122,610	17,312	
Hops / 'Geshe'							9,022	*	
Enset							146,747	16,951	
Sugar cane							22,512	525	
Other permanent							8,625	22	

(Table 1.7.5 Cont'd.)

**Gedio**

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
<b>All</b>	21,225	3,157	752	*	*	1,996	65	11,499	2,917
<b>Cereals</b>	7,345	1,738	752	*	*	*	*	9,328	*
Teff	-	-	-	-	-	-	-	-	-
Barley	*	*	*	-	-	-	-	*	*
Wheat	-	-	-	-	-	-	-	*	*
Maize	7,345	1,636	580	*	*	*	*	9,328	*
Sorghum	-	-	-	-	-	-	-	-	-
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	-	-	-	*	*	*	*	*	*
Horse / Faba beans	-	-	-	*	*	*	*	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	-	-	*	*
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
<b>Vegetables</b>	803	*	-	*	*	-	-	*	*
Lettuce	*	*	-	-	-	-	-	*	*
Head cabbage	*	*	-	-	-	-	-	*	*
Ethiopian cabbage	*	*	-	*	*	-	-	*	*
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	*	*	-	-	-	-	-	-	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	*	*	-	-	-	-	-	*	*
<b>Root crops</b>	*	*	-	-	-	-	-	*	*
Beetroot	*	*	-	-	-	-	-	*	*
Carrot	*	*	-	-	-	-	-	-	-
Onion	*	*	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	*	*
<b>Other Temporary</b>	-	-	-	-	-	*	*	*	*
<b>Permanent crops</b>				*	*	885	*	4,326	*
Avocado				-	-	-	-	*	*
Bananas				-	-	-	-	*	*
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	-	-	*	*
Oranges				-	-	-	-	-	-
Papayas				-	-	-	-	-	-
Pineapples				-	-	-	-	-	-
Chat				-	-	-	-	*	*
Coffee	12,856	*	-	*	*	*	*	*	*
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
<b>All</b>	110,070	82,448	23,248	255,491	50,760	147,714	29,937	21,057
<b>Cereals</b>	43,563	31,827	16,816	75,499	8,084	115,116	22,082	14,713
Teff	17,024	15,760	9,848	4,004	180	90,217	15,472	9,770
Barley	660	483	335	5,341	90	5,821	269	259
Wheat	3,443	3,300	2,463	7,440	503	20,675	1,886	1,541
Maize	19,821	11,240	4,142	51,426	6,555	25,570	4,181	3,119
Sorghum	2,607	1,040	28	24,487	752	1,855	274	24
Finger millet	-	-	-	-	-	-	-	-
Oats / 'Aja'	7	3	-	331	3	-	-	-
Rice	-	-	-	-	-	-	-	-
<b>Pulses</b>	15,362	10,842	3,483	105,576	5,631	56,413	5,194	3,456
Horse / Faba beans	1,487	867	87	31,623	823	1,758	44	87
Field Peas	1,964	999	81	29,688	906	2,277	93	81
Haricot beans	10,866	8,240	3,245	73,578	3,363	52,033	4,860	3,218
Chick peas	1,005	723	70	6,796	526	2,311	197	70
Lentils	33	6	-	1,190	6	-	-	-
Vetch / Grass peas	3	3	-	373	3	-	-	-
Soya beans	5	4	-	666	4	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	236	47	65	2,370	39	372	8	65
Neug	-	-	-	-	-	-	-	-
Linseed	5	1	-	313	1	-	-	-
Groundnuts	37	27	-	1,065	27	-	-	-
Safflower	3	-	-	-	-	-	-	-
Sesame	180	8	65	-	-	372	8	65
Rapeseed	11	11	-	993	11	-	-	-
<b>Vegetables</b>	1,594	849	19	98,907	836	1,115	12	19
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	81	81	-	2,295	81	-	-	-
Ethiopian cabbage	548	498	-	87,311	498	-	-	-
Tomatoes	26	26	-	1,634	26	-	-	-
Green peppers	64	57	*	10,503	56	693	1	*
Red peppers	874	187	18	13,388	176	422	11	18
Swiss chard	*	*	-	313	*	-	-	-
<b>Root crops</b>	21,915	17,425	2,081	214,643	14,954	28,869	2,398	2,021
Beetroot	23	23	-	1,647	23	-	-	-
Carrot	51	50	16	1,289	50	352	*	16
Onion	30	22	-	3,498	22	-	-	-
Potatoes	3,372	3,222	1,875	45,599	820	25,855	2,338	1,832
Garlic	-	-	-	-	-	-	-	-
Taro 'Godere'	2,900	2,476	24	115,825	2,467	649	9	24
Sweet potatoes	15,540	11,632	165	194,845	11,572	2,663	52	148
<b>Other Temporary</b>	8,000	4,053	22	129,072	4,037	1,008	16	22
<b>Permanent crops</b>	19,401	17,405		242,331	17,180			
Avocado	924	718		104,539	718			
Bananas	1,429	1,033		98,283	997			
Guava	15	8		3,673	8			
Lemons	17	9		3,196	9			
Mangoes	579	181		33,826	179			
Oranges	100	90		13,061	62			
Papayas	48	33		21,411	33			
Pineapples	9	9		1,324	9			
Chat	56	51		6,237	51			
Coffee	5,558	5,011		167,995	4,852			
Hops / 'Geshe'	27	24		7,957	24			
Enset	9,829	9,612		223,401	9,611			
Sugar cane	748	578		70,271	578			
Other permanent	64	49		11,491	49			



(Table 1.7.6 cont'd.)

**Wolayita**

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
<b>All</b>	636	57	63	7,503	1,694	2,129	274,549	108,330	29,106
<b>Cereals</b>	636	40	35	6,880	1,622	2,068	193,636	42,020	19,646
Teff	330	25	31	1,010	83	47	102,080	16,618	8,174
Barley	-	-	-	352	123	77	16,241	660	943
Wheat	-	-	-	4,129	912	922	33,926	3,047	5,063
Maize	-	-	-	2,093	503	1,023	89,286	19,080	5,076
Sorghum	306	14	4	-	-	-	46,490	2,607	390
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	648	7	-
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	330	17	27	-	-	-	178,978	15,352	9,451
Horse / Faba beans	-	-	-	-	-	-	46,263	1,484	1,205
Field Peas	-	-	-	-	-	-	48,392	1,958	1,532
Haricot beans	330	17	27	-	-	-	138,740	10,866	6,350
Chick peas	-	-	-	-	-	-	13,504	1,005	350
Lentils	-	-	-	-	-	-	2,953	33	12
Vetch / Grass peas	-	-	-	-	-	-	373	3	-
Soya beans	-	-	-	-	-	-	989	5	1
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	-	-	-	4,393	56	9
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	1,313	5	2
Groundnuts	-	-	-	-	-	-	1,428	37	6
Safflower	-	-	-	-	-	-	650	3	*
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	1,003	11	-
<b>Vegetables</b>	-	-	-	-	-	-	112,705	1,594	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	2,620	81	-
Ethiopian cabbage	-	-	-	-	-	-	95,344	548	-
Tomatoes	-	-	-	-	-	-	1,634	26	-
Green peppers	-	-	-	-	-	-	14,850	64	-
Red peppers	-	-	-	-	-	-	19,271	874	-
Swiss chard	-	-	-	-	-	-	313	*	-
<b>Root crops</b>	-	-	-	978	72	60	243,247	21,912	-
Beetroot	-	-	-	-	-	-	1,647	23	-
Carrot	-	-	-	-	-	-	1,976	51	-
Onion	-	-	-	-	-	-	4,454	30	-
Potatoes	-	-	-	623	64	43	74,111	3,372	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	128,169	2,900	-
Sweet potatoes	-	-	-	354	8	17	228,081	15,537	-
<b>Other Temporary</b>	-	-	-	-	-	-	149,761	8,000	-
<b>Permanent crops</b>	-	-	-	-	-	-	254,116	19,397	-
Avocado	-	-	-	-	-	-	128,017	924	-
Bananas	-	-	-	-	-	-	122,571	1,429	-
Guava	-	-	-	-	-	-	7,171	15	-
Lemons	-	-	-	-	-	-	5,983	17	-
Mangoes	-	-	-	-	-	-	50,162	579	-
Oranges	-	-	-	-	-	-	18,956	100	-
Papayas	-	-	-	-	-	-	25,817	48	-
Pineapples	-	-	-	-	-	-	1,324	9	-
Chat	-	-	-	-	-	-	7,511	56	-
Coffee	-	-	-	-	-	-	186,471	5,554	-
Hops / 'Geshe'	-	-	-	-	-	-	8,869	27	-
Enset	-	-	-	-	-	-	228,674	9,829	-
Sugar cane	-	-	-	-	-	-	86,551	748	-
Other permanent	-	-	-	-	-	-	16,132	64	-

(Table 1.7.6 Cont'd.)

**Wolayita**

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
<b>All</b>	8,806	1,740	1,448	9,740	310	1,363	180	15,592	3,236
<b>Cereals</b>	6,054	1,543	1,418	3,028	196	-	-	13,521	2,912
Teff	2,006	406	246	1,915	157	-	-	8,954	1,290
Barley	-	-	-	422	4	-	-	-	-
Wheat	1,773	395	812	354	20	-	-	2,756	437
Maize	2,941	742	360	337	15	-	-	4,137	1,185
Sorghum	-	-	-	-	-	-	-	*	*
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	317	10	13	965	56	-	-	4,631	278
Horse / Faba beans	307	3	9	327	7	-	-	-	-
Field Peas	307	6	4	322	4	-	-	322	3
Haricot beans	-	-	-	644	45	-	-	4,310	275
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	*	*	*	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	1,445	180	17	-	-	325	*	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	325	*	-	-
Sesame	1,445	180	17	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
<b>Vegetables</b>	-	-	-	339	*	325	32	-	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	325	1	-	-
Ethiopian cabbage	-	-	-	339	*	-	-	-	-
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	-	-	-	-
Red peppers	-	-	-	-	-	325	31	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	346	3	-	1,666	32	678	8	398	4
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	325	7	-	-
Potatoes	-	-	-	373	8	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	646	3	-	-	-	-
Sweet potatoes	346	3	-	647	21	678	2	398	4
<b>Other Temporary</b>	-	-	-	1,010	21	-	-	382	2
<b>Permanent crops</b>	-	-	-	2,732	5	1,011	140	989	40
Avocado	-	-	-	-	-	1,011	12	321	*
Bananas	-	-	-	993	1	325	37	-	-
Guava	-	-	-	-	-	-	-	-	-
Lemons	-	-	-	-	-	-	-	-	-
Mangoes	-	-	-	-	-	325	23	667	40
Oranges	-	-	-	729	1	325	*	-	-
Papayas	-	-	-	-	-	325	10	-	-
Pineapples	-	-	-	-	-	-	-	-	-
Chat	-	-	-	-	-	325	*	-	-
Coffee	322	4	-	-	-	658	14	-	-
Hops / 'Geshe'	-	-	-	373	*	-	-	-	-
Enset	-	-	-	322	1	658	40	-	-
Sugar cane	-	-	-	316	1	-	-	-	-
Other permanent	-	-	-	-	-	325	3	-	-

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
<b>All</b>	49,329	2,702	725	19,601	2,147	*	*	*
<b>Cereals</b>	30,112	528	*	1,454	*	*	*	*
Teff	3,474	-	-	-	-	-	-	-
Barley	3,474	*	-	*	*	-	-	-
Wheat	937	*	*	-	-	-	-	-
Maize	10,262	321	250	914	*	*	*	*
Sorghum	11,687	*	-	*	*	-	-	-
Finger millet	*	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
<b>Pulses</b>	5,819	*	*	*	*	*	*	*
Horse / Faba beans	2,284	*	-	*	*	-	-	-
Field Peas	1,114	*	-	*	*	-	-	-
Haricot beans	2,321	*	*	591	*	*	*	*
Chick peas	-	-	-	-	-	-	-	-
Lentils	*	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	*	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	944	*	-	*	*	-	-	-
Neug	-	-	-	-	-	-	-	-
Linseed	*	-	-	-	-	-	-	-
Groundnuts	*	*	-	*	*	-	-	-
Safflower	246	*	-	*	*	-	-	-
Sesame	528	*	-	*	*	-	-	-
Rapeseed	*	-	-	-	-	-	-	-
<b>Vegetables</b>	337	113	-	9,165	113	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	*	*	-	-	-
Ethiopian cabbage	285	99	-	8,577	99	-	-	-
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	*	*	-	683	*	-	-	-
Red peppers	*	*	-	*	*	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
<b>Root crops</b>	1,519	51	*	7,312	49	-	-	-
Beetroot	*	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	108	*	-	*	*	-	-	-
Potatoes	*	*	-	*	*	-	-	-
Garlic	18	*	-	3,580	*	-	-	-
Taro 'Godere'	829	*	*	2,161	*	-	-	-
Sweet potatoes	350	*	-	*	*	-	-	-
<b>Other Temporary</b>	2,026	93	-	7,103	93	-	-	-
<b>Permanent crops</b>	8,572	1,797	-	14,832	1,742	-	-	-
Avocado	10	*	-	*	*	-	-	-
Bananas	567	*	-	700	*	-	-	-
Guava	*	-	-	-	-	-	-	-
Lemons	*	-	-	-	-	-	-	-
Mangoes	44	*	-	*	*	-	-	-
Oranges	*	-	-	-	-	-	-	-
Papayas	30	*	-	*	*	-	-	-
Pineapples	*	-	-	-	-	-	-	-
Chat	*	-	-	-	-	-	-	-
Coffee	2,747	*	-	1,852	*	-	-	-
Hops / 'Gescho'	13	-	-	-	-	-	-	-
Enset	4,577	1,715	-	13,900	1,660	-	-	-
Sugar cane	136	-	-	-	-	-	-	-
Other permanent	*	*	-	402	*	-	-	-

(Table 1.7.7 cont'd.)

**South Omo**

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
<b>All</b>	*	*	-	1,050	480	655	93,600	48,534	10,994
<b>Cereals</b>	-	-	-	1,050	447	*	80,964	29,324	8,284
Teff	-	-	-	-	-	-	12,313	3,474	1,410
Barley	-	-	-	-	-	-	15,974	3,474	2,267
Wheat	-	-	-	*	*	*	6,988	777	670
Maize	-	-	-	611	*	215	48,852	9,674	3,171
Sorghum	-	-	-	-	-	-	34,222	11,647	736
Finger millet	-	-	-	-	-	-	*	*	*
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	-	-	-	*	*	*	52,905	5,819	2,565
Horse / Faba beans	-	-	-	-	-	-	20,416	2,284	1,519
Field Peas	-	-	-	-	-	-	9,990	1,114	394
Haricot beans	-	-	-	*	*	*	34,844	2,321	618
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	1,656	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	*	*	*
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	-	-	-	18,108	944	145
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	3,114	*	*
Groundnuts	-	-	-	-	-	-	667	*	*
Safflower	-	-	-	-	-	-	10,953	246	29
Sesame	-	-	-	-	-	-	3,800	528	41
Rapeseed	-	-	-	-	-	-	*	*	*
<b>Vegetables</b>	-	-	-	-	-	-	30,606	337	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	*	*	-
Ethiopian cabbage	-	-	-	-	-	-	25,910	285	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	3,311	*	-
Red peppers	-	-	-	-	-	-	1,762	*	-
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	-	-	-	*	*	*	46,019	1,519	-
Beetroot	-	-	-	-	-	-	*	*	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	8,569	108	-
Potatoes	-	-	-	-	-	-	4,617	*	-
Garlic	-	-	-	-	-	-	5,465	18	-
Taro 'Godere'	-	-	-	*	*	*	27,869	829	-
Sweet potatoes	-	-	-	-	-	-	13,208	350	-
<b>Other Temporary</b>	-	-	-	-	-	-	39,922	2,026	-
<b>Permanent crops</b>	-	-	-	-	-	-	75,447	8,565	-
Avocado	-	-	-	-	-	-	3,743	10	-
Bananas	-	-	-	-	-	-	27,984	567	-
Guava	-	-	-	-	-	-	*	*	-
Lemons	-	-	-	-	-	-	*	*	-
Mangoes	-	-	-	-	-	-	8,780	44	-
Oranges	-	-	-	-	-	-	*	*	-
Papayas	-	-	-	-	-	-	8,446	30	-
Pineapples	-	-	-	-	-	-	*	*	-
Chat	-	-	-	-	-	-	1,792	*	-
Coffee	-	-	-	-	-	-	36,683	2,747	-
Hops / 'Geshe'	-	-	-	-	-	-	1,803	13	-
Enset	-	-	-	-	-	-	55,913	4,570	-
Sugar cane	-	-	-	-	-	-	6,438	136	-
Other permanent	-	-	-	-	-	-	15,661	*	-

(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
<b>All</b>	2,936	795	287	*	*	*	*	*	*
<b>Cereals</b>	2,770	788	287	*	*	*	*	*	*
Teff	-	-	-	*	*	-	-	-	-
Barley	-	-	-	-	-	*	*	*	*
Wheat	*	*	*	*	*	-	-	*	*
Maize	2,204	589	150	*	*	*	*	*	*
Sorghum	*	*	-	-	-	-	-	-	-
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	-	-	-	*	*	*	*	*	*
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	*	*	*	*	*	*
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	*	*	*	*
<b>Oilseeds</b>	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	*	*	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	*	*
Sesame	-	-	-	-	-	-	-	*	*
Rapeseed	-	-	-	-	-	-	-	-	-
<b>Vegetables</b>	-	-	-	-	-	-	-	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	*	*
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	-	-	-	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	*	*	-	-	-	*	*	*	*
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	*	*	-	-	-	*	*	*	*
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	*	*
Sweet potatoes	-	-	-	-	-	-	-	*	*
<b>Other Temporary</b>	-	-	-	*	*	*	*	-	-
<b>Permanent crops</b>	-	-	-	*	*	*	*	*	*
Avocado	-	-	-	-	-	-	-	-	-
Bananas	-	-	-	-	-	*	*	-	-
Guava	-	-	-	-	-	-	-	-	-
Lemons	-	-	-	-	-	-	-	-	-
Mangoes	-	-	-	-	-	-	-	-	-
Oranges	-	-	-	-	-	-	-	-	-
Papayas	-	-	-	-	-	-	-	-	-
Pineapples	-	-	-	-	-	-	-	-	-
Chat	-	-	-	-	-	-	-	-	-
Coffee	*	*	-	-	-	-	-	*	*
Hops / 'Geshe'	-	-	-	-	-	-	-	-	-
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
<b>All</b>	24,357	904	-	6,938	904	-	-	-
<b>Cereals</b>	9,764	*	-	*	*	-	-	-
Teff	521	-	-	-	-	-	-	-
Barley	151	-	-	-	-	-	-	-
Wheat	*	-	-	-	-	-	-	-
Maize	2,147	*	-	*	*	-	-	-
Sorghum	6,363	*	-	*	*	-	-	-
Finger millet	*	-	-	-	-	-	-	-
Oats / 'Aja'	*	-	-	-	-	-	-	-
Rice	*	-	-	-	-	-	-	-
<b>Pulses</b>	3,153	*	-	*	*	-	-	-
Horse / Faba beans	777	*	-	*	*	-	-	-
Field Peas	2,194	-	-	-	-	-	-	-
Haricot beans	181	*	-	*	*	-	-	-
Chick peas	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	*	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	*	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-
Linseed	*	-	-	-	-	-	-	-
Groundnuts	*	-	-	-	-	-	-	-
Safflower	*	-	-	-	-	-	-	-
Sesame	*	-	-	-	-	-	-	-
Rapeseed	*	-	-	-	-	-	-	-
<b>Vegetables</b>	201	19	-	3,277	19	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	*	-	-	-	-	-	-	-
Ethiopian cabbage	108	19	-	3,183	19	-	-	-
Tomatoes	*	-	-	-	-	-	-	-
Green peppers	*	*	-	*	*	-	-	-
Red peppers	38	-	-	-	-	-	-	-
Swiss chard	*	-	-	-	-	-	-	-
<b>Root crops</b>	692	30	-	2,183	30	-	-	-
Beetroot	*	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	*	*	-	*	*	-	-	-
Potatoes	36	*	-	*	*	-	-	-
Garlic	9	*	-	*	*	-	-	-
Taro 'Godere'	511	27	-	1,414	27	-	-	-
Sweet potatoes	*	*	-	*	*	-	-	-
<b>Other Temporary</b>	672	*	-	*	*	-	-	-
<b>Permanent crops</b>	9,855	837	-	5,513	837	-	-	-
Avocado	9	*	-	*	*	-	-	-
Bananas	75	*	-	*	*	-	-	-
Guava	1	-	-	-	-	-	-	-
Lemons	*	-	-	-	-	-	-	-
Mangoes	83	*	-	*	*	-	-	-
Oranges	62	*	-	*	*	-	-	-
Papayas	20	-	-	-	-	-	-	-
Pineapples	*	*	-	*	*	-	-	-
Chat	122	*	-	*	*	-	-	-
Coffee	5,975	34	-	1,346	34	-	-	-
Hops / 'Gescho'	*	*	-	*	*	-	-	-
Enset	3,241	792	-	4,327	792	-	-	-
Sugar cane	144	*	-	639	*	-	-	-
Other permanent	14	*	-	*	*	-	-	-

(Table 1.7.8 cont'd.)

**Sheka**

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
<b>All</b>	-	-	-	-	-	-	34,198	24,111	5,655
<b>Cereals</b>	-	-	-	-	-	-	26,042	9,764	4,283
Teff	-	-	-	-	-	-	4,805	521	739
Barley	-	-	-	-	-	-	2,148	151	*
Wheat	-	-	-	-	-	-	*	*	*
Maize	-	-	-	-	-	-	12,227	2,147	841
Sorghum	-	-	-	-	-	-	17,350	6,363	2,070
Finger millet	-	-	-	-	-	-	*	*	*
Oats / 'Aja'	-	-	-	-	-	-	*	*	*
Rice	-	-	-	-	-	-	*	*	*
<b>Pulses</b>	-	-	-	-	-	-	13,785	3,048	1,368
Horse / Faba beans	-	-	-	-	-	-	4,968	777	645
Field Peas	-	-	-	-	-	-	7,003	2,089	631
Haricot beans	-	-	-	-	-	-	7,545	181	*
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	*	*	*
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	-	-	-	667	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	*	*	*
Groundnuts	-	-	-	-	-	-	*	*	*
Safflower	-	-	-	-	-	-	*	*	*
Sesame	-	-	-	-	-	-	*	*	*
Rapeseed	-	-	-	-	-	-	*	*	*
<b>Vegetables</b>	-	-	-	-	-	-	17,747	199	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	295	*	-
Ethiopian cabbage	-	-	-	-	-	-	14,044	108	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	5,740	*	-
Red peppers	-	-	-	-	-	-	1,694	38	-
Swiss chard	-	-	-	-	-	-	*	*	-
<b>Root crops</b>	-	-	-	-	-	-	21,421	684	-
Beetroot	-	-	-	-	-	-	*	*	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	2,743	*	-
Potatoes	-	-	-	-	-	-	1,332	36	-
Garlic	-	-	-	-	-	-	3,607	9	-
Taro 'Godere'	-	-	-	-	-	-	16,194	510	-
Sweet potatoes	-	-	-	-	-	-	709	*	-
<b>Other Temporary</b>	-	-	-	-	-	-	12,731	672	-
<b>Permanent crops</b>	-	-	-	-	-	-	32,665	9,725	-
Avocado	-	-	-	-	-	-	2,902	8	-
Bananas	-	-	-	-	-	-	7,194	75	-
Guava	-	-	-	-	-	-	897	1	-
Lemons	-	-	-	-	-	-	982	*	-
Mangoes	-	-	-	-	-	-	11,943	83	-
Oranges	-	-	-	-	-	-	5,867	62	-
Papayas	-	-	-	-	-	-	9,684	20	-
Pineapples	-	-	-	-	-	-	856	*	-
Chat	-	-	-	-	-	-	4,041	122	-
Coffee	-	-	-	-	-	-	23,650	5,846	-
Hops / 'Geshe'	-	-	-	-	-	-	3,812	*	-
Enset	-	-	-	-	-	-	26,084	3,241	-
Sugar cane	-	-	-	-	-	-	9,552	144	-
Other permanent	-	-	-	-	-	-	6,235	13	-

(Table 1.7.8 Cont'd.)

## Sheka

[illegible]



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
<b>All</b>	150,325	14,777	1,274	99,928	13,638	3,180	786	808
<b>Cereals</b>	81,665	2,877	1,211	8,447	*	2,765	777	799
Teff	24,472	*	*	*	*	*	*	*
Barley	14,159	*	-	*	*	*	*	-
Wheat	10,613	*	*	*	*	*	*	*
Maize	17,597	644	*	*	*	*	*	*
Sorghum	13,483	*	-	860	*	-	-	-
Finger millet	*	*	-	*	*	-	-	-
Oats / 'Aja'	*	-	-	-	-	-	-	-
Rice	9	-	-	-	-	-	-	-
<b>Pulses</b>	38,964	*	-	12,156	*	-	-	-
Horse / Faba beans	17,900	*	-	5,814	*	-	-	-
Field Peas	15,365	*	-	*	*	-	-	-
Haricot beans	5,679	58	-	5,291	58	-	-	-
Chick peas	*	*	-	*	*	-	-	-
Lentils	*	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	*	*	-	*	*	-	-	-
Fenugreek	*	*	-	*	*	-	-	-
Gibto	*	-	-	-	-	-	-	-
<b>Oilseeds</b>	475	*	-	*	*	-	-	-
Neug	*	-	-	-	-	-	-	-
Linseed	263	*	-	*	*	-	-	-
Groundnuts	*	*	-	*	*	-	-	-
Safflower	*	-	-	-	-	-	-	-
Sesame	*	-	-	-	-	-	-	-
Rapeseed	*	*	-	*	*	-	-	-
<b>Vegetables</b>	1,457	410	*	57,780	381	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	*	*	-	-	-
Ethiopian cabbage	802	335	-	56,426	335	-	-	-
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	78	25	-	11,086	25	-	-	-
Red peppers	*	*	*	*	*	-	-	-
Swiss chard	1	*	-	*	*	-	-	-
<b>Root crops</b>	2,751	500	-	41,006	500	-	-	-
Beetroot	12	*	-	*	*	-	-	-
Carrot	*	*	-	*	*	-	-	-
Onion	42	11	-	2,018	11	-	-	-
Potatoes	97	*	-	*	*	-	-	-
Garlic	67	6	-	*	6	-	-	-
Taro 'Godere'	2,325	447	-	36,895	447	-	-	-
Sweet potatoes	201	*	-	1,803	*	-	-	-
<b>Other Temporary</b>	1,568	107	-	14,087	107	-	-	-
<b>Permanent crops</b>	23,445	9,382	-	91,819	9,369	-	-	-
Avocado	27	*	-	*	*	-	-	-
Bananas	853	155	-	14,785	148	-	-	-
Guava	*	-	-	-	-	-	-	-
Lemons	*	-	-	-	-	-	-	-
Mangoes	11	*	-	*	*	-	-	-
Oranges	4	-	-	-	-	-	-	-
Papayas	52	*	-	4,074	*	-	-	-
Pineapples	*	-	-	-	-	-	-	-
Chat	89	*	-	3,342	*	-	-	-
Coffee	4,546	602	-	30,415	602	-	-	-
Hops / 'Gescho'	96	*	-	*	*	-	-	-
Enset	17,238	8,444	-	87,720	8,438	-	-	-
Sugar cane	495	116	-	17,522	116	-	-	-
Other permanent	30	3	-	3,467	3	-	-	-

(Table 1.7.9 cont'd.)

**Keffa**

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
<b>All</b>	1,670	352	467	-	-	-	175,897	149,024	107,025
<b>Cereals</b>	1,521	318	412	-	-	-	152,099	80,500	74,645
Teff	*	*	*	-	-	-	115,135	24,439	21,248
Barley	-	-	-	-	-	-	70,306	14,159	22,013
Wheat	*	*	*	-	-	-	43,696	9,591	15,395
Maize	*	*	*	-	-	-	49,557	17,486	11,391
Sorghum	-	-	-	-	-	-	59,916	13,483	4,025
Finger millet	-	-	-	-	-	-	7,369	*	*
Oats / 'Aja'	-	-	-	-	-	-	*	*	*
Rice	-	-	-	-	-	-	297	8	*
<b>Pulses</b>	-	-	-	-	-	-	141,074	38,964	32,270
Horse / Faba beans	-	-	-	-	-	-	93,276	17,900	19,796
Field Peas	-	-	-	-	-	-	66,317	15,365	8,487
Haricot beans	-	-	-	-	-	-	68,740	5,679	3,973
Chick peas	-	-	-	-	-	-	*	*	*
Lentils	-	-	-	-	-	-	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	*	*	*
Fenugreek	-	-	-	-	-	-	1,383	*	*
Gibto	-	-	-	-	-	-	*	*	*
<b>Oilseeds</b>	-	-	-	-	-	-	16,751	475	110
Neug	-	-	-	-	-	-	*	*	*
Linseed	-	-	-	-	-	-	13,640	263	64
Groundnuts	-	-	-	-	-	-	1,379	*	*
Safflower	-	-	-	-	-	-	*	*	*
Sesame	-	-	-	-	-	-	*	*	*
Rapeseed	-	-	-	-	-	-	2,993	*	*
<b>Vegetables</b>	*	*	*	-	-	-	115,428	1,457	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	*	*	-
Ethiopian cabbage	-	-	-	-	-	-	103,389	802	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	28,665	78	-
Red peppers	*	*	*	-	-	-	*	*	-
Swiss chard	-	-	-	-	-	-	1,028	1	-
<b>Root crops</b>	-	-	-	-	-	-	110,445	2,751	-
Beetroot	-	-	-	-	-	-	3,304	11	-
Carrot	-	-	-	-	-	-	1,695	*	-
Onion	-	-	-	-	-	-	8,196	42	-
Potatoes	-	-	-	-	-	-	3,895	97	-
Garlic	-	-	-	-	-	-	12,437	67	-
Taro 'Godere'	-	-	-	-	-	-	94,090	2,325	-
Sweet potatoes	-	-	-	-	-	-	12,619	201	-
<b>Other Temporary</b>	-	-	-	-	-	-	49,766	1,568	-
<b>Permanent crops</b>	-	-	-	-	-	-	166,787	23,310	-
Avocado	-	-	-	-	-	-	6,292	26	-
Bananas	-	-	-	-	-	-	55,966	853	-
Guava	-	-	-	-	-	-	*	*	-
Lemons	-	-	-	-	-	-	*	*	-
Mangoes	-	-	-	-	-	-	2,949	11	-
Oranges	-	-	-	-	-	-	2,205	4	-
Papayas	-	-	-	-	-	-	11,771	52	-
Pineapples	-	-	-	-	-	-	*	*	-
Chat	-	-	-	-	-	-	11,666	89	-
Coffee	-	-	-	-	-	-	81,403	4,412	-
Hops / 'Geshe'	-	-	-	-	-	-	12,918	96	-
Enset	-	-	-	-	-	-	158,854	17,238	-
Sugar cane	-	-	-	-	-	-	54,068	495	-
Other permanent	-	-	-	-	-	-	23,902	30	-

(Table 1.7.9 Cont'd.)

**Keffa**

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
<b>All</b>	7,111	1,301	1,661	57,008	26,105	*	*	7,526	1,364
<b>Cereals</b>	4,517	1,165	1,661	55,775	25,997	-	-	5,457	1,267
Teff	*	*	*	46,241	11,283	-	-	*	*
Barley	-	-	-	14,345	*	-	-	-	-
Wheat	3,718	1,021	*	21,900	6,155	-	-	3,706	*
Maize	*	*	*	*	*	-	-	*	*
Sorghum	-	-	-	15,107	3,784	-	-	-	-
Finger millet	-	-	-	*	*	-	-	-	-
Oats / 'Aja'	-	-	-	*	*	-	-	-	-
Rice	*	*	*	-	-	-	-	*	*
<b>Pulses</b>	-	-	-	*	*	-	-	*	*
Horse / Faba beans	-	-	-	*	*	-	-	*	*
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	*	*	-	-	-	-
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	1,695	*	-	-	*	*
Neug	-	-	-	*	*	-	-	-	-
Linseed	-	-	-	1,545	*	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	*	*
Rapeseed	-	-	-	*	*	-	-	-	-
<b>Vegetables</b>	*	*	-	*	*	-	-	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	*	*
Ethiopian cabbage	-	-	-	*	*	-	-	*	*
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	-	-	-	-
Red peppers	-	-	-	*	*	-	-	*	*
Swiss chard	*	*	-	-	-	-	-	*	*
<b>Root crops</b>	*	*	-	*	*	-	-	*	*
Beetroot	*	*	-	-	-	-	-	*	*
Carrot	-	-	-	-	-	-	-	*	*
Onion	*	*	-	-	-	-	-	*	*
Potatoes	-	-	-	-	-	-	-	*	*
Garlic	-	-	-	-	-	-	-	*	*
Taro 'Godere'	-	-	-	*	*	-	-	-	-
Sweet potatoes	-	-	-	*	*	-	-	*	*
<b>Other Temporary</b>	*	*	-	*	*	*	*	*	*
<b>Permanent crops</b>				*	*	*	*	1,253	*
Avocado				-	-	-	-	*	*
Bananas				-	-	-	-	*	*
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	-	-	-	-
Oranges				-	-	-	-	-	-
Papayas				-	-	-	-	*	*
Pineapples				-	-	-	-	-	-
Chat				*	*	-	-	-	-
Coffee	2,251	*	-	-	-	*	*	1,081	*
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
<b>All</b>	159,661	60,134	613	218,353	59,604	3,778	530	613
<b>Cereals</b>	91,519	31,467	612	139,361	30,938	3,778	529	612
Teff	23,643	592	295	3,167	405	2,010	187	295
Barley	19,609	14,846	44	89,899	14,564	688	282	44
Wheat	17,238	12,048	-	73,493	12,048	-	-	-
Maize	19,162	2,394	273	38,647	2,334	1,808	60	273
Sorghum	11,855	1,586	-	13,356	1,586	-	-	-
Finger millet	*	-	-	-	-	-	-	-
Oats / 'Aja'	1	-	-	262	1	-	-	-
Rice	11	-	-	-	-	-	-	-
<b>Pulses</b>	16,158	4,938	-	82,592	4,938	-	-	-
Horse / Faba beans	5,255	1,861	-	50,628	1,861	-	-	-
Field Peas	4,144	1,762	-	34,242	1,762	-	-	-
Haricot beans	5,895	732	-	24,381	732	-	-	-
Chick peas	165	23	-	729	23	-	-	-
Lentils	619	513	-	4,631	513	-	-	-
Vetch / Grass peas	*	-	-	-	-	-	-	-
Soya beans	2	-	-	-	-	-	-	-
Fenugreek	79	46	-	11,923	46	-	-	-
Gibto	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	368	61	*	6,481	60	*	*	*
Neug	*	-	-	-	-	-	-	-
Linseed	115	59	-	6,086	59	-	-	-
Groundnuts	80	-	-	-	-	-	-	-
Safflower	11	*	-	391	*	-	-	-
Sesame	161	*	*	*	*	*	*	*
Rapeseed	-	-	-	-	-	-	-	-
<b>Vegetables</b>	1,102	947	-	95,113	947	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	45	45	-	6,867	45	-	-	-
Ethiopian cabbage	907	863	-	86,829	863	-	-	-
Tomatoes	43	3	-	666	3	-	-	-
Green peppers	84	24	-	13,818	24	-	-	-
Red peppers	21	10	-	2,768	10	-	-	-
Swiss chard	2	2	-	648	2	-	-	-
<b>Root crops</b>	10,961	5,954	-	143,822	5,954	-	-	-
Beetroot	8	7	-	3,709	7	-	-	-
Carrot	*	*	-	670	*	-	-	-
Onion	163	67	-	18,800	67	-	-	-
Potatoes	3,522	3,187	-	74,350	3,187	-	-	-
Garlic	38	38	-	9,350	38	-	-	-
Taro 'Godere'	2,109	956	-	43,769	956	-	-	-
Sweet potatoes	5,121	1,698	-	45,538	1,698	-	-	-
<b>Other Temporary</b>	12,315	2,331	-	103,118	2,331	-	-	-
<b>Permanent crops</b>	27,238	14,436	-	204,407	14,436	-	-	-
Avocado	224	103	-	5,850	103	-	-	-
Bananas	8,039	686	-	25,765	686	-	-	-
Guava	2	1	-	669	1	-	-	-
Lemons	115	27	-	4,380	27	-	-	-
Mangoes	1,541	237	-	16,730	237	-	-	-
Oranges	48	16	-	3,974	16	-	-	-
Papayas	123	45	-	12,247	45	-	-	-
Pineapples	2	-	-	-	-	-	-	-
Chat	56	11	-	3,955	11	-	-	-
Coffee	2,767	1,226	-	62,136	1,226	-	-	-
Hops / 'Gescho'	121	46	-	9,528	46	-	-	-
Enset	13,358	11,707	-	181,277	11,707	-	-	-
Sugar cane	234	120	-	14,848	120	-	-	-
Other permanent	607	210	-	30,687	210	-	-	-

(Table 1.7.10 cont'd.)

**Gamo Gofa**

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
<b>All</b>	-	-	-	-	-	-	281,313	159,493	48,547
<b>Cereals</b>	-	-	-	-	-	-	247,053	91,460	40,781
Teff	-	-	-	-	-	-	86,156	23,643	7,101
Barley	-	-	-	-	-	-	119,048	19,609	13,693
Wheat	-	-	-	-	-	-	91,549	17,238	12,572
Maize	-	-	-	-	-	-	95,666	19,103	5,402
Sorghum	-	-	-	-	-	-	55,968	11,855	2,010
Finger millet	-	-	-	-	-	-	*	*	*
Oats / 'Aja'	-	-	-	-	-	-	262	1	1
Rice	-	-	-	-	-	-	356	11	2
<b>Pulses</b>	-	-	-	-	-	-	171,673	16,142	7,558
Horse / Faba beans	-	-	-	-	-	-	84,236	5,255	2,669
Field Peas	-	-	-	-	-	-	67,087	4,144	2,172
Haricot beans	-	-	-	-	-	-	85,998	5,878	2,482
Chick peas	-	-	-	-	-	-	2,610	165	66
Lentils	-	-	-	-	-	-	7,203	619	129
Vetch / Grass peas	-	-	-	-	-	-	*	*	*
Soya beans	-	-	-	-	-	-	356	2	-
Fenugreek	-	-	-	-	-	-	15,617	79	40
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	-	-	-	13,773	368	208
Neug	-	-	-	-	-	-	*	*	*
Linseed	-	-	-	-	-	-	9,152	115	42
Groundnuts	-	-	-	-	-	-	1,604	80	156
Safflower	-	-	-	-	-	-	1,512	11	2
Sesame	-	-	-	-	-	-	1,508	161	8
Rapeseed	-	-	-	-	-	-	-	-	-
<b>Vegetables</b>	-	-	-	-	-	-	104,888	1,102	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	6,606	45	-
Ethiopian cabbage	-	-	-	-	-	-	92,077	907	-
Tomatoes	-	-	-	-	-	-	2,184	43	-
Green peppers	-	-	-	-	-	-	18,355	84	-
Red peppers	-	-	-	-	-	-	3,560	21	-
Swiss chard	-	-	-	-	-	-	648	2	-
<b>Root crops</b>	-	-	-	-	-	-	201,396	10,960	-
Beetroot	-	-	-	-	-	-	3,447	7	-
Carrot	-	-	-	-	-	-	670	*	-
Onion	-	-	-	-	-	-	28,409	163	-
Potatoes	-	-	-	-	-	-	87,567	3,522	-
Garlic	-	-	-	-	-	-	9,375	38	-
Taro 'Godere'	-	-	-	-	-	-	80,424	2,109	-
Sweet potatoes	-	-	-	-	-	-	101,482	5,121	-
<b>Other Temporary</b>	-	-	-	-	-	-	165,526	12,315	-
<b>Permanent crops</b>	-	-	-	-	-	-	259,560	27,147	-
Avocado	-	-	-	-	-	-	18,644	150	-
Bananas	-	-	-	-	-	-	83,604	8,039	-
Guava	-	-	-	-	-	-	1,401	2	-
Lemons	-	-	-	-	-	-	13,676	115	-
Mangoes	-	-	-	-	-	-	47,579	1,541	-
Oranges	-	-	-	-	-	-	11,227	48	-
Papayas	-	-	-	-	-	-	29,319	123	-
Pineapples	-	-	-	-	-	-	390	2	-
Chat	-	-	-	-	-	-	7,440	56	-
Coffee	-	-	-	-	-	-	103,777	2,763	-
Hops / 'Geshe'	-	-	-	-	-	-	19,277	121	-
Enset	-	-	-	-	-	-	211,443	13,358	-
Sugar cane	-	-	-	-	-	-	26,338	234	-
Other permanent	-	-	-	-	-	-	49,842	594	-

(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
<b>All</b>	5,889	168	32	6,202	296	33,248	21,550	5,090	210
<b>Cereals</b>	335	59	29	2,400	206	19,487	8,507	2,585	122
Teff	-	-	-	17	*	2,254	843	1,068	53
Barley	-	-	-	2,382	199	-	-	-	-
Wheat	-	-	-	-	-	-	-	449	25
Maize	335	59	29	*	*	18,055	6,823	1,780	44
Sorghum	-	-	-	-	-	3,686	840	-	-
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	408	17	3	361	1	1,646	62	-	-
Horse / Faba beans	-	-	-	361	1	524	1	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	408	17	3	-	-	1,122	61	-	-
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	361	1	1,062	81	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	361	1	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	1,062	81	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
<b>Vegetables</b>	262	1	-	721	1	6,505	74	310	4
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	262	1	-	-	-	262	1	-	-
Ethiopian cabbage	-	-	-	721	1	3,142	5	310	4
Tomatoes	-	-	-	-	-	1,540	40	-	-
Green peppers	-	-	-	-	-	2,182	27	-	-
Red peppers	-	-	-	-	-	50	*	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	262	1	-	1,297	38	4,523	123	799	18
Beetroot	262	1	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	-	-	-
Potatoes	-	-	-	361	22	449	1	-	-
Garlic	-	-	-	-	-	278	*	449	6
Taro 'Godere'	-	-	-	936	16	1,405	12	-	-
Sweet potatoes	-	-	-	-	-	3,143	110	350	12
<b>Other Temporary</b>	-	-	-	361	*	15,279	5,592	400	10
<b>Permanent crops</b>				1,526	49	27,061	7,111	1,305	57
Avocado				-	-	3,510	144	-	-
Bananas				356	1	18,344	5,661	-	-
Guava				-	-	331	*	-	-
Lemons				-	-	5,546	21	-	-
Mangoes				-	-	14,972	1,079	-	-
Oranges				-	-	331	*	-	-
Papayas				-	-	6,271	19	-	-
Pineapples				-	-	-	-	-	-
Chat				-	-	662	1	-	-
Coffee	433	4	-	463	13	7,613	116	310	6
Hops / 'Geshe'				-	-	-	-	-	-
Enset				339	35	2,579	23	-	-
Sugar cane				368	*	862	14	-	-
Other permanent				-	-	9,792	32	995	24

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

**Bench - Maji**

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
<b>All</b>	57,070	6,237	577	75,223	5,480	2,055	448	344
<b>Cereals</b>	29,637	1,236	577	6,225	480	1,946	447	344
Teff	8,543	808	577	316	74	1,946	447	344
Barley	1,672	-	-	-	-	-	-	-
Wheat	301	24	-	358	1	-	-	-
Maize	11,693	356	-	5,105	356	-	-	-
Sorghum	7,154	48	-	810	48	-	-	-
Finger millet	174	-	-	-	-	-	-	-
Oats / 'Aja'	8	-	-	-	-	-	-	-
Rice	92	-	-	-	-	-	-	-
<b>Pulses</b>	5,983	80	-	4,307	80	-	-	-
Horse / Faba beans	1,850	53	-	730	53	-	-	-
Field Peas	1,574	10	-	271	10	-	-	-
Haricot beans	2,553	16	-	2,871	16	-	-	-
Chick peas	*	*	-	192	*	-	-	-
Lentils	1	1	-	242	1	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	3	-	-	-	-	-	-	-
Fenugreek	*	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	189	1	-	129	1	-	-	-
Neug	35	-	-	-	-	-	-	-
Linseed	50	-	-	-	-	-	-	-
Groundnuts	41	-	-	-	-	-	-	-
Safflower	1	-	-	-	-	-	-	-
Sesame	54	-	-	-	-	-	-	-
Rapeseed	9	1	-	129	1	-	-	-
<b>Vegetables</b>	632	238	-	34,590	237	109	1	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	21	18	-	553	18	-	-	-
Ethiopian cabbage	410	169	-	29,321	168	109	1	-
Tomatoes	40	1	-	794	1	-	-	-
Green peppers	85	41	-	6,714	41	-	-	-
Red peppers	73	9	-	1,374	9	-	-	-
Swiss chard	4	-	-	-	-	-	-	-
<b>Root crops</b>	5,019	833	-	38,225	833	-	-	-
Beetroot	13	12	-	713	12	-	-	-
Carrot	6	-	-	-	-	-	-	-
Onion	29	7	-	1,383	7	-	-	-
Potatoes	30	*	-	290	*	-	-	-
Garlic	18	1	-	398	1	-	-	-
Taro 'Godere'	4,871	811	-	36,845	811	-	-	-
Sweet potatoes	52	1	-	328	1	-	-	-
<b>Other Temporary</b>	1,160	82	-	9,599	82	-	-	-
<b>Permanent crops</b>	14,450	3,768	-	67,864	3,768	-	-	-
Avocado	78	15	-	2,101	15	-	-	-
Bananas	933	122	-	7,392	122	-	-	-
Guava	1	-	-	-	-	-	-	-
Lemons	*	-	-	-	-	-	-	-
Mangoes	77	15	-	2,212	15	-	-	-
Oranges	11	1	-	216	1	-	-	-
Papayas	149	66	-	7,636	66	-	-	-
Pineapples	1	-	-	-	-	-	-	-
Chat	1,061	109	-	3,972	109	-	-	-
Coffee	8,248	1,486	-	37,619	1,486	-	-	-
Hops / 'Geshe'	47	10	-	2,109	10	-	-	-
Enset	3,302	1,878	-	59,622	1,878	-	-	-
Sugar cane	537	63	-	4,218	63	-	-	-
Other permanent	5	3	-	2,801	3	-	-	-

(Table 1.7.11 cont'd.)

**Benchi - Maji**

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
<b>All</b>	1,257	309	232	-	-	-	128,091	56,886	20,417
<b>Cereals</b>	1,039	308	232	-	-	-	99,997	29,575	15,673
Teff	858	286	232	-	-	-	40,663	8,481	5,123
Barley	-	-	-	-	-	-	12,269	1,672	1,253
Wheat	180	22	-	-	-	-	2,139	301	188
Maize	-	-	-	-	-	-	62,783	11,693	6,518
Sorghum	-	-	-	-	-	-	36,606	7,154	2,491
Finger millet	-	-	-	-	-	-	1,786	174	50
Oats / 'Aja'	-	-	-	-	-	-	182	8	-
Rice	-	-	-	-	-	-	705	92	51
<b>Pulses</b>	-	-	-	-	-	-	51,523	5,983	4,718
Horse / Faba beans	-	-	-	-	-	-	17,390	1,850	1,938
Field Peas	-	-	-	-	-	-	10,973	1,574	815
Haricot beans	-	-	-	-	-	-	38,212	2,553	1,962
Chick peas	-	-	-	-	-	-	195	*	*
Lentils	-	-	-	-	-	-	242	1	1
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	77	3	1
Fenugreek	-	-	-	-	-	-	*	*	*
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	-	-	-	3,200	189	26
Neug	-	-	-	-	-	-	236	35	1
Linseed	-	-	-	-	-	-	1,064	50	12
Groundnuts	-	-	-	-	-	-	483	41	11
Safflower	-	-	-	-	-	-	523	1	*
Sesame	-	-	-	-	-	-	291	54	*
Rapeseed	-	-	-	-	-	-	1,545	9	*
<b>Vegetables</b>	218	*	-	-	-	-	67,392	618	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	1,023	20	-
Ethiopian cabbage	109	*	-	-	-	-	57,260	408	-
Tomatoes	-	-	-	-	-	-	1,624	30	-
Green peppers	109	*	-	-	-	-	16,141	85	-
Red peppers	-	-	-	-	-	-	3,440	71	-
Swiss chard	-	-	-	-	-	-	132	4	-
<b>Root crops</b>	-	-	-	-	-	-	97,676	4,983	-
Beetroot	-	-	-	-	-	-	713	12	-
Carrot	-	-	-	-	-	-	523	5	-
Onion	-	-	-	-	-	-	2,916	28	-
Potatoes	-	-	-	-	-	-	1,622	30	-
Garlic	-	-	-	-	-	-	1,498	18	-
Taro 'Godere'	-	-	-	-	-	-	94,474	4,838	-
Sweet potatoes	-	-	-	-	-	-	4,491	52	-
<b>Other Temporary</b>	109	*	-	-	-	-	60,298	1,160	-
<b>Permanent crops</b>	-	-	-	-	-	-	121,537	14,379	-
Avocado	-	-	-	-	-	-	7,668	37	-
Bananas	-	-	-	-	-	-	44,856	933	-
Guava	-	-	-	-	-	-	387	1	-
Lemons	-	-	-	-	-	-	*	*	-
Mangoes	-	-	-	-	-	-	13,365	77	-
Oranges	-	-	-	-	-	-	4,125	11	-
Papayas	-	-	-	-	-	-	24,366	149	-
Pineapples	-	-	-	-	-	-	543	1	-
Chat	-	-	-	-	-	-	25,735	1,061	-
Coffee	-	-	-	-	-	-	90,387	8,218	-
Hops / 'Geshe'	-	-	-	-	-	-	9,759	47	-
Enset	-	-	-	-	-	-	100,760	3,302	-
Sugar cane	-	-	-	-	-	-	24,745	537	-
Other permanent	-	-	-	-	-	-	7,251	5	-



(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
<b>All</b>	2,598	184	-	3,159	827	367	7	3,265	714
<b>Cereals</b>	109	63	-	1,904	760	*	*	2,578	700
Teff	109	63	-	-	-	-	-	2,245	591
Barley	-	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	180	22
Maize	-	-	-	358	32	-	-	139	78
Sorghum	-	-	-	1,904	642	-	-	*	*
Finger millet	-	-	-	1,012	86	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	*	*	-	-
<b>Pulses</b>	-	-	-	-	-	-	-	-	-
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	-	-	-	-
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
<b>Vegetables</b>	611	14	-	295	*	-	-	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	219	*	-	-	-	-	-	-	-
Ethiopian cabbage	216	1	-	295	*	-	-	-	-
Tomatoes	169	10	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	-	-	-	-
Red peppers	*	*	-	-	-	-	-	*	*
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	1,036	36	-	-	-	180	4	541	6
Beetroot	219	*	-	-	-	-	-	-	-
Carrot	219	1	-	-	-	-	-	-	-
Onion	601	1	-	-	-	-	-	432	1
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	216	34	-	-	-	180	4	109	6
Sweet potatoes	-	-	-	-	-	-	-	-	-
<b>Other Temporary</b>	-	-	-	109	*	-	-	-	-
<b>Permanent crops</b>				1,041	66	178	1	146	7
Avocado				-	-	-	-	-	-
Bananas				*	*	-	-	*	*
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	-	-	-	-
Oranges				-	-	-	-	-	-
Papayas				-	-	-	-	-	-
Pineapples				-	-	-	-	-	-
Chat				-	-	-	-	-	-
Coffee	687	30	-	609	26	178	1	132	5
Hops / 'Geshe'				-	-	-	-	-	-
Enset				425	40	-	-	-	-
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
<b>All</b>	17,014	9,342	6,163	14,189	2,739	10,316	5,800	5,142
<b>Cereals</b>	12,353	6,639	5,889	5,365	310	10,316	5,530	4,875
Teff	4,810	3,781	3,327	446	47	8,799	3,676	3,273
Barley	1,130	295	272	777	*	1,640	258	271
Wheat	3,515	1,302	1,166	277	*	3,668	1,157	1,027
Maize	1,967	1,228	1,116	4,600	172	1,627	427	295
Sorghum	923	33	*	560	21	*	*	*
Finger millet	*	-	-	-	-	-	-	-
Oats / 'Aja'	*	*	*	*	*	*	*	*
Rice	-	-	-	-	-	-	-	-
<b>Pulses</b>	2,237	927	260	5,183	659	1,174	264	254
Horse / Faba beans	1,282	534	35	4,293	492	315	*	35
Field Peas	856	342	214	1,353	132	608	*	208
Haricot beans	*	2	*	190	*	*	*	*
Chick peas	*	*	-	*	*	-	-	-
Lentils	59	43	9	766	28	281	15	9
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	7	4	*	749	4	*	*	*
Gibto	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	79	9	*	856	9	*	*	*
Neug	*	*	*	-	-	*	*	*
Linseed	53	*	*	-	-	*	*	*
Groundnuts	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	*	-	-	-	-	-	-	-
Rapeseed	12	9	-	856	9	-	-	-
<b>Vegetables</b>	67	61	*	9,300	58	*	*	*
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	*	*	*	208	*	*	*	*
Ethiopian cabbage	60	55	-	9,000	55	-	-	-
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	1	*	-	361	*	-	-	-
Red peppers	*	*	-	*	*	-	-	-
Swiss chard	*	*	-	*	*	-	-	-
<b>Root crops</b>	298	226	*	8,147	225	*	*	*
Beetroot	1	1	*	346	1	*	*	*
Carrot	1	*	-	180	*	-	-	-
Onion	*	*	-	*	*	*	*	-
Potatoes	29	25	-	1,979	25	-	-	-
Garlic	4	3	*	1,473	3	*	*	-
Taro 'Godere'	194	145	-	4,960	145	-	-	-
Sweet potatoes	68	52	-	2,264	52	-	-	-
<b>Other Temporary</b>	56	41	-	3,671	41	-	-	-
<b>Permanent crops</b>	1,924	1,439		13,572	1,437			
Avocado	2	*		*	*			
Bananas	36	16		1,705	14			
Guava	*	*		397	*			
Lemons	*	-		-	-			
Mangoes	*	*		*	*			
Oranges	8	*		*	*			
Papayas	*	*		*	*			
Pineapples	*	*		*	*			
Chat	151	62		3,070	62			
Coffee	212	75		3,920	74			
Hops / 'Gescho'	6	*		*	*			
Enset	1,390	1,257		13,530	1,257			
Sugar cane	108	18		2,309	18			
Other permanent	3	2		378	2			

(Table 1.7.12 cont'd.)

### Yem Special Wereda

	UREA			UREA + DAP			INDIGENOUS SEED		
Crop type	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	*	*	*	2,299	744	963	15,186	16,414	13,957
Cereals	*	*	*	2,228	743	962	14,873	11,760	10,964
Teff	*	*	*	145	*	*	11,657	4,810	2,806
Barley	-	-	-	*	*	*	9,175	1,130	1,743
Wheat	*	*	*	245	98	122	11,053	3,497	5,345
Maize	*	*	*	2,013	618	814	11,314	1,393	721
Sorghum	-	-	-	-	-	-	6,437	923	340
Finger millet	-	-	-	-	-	-	*	*	*
Oats / ‘Aja’	-	-	-	-	-	-	141	*	*
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	*	-	-	-	10,156	2,236	2,973
Horse / Faba beans	-	-	-	-	-	-	8,390	1,282	1,860
Field Peas	*	*	*	-	-	-	4,688	856	1,047
Haricot beans	-	-	-	-	-	-	488	*	*
Chick peas	-	-	-	-	-	-	313	*	*
Lentils	-	-	-	-	-	-	1,562	58	40
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	1,460	7	2
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	1,809	75	21
Neug	-	-	-	-	-	-	*	*	*
Linseed	-	-	-	-	-	-	737	51	16
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	*	*	*
Rapeseed	-	-	-	-	-	-	1,033	12	2
Vegetables	-	-	-	-	-	-	10,363	67	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	419	*	-
Ethiopian cabbage	-	-	-	-	-	-	9,922	60	-
Tomatoes	-	-	-	-	-	-	152	*	-
Green peppers	-	-	-	-	-	-	509	1	-
Red peppers	-	-	-	-	-	-	*	*	-
Swiss chard	-	-	-	-	-	-	*	*	-
Root crops	-	-	-	*	*	*	10,080	298	-
Beetroot	-	-	-	-	-	-	816	1	-
Carrot	-	-	-	-	-	-	393	1	-
Onion	-	-	-	-	-	-	*	*	-
Potatoes	-	-	-	-	-	-	2,482	29	-
Garlic	-	-	-	*	*	*	1,942	4	-
Taro ‘Godere’	-	-	-	-	-	-	6,105	194	-
Sweet potatoes	-	-	-	-	-	-	3,224	68	-
Other Temporary	-	-	-	-	-	-	4,751	56	-
Permanent crops	-	-	-	-	-	-	14,997	1,923	-
Avocado	-	-	-	-	-	-	486	2	-
Bananas	-	-	-	-	-	-	3,175	36	-
Guava	-	-	-	-	-	-	817	*	-
Lemons	-	-	-	-	-	-	*	*	-
Mangoes	-	-	-	-	-	-	591	*	-
Oranges	-	-	-	-	-	-	1,069	8	-
Papayas	-	-	-	-	-	-	*	*	-
Pineapples	-	-	-	-	-	-	*	*	-
Chat	-	-	-	-	-	-	6,843	151	-
Coffee	-	-	-	-	-	-	7,365	211	-
Hops / ‘Gesho’	-	-	-	-	-	-	882	6	-
Enset	-	-	-	-	-	-	14,997	1,390	-
Sugar cane	-	-	-	-	-	-	4,486	108	-
Other permanent	-	-	-	-	-	-	945	3	-

(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
<b>All</b>	1,940	600	156	9,119	4,359	*	*	3,208	1,327
<b>Cereals</b>	1,831	593	154	9,012	4,336	*	*	3,137	1,296
Teff	-	-	-	6,728	2,617	-	-	1,213	*
Barley	-	-	-	1,397	126	-	-	*	*
Wheat	*	*	*	5,250	1,563	-	-	*	81
Maize	1,792	574	134	*	*	*	*	2,209	658
Sorghum	-	-	-	-	-	*	*	-	-
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	*	*	*	175	*	-	-	246	*
Horse / Faba beans	-	-	-	*	*	-	-	*	*
Field Peas	-	-	-	*	*	-	-	*	*
Haricot beans	-	-	-	-	-	-	-	-	-
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	*	*	*	-	-	-	-	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	*	*	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	*	*	*	-	-	-	-	*	*
Neug	*	*	*	-	-	-	-	*	*
Linseed	*	*	*	-	-	-	-	*	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
<b>Vegetables</b>	*	*	-	*	*	*	*	-	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	*	*	-	-	-	-
Tomatoes	-	-	-	-	-	*	*	-	-
Green peppers	-	-	-	-	-	-	-	-	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	-	-	-	-	-	*	*	-	-
Beetroot	-	-	-	-	-	*	*	-	-
Carrot	-	-	-	-	-	*	*	-	-
Onion	-	-	-	-	-	*	*	-	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
<b>Other Temporary</b>	-	-	-	*	*	-	-	-	-
<b>Permanent crops</b>				*	*	*	*	*	*
Avocado				-	-	-	-	-	-
Bananas				-	-	-	-	-	-
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	-	-	-	-
Oranges				-	-	-	-	-	-
Papayas				-	-	-	-	-	-
Pineapples				-	-	-	-	-	-
Chat				-	-	-	-	-	-
Coffee	*	*	-	-	-	-	-	*	*
Hops / 'Geshe'				*	*	-	-	-	-
Enset				*	*	*	*	-	-
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
<b>All</b>	15,656	4,432	-	23,446	4,428	-	-	-
<b>Cereals</b>	7,498	47	-	1,308	47	-	-	-
Teff	3,540	*	-	*	*	-	-	-
Barley	1,012	24	-	547	24	-	-	-
Wheat	727	*	-	*	*	-	-	-
Maize	1,685	11	-	732	11	-	-	-
Sorghum	534	*	-	*	*	-	-	-
Finger millet	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	*	-	-	-	-	-	-	-
<b>Pulses</b>	1,702	60	-	3,679	57	-	-	-
Horse / Faba beans	377	13	-	1,886	13	-	-	-
Field Peas	527	*	-	423	*	-	-	-
Haricot beans	414	42	-	1,814	39	-	-	-
Chick peas	*	-	-	-	-	-	-	-
Lentils	108	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	3	-	-	-	-	-	-	-
Fenugreek	*	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	16	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-
Linseed	*	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-
Safflower	4	-	-	-	-	-	-	-
Sesame	*	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-
<b>Vegetables</b>	163	143	-	11,348	143	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-
Ethiopian cabbage	162	143	-	11,348	143	-	-	-
Tomatoes	*	-	-	-	-	-	-	-
Green peppers	*	*	-	*	*	-	-	-
Red peppers	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
<b>Root crops</b>	75	5	-	1,326	5	-	-	-
Beetroot	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	4	2	-	584	2	-	-	-
Potatoes	-	-	-	-	-	-	-	-
Garlic	2	1	-	538	1	-	-	-
Taro 'Godere'	2	*	-	437	*	-	-	-
Sweet potatoes	67	*	-	*	*	-	-	-
<b>Other Temporary</b>	455	104	-	7,005	104	-	-	-
<b>Permanent crops</b>	5,746	4,073	-	23,307	4,073	-	-	-
Avocado	38	21	-	1,285	21	-	-	-
Bananas	135	56	-	3,244	56	-	-	-
Guava	4	*	-	*	*	-	-	-
Lemons	6	3	-	355	3	-	-	-
Mangoes	6	1	-	170	1	-	-	-
Oranges	5	*	-	*	*	-	-	-
Papayas	17	7	-	1,107	7	-	-	-
Pineapples	-	-	-	-	-	-	-	-
Chat	53	8	-	632	8	-	-	-
Coffee	1,574	722	-	9,174	722	-	-	-
Hops / 'Gescho'	*	-	-	-	-	-	-	-
Enset	3,762	3,223	-	22,888	3,223	-	-	-
Sugar cane	134	28	-	1,904	28	-	-	-
Other permanent	10	*	-	227	*	-	-	-

(Table 1.7.13 cont'd.)

**Amaro Special Wereda**

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
<b>All</b>	*	*	-	-	-	-	28,987	15,593	5,035
<b>Cereals</b>	-	-	-	-	-	-	22,219	7,438	3,865
Teff	-	-	-	-	-	-	9,417	3,540	1,442
Barley	-	-	-	-	-	-	10,270	1,012	1,203
Wheat	-	-	-	-	-	-	4,698	727	787
Maize	-	-	-	-	-	-	8,619	1,658	391
Sorghum	-	-	-	-	-	-	3,157	500	43
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	*	*	-
<b>Pulses</b>	*	*	-	-	-	-	18,471	1,702	1,167
Horse / Faba beans	-	-	-	-	-	-	8,816	377	377
Field Peas	-	-	-	-	-	-	6,701	527	450
Haricot beans	*	*	-	-	-	-	9,212	414	216
Chick peas	-	-	-	-	-	-	746	*	*
Lentils	-	-	-	-	-	-	2,308	108	75
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	196	3	1
Fenugreek	-	-	-	-	-	-	*	*	*
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	-	-	-	452	16	3
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	178	*	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	200	4	*
Sesame	-	-	-	-	-	-	*	*	*
Rapeseed	-	-	-	-	-	-	-	-	-
<b>Vegetables</b>	-	-	-	-	-	-	13,157	163	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	*	-	-
Ethiopian cabbage	-	-	-	-	-	-	12,879	162	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	*	*	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	-	-	-	-	-	-	3,912	75	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	772	4	-
Potatoes	-	-	-	-	-	-	*	-	-
Garlic	-	-	-	-	-	-	808	2	-
Taro 'Godere'	-	-	-	-	-	-	927	2	-
Sweet potatoes	-	-	-	-	-	-	1,973	67	-
<b>Other Temporary</b>	-	-	-	-	-	-	14,320	455	-
<b>Permanent crops</b>							27,573	5,743	
Avocado							2,800	36	
Bananas							6,667	135	
Guava							292	4	
Lemons							796	6	
Mangoes							934	6	
Oranges							557	5	
Papayas							2,119	17	
Pineapples							-	-	
Chat							1,842	53	
Coffee							14,581	1,573	
Hops / 'Geshe'							*	*	
Enset							26,100	3,762	
Sugar cane							5,226	134	
Other permanent							1,462	10	

(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
<b>All</b>	296	63	*	178	*	9,014	2,639	275	*
<b>Cereals</b>	242	*	*	*	*	2,735	429	*	*
Teff	-	-	-	*	*	957	233	*	*
Barley	-	-	-	-	-	*	*	-	-
Wheat	-	-	-	-	-	*	*	-	-
Maize	*	*	*	-	-	2,372	132	-	-
Sorghum	*	*	-	-	-	679	33	-	-
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	-	-	-	*	*	1,612	61	*	*
Horse / Faba beans	-	-	-	*	*	-	-	*	*
Field Peas	-	-	-	-	-	-	-	*	*
Haricot beans	-	-	-	-	-	1,557	59	-	-
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	*	*	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	-	-	*	*	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	*	*	-	-
Sesame	-	-	-	-	-	*	*	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
<b>Vegetables</b>	-	-	-	-	-	505	4	-	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	505	4	-	-
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	-	-	-	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	-	-	-	-	-	785	15	-	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	785	15	-	-
<b>Other Temporary</b>	-	-	-	-	-	3,885	199	-	-
<b>Permanent crops</b>	-	-	-	*	*	8,824	1,929	*	*
Avocado	-	-	-	-	-	2,148	31	-	-
Bananas	-	-	-	-	-	4,210	103	-	-
Guava	-	-	-	-	-	*	*	-	-
Lemons	-	-	-	-	-	485	5	-	-
Mangoes	-	-	-	-	-	621	4	-	-
Oranges	-	-	-	-	-	*	*	-	-
Papayas	-	-	-	-	-	1,389	14	-	-
Pineapples	-	-	-	-	-	-	-	-	-
Chat	-	-	-	-	-	1,237	35	-	-
Coffee	*	*	-	-	-	8,402	966	-	-
Hops / 'Geshe'	-	-	-	-	-	-	-	-	-
Enset	-	-	-	*	*	8,236	699	-	-
Sugar cane	-	-	-	-	-	2,099	65	-	-
Other permanent	-	-	-	-	-	485	1	-	-

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
<b>All</b>	5,327	561	*	3,787	554	*	*	*
<b>Cereals</b>	2,809	127	*	1,563	120	*	*	*
Teff	830	16	-	250	16	-	-	-
Barley	181	16	-	393	16	-	-	-
Wheat	326	16	-	272	16	-	-	-
Maize	935	26	-	879	26	-	-	-
Sorghum	535	53	*	509	46	*	*	*
Finger millet	*	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
<b>Pulses</b>	1,970	73	-	1,484	73	-	-	-
Horse / Faba beans	21	*	-	158	*	-	-	-
Field Peas	103	*	-	*	*	-	-	-
Haricot beans	1,397	64	-	1,305	64	-	-	-
Chick peas	373	-	-	-	-	-	-	-
Lentils	52	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	*	-	-	-	-	-	-	-
Fenugreek	24	*	-	*	*	-	-	-
Gibto	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	*	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-
Linseed	*	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-
Safflower	*	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-
<b>Vegetables</b>	39	29	-	1,482	29	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	*	-	-	-	-	-	-	-
Ethiopian cabbage	37	27	-	1,372	27	-	-	-
Tomatoes	*	*	-	149	*	-	-	-
Green peppers	1	*	-	*	*	-	-	-
Red peppers	*	-	-	-	-	-	-	-
Swiss chard	*	*	-	*	*	-	-	-
<b>Root crops</b>	35	11	-	673	11	-	-	-
Beetroot	*	*	-	*	*	-	-	-
Carrot	*	*	-	*	*	-	-	-
Onion	6	*	-	*	*	-	-	-
Potatoes	17	5	-	366	5	-	-	-
Garlic	*	-	-	-	-	-	-	-
Taro 'Godere'	*	*	-	*	*	-	-	-
Sweet potatoes	10	*	-	277	*	-	-	-
<b>Other Temporary</b>	59	24	-	1,454	24	-	-	-
<b>Permanent crops</b>	411	298	-	3,170	298	-	-	-
Avocado	1	1	-	264	1	-	-	-
Bananas	14	2	-	630	2	-	-	-
Guava	*	1	-	236	1	-	-	-
Lemons	*	*	-	*	*	-	-	-
Mangoes	*	*	-	*	*	-	-	-
Oranges	*	*	-	*	*	-	-	-
Papayas	6	1	-	421	1	-	-	-
Pineapples	-	-	-	-	-	-	-	-
Chat	1	*	-	*	*	-	-	-
Coffee	85	35	-	1,200	35	-	-	-
Hops / 'Geshe'	*	-	-	-	-	-	-	-
Enset	266	253	-	2,225	253	-	-	-
Sugar cane	13	3	-	395	3	-	-	-
Other permanent	13	2	-	631	2	-	-	-



(Table 1.7.14 cont'd.)

**Burji Special Wereda**

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
<b>All</b>	-	-	-	-	-	-	8,870	5,320	2,113
<b>Cereals</b>	-	-	-	-	-	-	7,262	2,809	1,057
Teff	-	-	-	-	-	-	2,953	830	354
Barley	-	-	-	-	-	-	3,129	181	136
Wheat	-	-	-	-	-	-	3,150	326	305
Maize	-	-	-	-	-	-	3,761	935	226
Sorghum	-	-	-	-	-	-	2,212	535	36
Finger millet	-	-	-	-	-	-	*	*	*
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	-	-	-	-	-	-	6,952	1,970	1,055
Horse / Faba beans	-	-	-	-	-	-	594	21	15
Field Peas	-	-	-	-	-	-	785	103	59
Haricot beans	-	-	-	-	-	-	6,103	1,397	839
Chick peas	-	-	-	-	-	-	1,711	373	126
Lentils	-	-	-	-	-	-	643	52	12
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	*	*	-
Fenugreek	-	-	-	-	-	-	461	24	5
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	-	-	-	169	*	1
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	105	*	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	*	*	*
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
<b>Vegetables</b>	-	-	-	-	-	-	2,625	39	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	2,119	37	-
Tomatoes	-	-	-	-	-	-	333	*	-
Green peppers	-	-	-	-	-	-	440	1	-
Red peppers	-	-	-	-	-	-	*	*	-
Swiss chard	-	-	-	-	-	-	*	*	-
<b>Root crops</b>	-	-	-	-	-	-	1,889	34	-
Beetroot	-	-	-	-	-	-	*	*	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	-	-	-	-	-	-	495	6	-
Potatoes	-	-	-	-	-	-	866	17	-
Garlic	-	-	-	-	-	-	*	*	-
Taro 'Godere'	-	-	-	-	-	-	*	*	-
Sweet potatoes	-	-	-	-	-	-	731	10	-
<b>Other Temporary</b>	-	-	-	-	-	-	3,203	59	-
<b>Permanent crops</b>	-	-	-	-	-	-	6,912	405	-
Avocado	-	-	-	-	-	-	692	1	-
Bananas	-	-	-	-	-	-	2,584	14	-
Guava	-	-	-	-	-	-	968	*	-
Lemons	-	-	-	-	-	-	197	*	-
Mangoes	-	-	-	-	-	-	213	*	-
Oranges	-	-	-	-	-	-	130	*	-
Papayas	-	-	-	-	-	-	1,874	6	-
Pineapples	-	-	-	-	-	-	-	-	-
Chat	-	-	-	-	-	-	298	1	-
Coffee	-	-	-	-	-	-	2,681	79	-
Hops / 'Geshe'	-	-	-	-	-	-	173	*	-
Enset	-	-	-	-	-	-	2,815	266	-
Sugar cane	-	-	-	-	-	-	1,882	13	-
Other permanent	-	-	-	-	-	-	2,500	13	-

(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
<b>All</b>	613	7	-	457	148	162	*	*	*
<b>Cereals</b>	-	-	-	438	148	-	-	*	*
Teff	-	-	-	438	148	-	-	-	-
Barley	-	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-	-
Maize	-	-	-	-	-	-	-	-	-
Sorghum	-	-	-	-	-	-	-	*	*
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	-	-	-	-	-	*	*	-	-
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	-	-	-	-
Chick peas	-	-	-	-	-	*	*	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	*	*	-	-
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
<b>Vegetables</b>	*	*	-	-	-	*	*	-	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	-	-	*	*	-	-
Ethiopian cabbage	-	-	-	-	-	*	*	-	-
Tomatoes	*	*	-	-	-	*	*	-	-
Green peppers	*	*	-	-	-	*	*	-	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	143	*	-	-	-	*	*	*	*
Beetroot	122	*	-	-	-	*	*	*	*
Carrot	*	*	-	-	-	*	*	*	*
Onion	*	*	-	-	-	*	*	-	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
<b>Other Temporary</b>	-	-	-	-	-	-	-	-	-
<b>Permanent crops</b>				*	*	*	*	*	*
Avocado				-	-	-	-	-	-
Bananas				-	-	*	*	*	*
Guava				-	-	-	-	*	*
Lemons				-	-	-	-	-	-
Mangoes				-	-	-	-	-	-
Oranges				-	-	-	-	-	-
Papayas				-	-	-	-	-	-
Pineapples				-	-	-	-	-	-
Chat				-	-	-	-	-	-
Coffee	502	6	-	-	-	-	-	*	*
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
<b>All</b>	27,453	7,552	-	17,715	7,552	-	-	-
<b>Cereals</b>	19,792	5,062	-	17,260	5,062	-	-	-
Teff	2,483	*	-	*	*	-	-	-
Barley	146	*	-	*	*	-	-	-
Wheat	*	-	-	-	-	-	-	-
Maize	5,316	300	-	5,310	300	-	-	-
Sorghum	11,821	4,461	-	15,924	4,461	-	-	-
Finger millet	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
<b>Pulses</b>	2,760	465	-	5,744	465	-	-	-
Horse / Faba beans	*	-	-	-	-	-	-	-
Field Peas	*	-	-	-	-	-	-	-
Haricot beans	2,422	465	-	5,744	465	-	-	-
Chick peas	*	-	-	-	-	-	-	-
Lentils	*	-	-	-	-	-	-	-
Vetch / Grass peas	*	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	*	*	-	*	*	-	-	-
Neug	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-
Safflower	*	*	-	*	*	-	-	-
Sesame	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-
<b>Vegetables</b>	*	*	-	*	*	-	-	-
Lettuce	*	*	-	*	*	-	-	-
Head cabbage	-	-	-	-	-	-	-	-
Ethiopian cabbage	*	*	-	*	*	-	-	-
Tomatoes	*	-	-	-	-	-	-	-
Green peppers	*	*	-	*	*	-	-	-
Red peppers	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
<b>Root crops</b>	*	*	-	963	*	-	-	-
Beetroot	*	*	-	*	*	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	*	*	-	*	*	-	-	-
Potatoes	*	*	-	*	*	-	-	-
Garlic	-	-	-	-	-	-	-	-
Taro 'Godere'	*	-	-	-	-	-	-	-
Sweet potatoes	*	*	-	473	*	-	-	-
<b>Other Temporary</b>	2,581	916	-	11,419	916	-	-	-
<b>Permanent crops</b>	2,280	1,086	-	12,640	1,086	-	-	-
Avocado	-	-	-	-	-	-	-	-
Bananas	74	30	-	2,563	30	-	-	-
Guava	*	*	-	*	*	-	-	-
Lemons	*	-	-	-	-	-	-	-
Mangoes	6	*	-	*	*	-	-	-
Oranges	*	*	-	*	*	-	-	-
Papayas	*	*	-	1,347	*	-	-	-
Pineapples	-	-	-	-	-	-	-	-
Chat	*	*	-	951	*	-	-	-
Coffee	291	113	-	4,687	113	-	-	-
Hops / 'Geshe'	42	*	-	*	*	-	-	-
Enset	*	*	-	*	*	-	-	-
Sugar cane	*	*	-	*	*	-	-	-
Other permanent	1,562	890	-	10,600	890	-	-	-

(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
<b>All</b>	-	-	-	-	-	-	36,996	27,434	3,801
<b>Cereals</b>	-	-	-	-	-	-	36,716	19,774	2,958
Teff	-	-	-	-	-	-	8,137	2,483	1,045
Barley	-	-	-	-	-	-	1,814	146	82
Wheat	-	-	-	-	-	-	*	*	*
Maize	-	-	-	-	-	-	20,276	5,298	1,665
Sorghum	-	-	-	-	-	-	32,655	11,821	150
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	-	-	-	-	-	-	17,846	2,760	843
Horse / Faba beans	-	-	-	-	-	-	*	*	*
Field Peas	-	-	-	-	-	-	869	*	*
Haricot beans	-	-	-	-	-	-	17,655	2,422	742
Chick peas	-	-	-	-	-	-	*	*	*
Lentils	-	-	-	-	-	-	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	*	*	*
Soya beans	-	-	-	-	-	-	*	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	-	-	-	*	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	*	*	*
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
<b>Vegetables</b>	-	-	-	-	-	-	*	*	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	*	*	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	*	*	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	-	-	-	-	-	-	2,211	*	-
Beetroot	-	-	-	-	-	-	*	*	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	*	*	-
Potatoes	-	-	-	-	-	-	*	*	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	*	*	-
Sweet potatoes	-	-	-	-	-	-	1,434	*	-
<b>Other Temporary</b>	-	-	-	-	-	-	22,453	2,581	-
<b>Permanent crops</b>							30,177	2,280	
Avocado							-	-	
Bananas							5,579	74	
Guava							*	*	
Lemons							*	*	
Mangoes							1,631	6	
Oranges							*	*	
Papayas							9,317	*	
Pineapples							-	-	
Chat							1,504	*	
Coffee							8,600	291	
Hops / 'Geshe'							3,078	42	
Enset							1,052	*	
Sugar cane							*	*	
Other permanent							24,630	1,562	

(Table 1.7.15 Cont'd.)

**Konso Special Wereda**

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
<b>All</b>	*	*	*	*	*	*	*	386	*
<b>Cereals</b>	*	*	*	*	*	*	*	*	*
Teff	-	-	-	*	*	-	-	-	-
Barley	-	-	-	-	-	-	-	*	*
Wheat	-	-	-	-	-	-	-	-	-
Maize	*	*	*	-	-	*	*	*	*
Sorghum	-	-	-	-	-	*	*	*	*
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	-	-	-	-	-	*	*	*	*
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	*	*	*	*
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
<b>Vegetables</b>	*	*	-	-	-	-	-	-	-
Lettuce	*	*	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	-	-	-	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	*	*	-	-	-	-	-	-	-
Beetroot	*	*	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
<b>Other Temporary</b>	-	-	-	-	-	-	-	*	*
<b>Permanent crops</b>				*	*	*	*	*	*
Avocado				-	-	-	-	-	-
Bananas				-	-	*	*	-	-
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	*	*	-	-
Oranges				-	-	-	-	-	-
Papayas				-	-	*	*	-	-
Pineapples				-	-	-	-	-	-
Chat				-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	*	*
Hops / 'Geshe'				-	-	-	-	-	-
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
<b>All</b>	18,810	*	-	6,407	*	-	-	-
<b>Cereals</b>	14,673	*	-	*	*	-	-	-
Teff	2,117	-	-	-	-	-	-	-
Barley	542	*	-	*	*	-	-	-
Wheat	*	*	-	*	*	-	-	-
Maize	2,880	*	-	*	*	-	-	-
Sorghum	8,761	*	-	*	*	-	-	-
Finger millet	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
<b>Pulses</b>	1,951	*	-	*	*	-	-	-
Horse / Faba beans	*	*	-	*	*	-	-	-
Field Peas	*	-	-	-	-	-	-	-
Haricot beans	960	*	-	*	*	-	-	-
Chick peas	547	-	-	-	-	-	-	-
Lentils	*	-	-	-	-	-	-	-
Vetch / Grass peas	*	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	*	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-
Linseed	*	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-
Safflower	*	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-
<b>Vegetables</b>	104	*	-	1,971	*	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	*	-	-	-	-	-	-	-
Ethiopian cabbage	95	*	-	1,614	*	-	-	-
Tomatoes	*	-	-	-	-	-	-	-
Green peppers	*	*	-	*	*	-	-	-
Red peppers	*	*	-	*	*	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
<b>Root crops</b>	223	*	-	1,244	*	-	-	-
Beetroot	*	*	-	*	*	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	146	*	-	*	*	-	-	-
Potatoes	25	*	-	*	*	-	-	-
Garlic	*	-	-	-	-	-	-	-
Taro 'Godere'	*	*	-	*	*	-	-	-
Sweet potatoes	37	*	-	476	*	-	-	-
<b>Other Temporary</b>	428	*	-	709	*	-	-	-
<b>Permanent crops</b>	1,426	202	-	4,319	202	-	-	-
Avocado	*	-	-	-	-	-	-	-
Bananas	97	*	-	*	*	-	-	-
Guava	*	-	-	-	-	-	-	-
Lemons	1	-	-	-	-	-	-	-
Mangoes	*	-	-	-	-	-	-	-
Oranges	*	-	-	-	-	-	-	-
Papayas	*	*	-	*	*	-	-	-
Pineapples	-	-	-	-	-	-	-	-
Chat	*	*	-	*	*	-	-	-
Coffee	237	46	-	2,753	46	-	-	-
Hops / 'Geshe'	86	*	-	438	*	-	-	-
Enset	434	*	-	3,275	*	-	-	-
Sugar cane	42	*	-	*	*	-	-	-
Other permanent	402	*	-	*	*	-	-	-

(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
<b>All</b>	-	-	-	-	-	-	25,839	18,810	2,458
<b>Cereals</b>	-	-	-	-	-	-	24,334	14,673	1,926
Teff	-	-	-	-	-	-	8,760	2,117	664
Barley	-	-	-	-	-	-	4,204	542	181
Wheat	-	-	-	-	-	-	2,100	*	*
Maize	-	-	-	-	-	-	16,109	2,880	653
Sorghum	-	-	-	-	-	-	18,887	8,761	320
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	-	-	-	-	-	-	13,715	1,951	530
Horse / Faba beans	-	-	-	-	-	-	1,441	*	*
Field Peas	-	-	-	-	-	-	2,066	*	*
Haricot beans	-	-	-	-	-	-	11,443	960	296
Chick peas	-	-	-	-	-	-	2,565	547	117
Lentils	-	-	-	-	-	-	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	*	*	*
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	-	-	-	457	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	*	*	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	*	*	*
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
<b>Vegetables</b>	-	-	-	-	-	-	7,905	104	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	*	*	-
Ethiopian cabbage	-	-	-	-	-	-	7,129	95	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	737	*	-
Red peppers	-	-	-	-	-	-	*	*	-
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	-	-	-	-	-	-	7,421	223	-
Beetroot	-	-	-	-	-	-	*	*	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	3,727	146	-
Potatoes	-	-	-	-	-	-	1,669	25	-
Garlic	-	-	-	-	-	-	*	*	-
Taro 'Godere'	-	-	-	-	-	-	1,554	*	-
Sweet potatoes	-	-	-	-	-	-	2,902	37	-
<b>Other Temporary</b>	-	-	-	-	-	-	6,774	428	-
<b>Permanent crops</b>							20,973	1,426	
Avocado							*	*	
Bananas							3,980	97	
Guava							*	*	
Lemons							412	1	
Mangoes							*	*	
Oranges							*	*	
Papayas							860	*	
Pineapples							-	-	
Chat							3,079	*	
Coffee							12,448	237	
Hops / 'Geshe'							4,301	86	
Enset							10,714	434	
Sugar cane							3,492	42	
Other permanent							7,524	402	

(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
<b>All</b>	-	-	-	*	*	658	*	*	*
<b>Cereals</b>	-	-	-	*	*	658	*	*	*
Teff	-	-	-	-	-	*	*	-	-
Barley	-	-	-	-	-	-	-	*	*
Wheat	-	-	-	-	-	-	-	-	-
Maize	-	-	-	*	*	*	*	-	-
Sorghum	-	-	-	*	*	*	*	-	-
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	-	-	-	*	*	*	*	-	-
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	*	*	-	-
Chick peas	-	-	-	*	*	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
<b>Vegetables</b>	-	-	-	-	-	-	-	-	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	-	-	-	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	-	-	-	-	-	*	*	-	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	*	*	-	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
<b>Other Temporary</b>	-	-	-	-	-	-	-	-	-
<b>Permanent crops</b>	-	-	-	-	-	*	*	*	*
Avocado	-	-	-	-	-	-	-	-	-
Bananas	-	-	-	-	-	*	*	*	*
Guava	-	-	-	-	-	-	-	-	-
Lemons	-	-	-	-	-	-	-	-	-
Mangoes	-	-	-	-	-	-	-	-	-
Oranges	-	-	-	-	-	-	-	-	-
Papayas	-	-	-	-	-	-	-	-	-
Pineapples	-	-	-	-	-	-	-	-	-
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
<b>All</b>	44,863	9,945	*	69,976	9,501	*	*	*
<b>Cereals</b>	20,017	679	*	4,789	235	*	*	*
Teff	10,755	*	*	*	*	*	*	*
Barley	1,070	*	-	*	*	-	-	-
Wheat	1,718	*	-	*	*	-	-	-
Maize	3,802	128	-	2,697	128	-	-	-
Sorghum	2,510	*	-	1,208	*	-	-	-
Finger millet	*	-	-	-	-	-	-	-
Oats / 'Aja'	127	-	-	-	-	-	-	-
Rice	*	-	-	-	-	-	-	-
<b>Pulses</b>	10,734	251	-	4,267	251	-	-	-
Horse / Faba beans	4,623	*	-	1,376	*	-	-	-
Field Peas	3,976	*	-	*	*	-	-	-
Haricot beans	1,693	*	-	2,678	*	-	-	-
Chick peas	*	-	-	-	-	-	-	-
Lentils	397	*	-	*	*	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	*	*	-	*	*	-	-	-
Fenugreek	*	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	190	*	-	*	*	-	-	-
Neug	*	-	-	-	-	-	-	-
Linseed	119	*	-	*	*	-	-	-
Groundnuts	65	*	-	*	*	-	-	-
Safflower	*	*	-	*	*	-	-	-
Sesame	*	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-
<b>Vegetables</b>	260	219	-	33,683	219	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	*	*	-	-	-
Ethiopian cabbage	231	210	-	32,286	210	-	-	-
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	13	5	-	2,241	5	-	-	-
Red peppers	*	*	-	*	*	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
<b>Root crops</b>	3,478	954	-	35,524	954	-	-	-
Beetroot	*	*	-	*	*	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	3	*	-	*	*	-	-	-
Potatoes	31	*	-	1,353	*	-	-	-
Garlic	10	*	-	*	*	-	-	-
Taro 'Godere'	2,846	807	-	32,196	807	-	-	-
Sweet potatoes	587	130	-	5,983	130	-	-	-
<b>Other Temporary</b>	619	263	-	15,349	263	-	-	-
<b>Permanent crops</b>	9,565	7,572	-	67,403	7,572	-	-	-
Avocado	56	18	-	4,135	18	-	-	-
Bananas	406	80	-	5,900	80	-	-	-
Guava	*	*	-	*	*	-	-	-
Lemons	2	-	-	-	-	-	-	-
Mangoes	*	*	-	639	*	-	-	-
Oranges	*	*	-	*	*	-	-	-
Papayas	57	33	-	5,321	33	-	-	-
Pineapples	-	-	-	-	-	-	-	-
Chat	7	*	-	*	*	-	-	-
Coffee	887	422	-	17,226	422	-	-	-
Hops / 'Gescho'	47	*	-	1,305	*	-	-	-
Enset	7,858	6,929	-	66,345	6,929	-	-	-
Sugar cane	181	63	-	6,978	63	-	-	-
Other permanent	28	12	-	2,078	12	-	-	-

(Table 1.7.17 cont'd.)

**Dawro**

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
<b>All</b>	*	*	*	-	-	-	79,059	44,860	18,262
<b>Cereals</b>	*	*	*	-	-	-	58,853	20,017	9,353
Teff	*	*	*	-	-	-	39,073	10,755	3,895
Barley	-	-	-	-	-	-	9,993	1,070	1,149
Wheat	-	-	-	-	-	-	9,523	1,718	2,042
Maize	-	-	-	-	-	-	16,904	3,802	1,533
Sorghum	-	-	-	-	-	-	17,902	2,510	573
Finger millet	-	-	-	-	-	-	*	*	*
Oats / 'Aja'	-	-	-	-	-	-	2,502	127	118
Rice	-	-	-	-	-	-	*	*	-
<b>Pulses</b>	-	-	-	-	-	-	47,083	10,731	8,842
Horse / Faba beans	-	-	-	-	-	-	28,436	4,623	4,938
Field Peas	-	-	-	-	-	-	16,672	3,976	2,683
Haricot beans	-	-	-	-	-	-	16,787	1,690	994
Chick peas	-	-	-	-	-	-	*	*	*
Lentils	-	-	-	-	-	-	4,972	397	214
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	443	*	*
Fenugreek	-	-	-	-	-	-	*	*	*
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	-	-	-	7,954	190	67
Neug	-	-	-	-	-	-	*	*	-
Linseed	-	-	-	-	-	-	6,450	119	34
Groundnuts	-	-	-	-	-	-	1,346	65	*
Safflower	-	-	-	-	-	-	*	*	-
Sesame	-	-	-	-	-	-	*	*	*
Rapeseed	-	-	-	-	-	-	-	-	-
<b>Vegetables</b>	-	-	-	-	-	-	37,977	260	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	*	*	-
Ethiopian cabbage	-	-	-	-	-	-	35,560	231	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	4,231	13	-
Red peppers	-	-	-	-	-	-	1,879	*	-
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	-	-	-	-	-	-	60,292	3,478	-
Beetroot	-	-	-	-	-	-	*	*	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	584	3	-
Potatoes	-	-	-	-	-	-	2,910	31	-
Garlic	-	-	-	-	-	-	1,358	10	-
Taro 'Godere'	-	-	-	-	-	-	55,371	2,846	-
Sweet potatoes	-	-	-	-	-	-	16,256	587	-
<b>Other Temporary</b>	-	-	-	-	-	-	26,409	619	-
<b>Permanent crops</b>	-	-	-	-	-	-	77,738	9,565	-
Avocado	-	-	-	-	-	-	11,023	56	-
Bananas	-	-	-	-	-	-	31,101	406	-
Guava	-	-	-	-	-	-	*	*	-
Lemons	-	-	-	-	-	-	879	2	-
Mangoes	-	-	-	-	-	-	2,149	*	-
Oranges	-	-	-	-	-	-	2,991	*	-
Papayas	-	-	-	-	-	-	14,237	57	-
Pineapples	-	-	-	-	-	-	-	-	-
Chat	-	-	-	-	-	-	1,417	7	-
Coffee	-	-	-	-	-	-	36,369	887	-
Hops / 'Geshe'	-	-	-	-	-	-	7,492	47	-
Enset	-	-	-	-	-	-	75,289	7,858	-
Sugar cane	-	-	-	-	-	-	15,176	181	-
Other permanent	-	-	-	-	-	-	6,258	28	-

(Table1.7.17 Contd.)

**Dawro**

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
<b>All</b>	*	*	*	3,418	1,078	*	*	*	*
<b>Cereals</b>	-	-	-	*	1,030	-	-	*	*
Teff	-	-	-	*	954	-	-	*	*
Barley	-	-	-	*	*	-	-	*	*
Wheat	-	-	-	*	*	-	-	*	*
Maize	-	-	-	-	-	-	-	-	-
Sorghum	-	-	-	*	*	-	-	-	-
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	*	*	*	-	-	*	*	*	*
Horse / Faba beans	-	-	-	-	-	*	*	*	*
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	*	*	*	-	-	-	-	-	-
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	-	-	-	-	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	*	*
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
<b>Vegetables</b>	*	*	-	*	*	*	*	-	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	*	*	-	-	-	-
Ethiopian cabbage	-	-	-	*	*	-	-	-	-
Tomatoes	*	*	-	*	*	*	*	-	-
Green peppers	-	-	-	-	-	-	-	-	-
Red peppers	-	-	-	*	*	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	*	*	-	*	*	*	*	-	-
Beetroot	*	*	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	*	*	-	*	*	-	-	-	-
Potatoes	-	-	-	*	*	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	*	*	-	*	*	*	*	-	-
Sweet potatoes	-	-	-	*	*	-	-	-	-
<b>Other Temporary</b>	-	-	-	-	-	-	-	-	-
<b>Permanent crops</b>	-	-	-	*	*	-	-	*	*
Avocado	-	-	-	-	-	-	-	-	-
Bananas	-	-	-	*	*	-	-	-	-
Guava	-	-	-	-	-	-	-	-	-
Lemons	-	-	-	-	-	-	-	-	-
Mangoes	-	-	-	-	-	-	-	-	-
Oranges	-	-	-	-	-	-	-	-	-
Papayas	-	-	-	-	-	-	-	-	-
Pineapples	-	-	-	-	-	-	-	-	-
Chat	-	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-	-
Hops / 'Geshe'	-	-	-	-	-	-	-	-	-
Enset	-	-	-	*	*	-	-	-	-
Sugar cane	-	-	-	-	-	-	-	-	-
Other permanent	-	-	-	*	*	-	-	*	*

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
<b>All</b>	5,860	1,076	186	6,971	964	102	40	30
<b>Cereals</b>	3,149	193	109	2,270	90	102	34	17
Teff	1,575	24	-	213	24	-	-	-
Barley	291	17	-	95	17	-	-	-
Wheat	31	-	-	-	-	-	-	-
Maize	835	137	109	1,767	34	102	34	17
Sorghum	416	15	-	598	15	-	-	-
Finger millet	1	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
<b>Pulses</b>	386	22	*	1,388	19	*	*	*
Horse / Faba beans	7	1	-	59	1	-	-	-
Field Peas	108	6	*	318	3	*	*	*
Haricot beans	243	15	-	1,221	15	-	-	-
Chick peas	27	*	-	*	*	-	-	-
Lentils	*	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	*	-	-	-	-	-	-	-
Fenugreek	*	-	-	-	-	-	-	-
Gibto	*	-	-	-	-	-	-	-
<b>Oilseeds</b>	28	*	-	32	*	-	-	-
Neug	-	-	-	-	-	-	-	-
Linseed	9	-	-	-	-	-	-	-
Groundnuts	*	*	-	*	*	-	-	-
Safflower	11	*	-	*	*	-	-	-
Sesame	8	*	-	*	*	-	-	-
Rapeseed	-	-	-	-	-	-	-	-
<b>Vegetables</b>	27	6	-	1,015	6	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	3	1	-	116	1	-	-	-
Ethiopian cabbage	16	4	-	775	4	-	-	-
Tomatoes	*	-	-	-	-	-	-	-
Green peppers	2	*	-	135	*	-	-	-
Red peppers	5	*	-	86	*	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
<b>Root crops</b>	516	74	32	3,440	70	*	*	*
Beetroot	*	*	-	50	*	-	-	-
Carrot	*	-	-	-	-	-	-	-
Onion	3	1	-	418	1	-	-	-
Potatoes	6	*	-	166	*	-	-	-
Garlic	*	-	-	-	-	-	-	-
Taro 'Godere'	122	28	*	2,202	27	-	-	-
Sweet potatoes	386	45	*	1,602	41	*	*	*
<b>Other Temporary</b>	321	63	-	4,048	63	-	-	-
<b>Permanent crops</b>	1,432	718	-	6,592	716	-	-	-
Avocado	11	3	-	959	3	-	-	-
Bananas	103	44	-	3,109	44	-	-	-
Guava	*	-	-	-	-	-	-	-
Lemons	1	*	-	47	*	-	-	-
Mangoes	10	2	-	1,088	2	-	-	-
Oranges	1	*	-	120	*	-	-	-
Papayas	7	2	-	369	2	-	-	-
Pineapples	*	-	-	-	-	-	-	-
Chat	*	*	-	*	*	-	-	-
Coffee	479	226	-	5,563	225	-	-	-
Hops / 'Geshe'	31	7	-	371	6	-	-	-
Enset	717	399	-	6,304	399	-	-	-
Sugar cane	69	34	-	2,026	34	-	-	-
Other permanent	2	*	-	144	*	-	-	-

(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
<b>All</b>	-	-	-	184	72	155	12,132	5,757	1,596
<b>Cereals</b>	-	-	-	184	69	93	11,421	3,047	1,456
Teff	-	-	-	-	-	-	7,300	1,575	735
Barley	-	-	-	-	-	-	1,881	291	319
Wheat	-	-	-	-	-	-	185	31	35
Maize	-	-	-	184	69	93	8,407	732	302
Sorghum	-	-	-	-	-	-	5,698	416	64
Finger millet	-	-	-	-	-	-	61	1	*
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	-	-	-	-	-	-	8,384	386	134
Horse / Faba beans	-	-	-	-	-	-	549	7	2
Field Peas	-	-	-	-	-	-	3,059	108	54
Haricot beans	-	-	-	-	-	-	7,128	243	73
Chick peas	-	-	-	-	-	-	133	27	5
Lentils	-	-	-	-	-	-	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	*	*	*
Fenugreek	-	-	-	-	-	-	*	*	*
Gibto	-	-	-	-	-	-	*	*	*
<b>Oilseeds</b>	-	-	-	-	-	-	1,745	28	6
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	711	9	2
Groundnuts	-	-	-	-	-	-	55	*	*
Safflower	-	-	-	-	-	-	876	11	2
Sesame	-	-	-	-	-	-	183	8	1
Rapeseed	-	-	-	-	-	-	-	-	-
<b>Vegetables</b>	-	-	-	-	-	-	3,466	27	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	459	3	-
Ethiopian cabbage	-	-	-	-	-	-	2,423	16	-
Tomatoes	-	-	-	-	-	-	117	*	-
Green peppers	-	-	-	-	-	-	567	2	-
Red peppers	-	-	-	-	-	-	366	5	-
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	-	-	-	*	*	*	10,589	516	-
Beetroot	-	-	-	-	-	-	112	*	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	-	-	-	-	-	-	1,326	3	-
Potatoes	-	-	-	-	-	-	797	6	-
Garlic	-	-	-	-	-	-	63	*	-
Taro 'Godere'	-	-	-	*	*	*	6,936	122	-
Sweet potatoes	-	-	-	-	-	-	8,920	386	-
<b>Other Temporary</b>	-	-	-	-	-	-	10,407	321	-
<b>Permanent crops</b>	-	-	-	-	-	-	11,557	1,432	-
Avocado	-	-	-	-	-	-	3,044	11	-
Bananas	-	-	-	-	-	-	8,226	103	-
Guava	-	-	-	-	-	-	152	*	-
Lemons	-	-	-	-	-	-	283	1	-
Mangoes	-	-	-	-	-	-	3,629	10	-
Oranges	-	-	-	-	-	-	602	1	-
Papayas	-	-	-	-	-	-	1,096	7	-
Pineapples	-	-	-	-	-	-	107	*	-
Chat	-	-	-	-	-	-	115	*	-
Coffee	-	-	-	-	-	-	10,383	479	-
Hops / 'Gesho'	-	-	-	-	-	-	1,971	31	-
Enset	-	-	-	-	-	-	11,078	717	-
Sugar cane	-	-	-	-	-	-	4,472	69	-
Other permanent	-	-	-	-	-	-	991	2	-

(Table 1.7.18 Cont'd.)

## Basketo Special Wereda

	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
Crop type	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
<b>All</b>	260	103	14	78	*	*	*	249	85
<b>Cereals</b>	260	103	14	-	-	-	-	249	74
Teff	-	-	-	-	-	-	-	-	-
Barley	-	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-	-
Maize	260	103	14	-	-	-	-	249	74
Sorghum	-	-	-	-	-	-	-	-	-
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	-	-	-	-	-	-	-	59	6
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	*	*
Haricot beans	-	-	-	-	-	-	-	*	*
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	-	-	-	-	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	*	*
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
<b>Vegetables</b>	-	-	-	-	-	-	-	-	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	-	-	-	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	-	-	-	-	-	*	*	*	*
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	*	*	-	-
Sweet potatoes	-	-	-	-	-	-	-	*	*
<b>Other Temporary</b>	-	-	-	-	-	*	*	-	-
<b>Permanent crops</b>				78	*	-	-	*	*
Avocado				-	-	-	-	-	-
Bananas				45	*	-	-	-	-
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	-	-	-	-
Oranges				-	-	-	-	-	-
Papayas				-	-	-	-	-	-
Pineapples				-	-	-	-	-	-
Chat				-	-	-	-	-	-
Coffee	-	-	-	*	*	-	-	-	-
Hops / 'Gescho'				-	-	-	-	*	*
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
<b>All</b>	15,558	1,390	397	10,875	1,121	222	47	32
<b>Cereals</b>	8,839	552	333	1,546	285	222	47	32
Teff	4,687	197	-	602	197	-	-	-
Barley	741	*	-	*	*	-	-	-
Wheat	554	269	333	65	2	222	47	32
Maize	1,519	77	-	1,210	77	-	-	-
Sorghum	1,331	7	-	171	7	-	-	-
Finger millet	-	-	-	-	-	-	-	-
Oats / 'Aja'	7	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
<b>Pulses</b>	3,004	79	-	978	79	-	-	-
Horse / Faba beans	1,623	22	-	368	22	-	-	-
Field Peas	833	27	-	185	27	-	-	-
Haricot beans	547	31	-	564	31	-	-	-
Chick peas	-	-	-	-	-	-	-	-
Lentils	*	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	*	-	-	-	-	-	-	-
Fenugreek	*	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	139	18	-	331	18	-	-	-
Neug	4	*	-	*	*	-	-	-
Linseed	10	-	-	-	-	-	-	-
Groundnuts	3	1	-	47	1	-	-	-
Safflower	*	*	-	*	*	-	-	-
Sesame	122	17	-	306	17	-	-	-
Rapeseed	-	-	-	-	-	-	-	-
<b>Vegetables</b>	46	24	-	3,658	24	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-
Ethiopian cabbage	30	22	-	3,298	22	-	-	-
Tomatoes	-	-	-	-	-	-	-	-
Green peppers	5	1	-	227	1	-	-	-
Red peppers	11	1	-	764	1	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
<b>Root crops</b>	1,585	191	-	4,215	191	-	-	-
Beetroot	*	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	3	-	-	-	-	-	-	-
Potatoes	32	*	-	*	*	-	-	-
Garlic	2	*	-	230	*	-	-	-
Taro 'Godere'	1,482	160	-	3,795	160	-	-	-
Sweet potatoes	67	31	-	730	31	-	-	-
<b>Other Temporary</b>	300	48	-	2,763	48	-	-	-
<b>Permanent crops</b>	1,643	478	-	9,050	475	-	-	-
Avocado	18	2	-	912	2	-	-	-
Bananas	251	11	-	1,647	11	-	-	-
Guava	2	-	-	-	-	-	-	-
Lemons	1	*	-	*	*	-	-	-
Mangoes	5	1	-	159	1	-	-	-
Oranges	3	*	-	180	*	-	-	-
Papayas	22	8	-	1,802	8	-	-	-
Pineapples	*	*	-	*	*	-	-	-
Chat	20	2	-	134	1	-	-	-
Coffee	287	20	-	1,618	19	-	-	-
Hops / 'Geshe'	10	*	-	96	*	-	-	-
Enset	987	426	-	8,498	425	-	-	-
Sugar cane	36	5	-	785	5	-	-	-
Other permanent	2	2	-	416	2	-	-	-

(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
<b>All</b>	*	*	-	858	222	365	19,210	15,265	6,300
<b>Cereals</b>	-	-	-	858	220	301	16,679	8,576	4,029
Teff	-	-	-	-	-	-	11,957	4,687	1,861
Barley	-	-	-	-	-	-	3,287	741	717
Wheat	-	-	-	858	220	301	2,019	291	285
Maize	-	-	-	-	-	-	6,504	1,519	716
Sorghum	-	-	-	-	-	-	6,469	1,331	442
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	89	7	9
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	-	-	-	-	-	-	12,430	3,004	2,254
Horse / Faba beans	-	-	-	-	-	-	6,967	1,623	1,405
Field Peas	-	-	-	-	-	-	4,039	833	615
Haricot beans	-	-	-	-	-	-	6,989	547	234
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	79	*	-
Fenugreek	-	-	-	-	-	-	*	*	*
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	-	-	-	1,541	111	16
Neug	-	-	-	-	-	-	102	4	1
Linseed	-	-	-	-	-	-	629	10	2
Groundnuts	-	-	-	-	-	-	88	3	*
Safflower	-	-	-	-	-	-	*	*	*
Sesame	-	-	-	-	-	-	892	93	13
Rapeseed	-	-	-	-	-	-	-	-	-
<b>Vegetables</b>	-	-	-	-	-	-	6,303	46	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	5,024	30	-
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	-	793	5	-
Red peppers	-	-	-	-	-	-	1,948	11	-
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	-	-	-	-	-	-	16,018	1,584	-
Beetroot	-	-	-	-	-	-	*	*	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	231	2	-
Potatoes	-	-	-	-	-	-	790	32	-
Garlic	-	-	-	-	-	-	575	2	-
Taro 'Godere'	-	-	-	-	-	-	15,086	1,482	-
Sweet potatoes	-	-	-	-	-	-	2,322	67	-
<b>Other Temporary</b>	-	-	-	-	-	-	8,321	300	-
<b>Permanent crops</b>	-	-	-	-	-	-	18,372	1,643	-
Avocado	-	-	-	-	-	-	3,925	18	-
Bananas	-	-	-	-	-	-	10,880	251	-
Guava	-	-	-	-	-	-	848	2	-
Lemons	-	-	-	-	-	-	719	1	-
Mangoes	-	-	-	-	-	-	1,459	5	-
Oranges	-	-	-	-	-	-	1,526	3	-
Papayas	-	-	-	-	-	-	5,501	22	-
Pineapples	-	-	-	-	-	-	*	*	-
Chat	-	-	-	-	-	-	1,674	20	-
Coffee	-	-	-	-	-	-	8,279	287	-
Hops / 'Gesho'	-	-	-	-	-	-	2,069	10	-
Enset	-	-	-	-	-	-	16,481	987	-
Sugar cane	-	-	-	-	-	-	3,636	36	-
Other permanent	-	-	-	-	-	-	1,107	2	-



(Table 1.7.19 Contd.)

## Konta Special Wereda

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
<b>All</b>	1,268	293	311	5,551	2,132	82	*	890	228
<b>Cereals</b>	1,038	263	310	5,365	2,130	*	*	806	217
Teff	-	-	-	4,821	1,864	-	-	-	-
Barley	-	-	-	220	53	-	-	-	-
Wheat	1,038	263	310	692	176	-	-	806	217
Maize	-	-	-	*	*	*	*	-	-
Sorghum	-	-	-	135	30	-	-	-	-
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	-	-	-	-	-	-	-	-	-
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	-	-	-	-
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	186	29	2	-	-	-	-	43	9
Neug	*	*	*	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	181	29	2	-	-	-	-	43	9
Rapeseed	-	-	-	-	-	-	-	-	-
<b>Vegetables</b>	-	-	-	*	*	-	-	-	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	*	*	-	-	-	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	*	*	-	*	*	-	-	-	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	*	*	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	*	*	-	-	-	-
<b>Other Temporary</b>	-	-	-	*	*	-	-	-	-
<b>Permanent crops</b>				132	2	40	*	93	2
Avocado				-	-	-	-	-	-
Bananas				*	*	-	-	-	-
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	-	-	-	-
Oranges				-	-	-	-	-	-
Papayas				-	-	-	-	-	-
Pineapples				-	-	-	-	-	-
Chat				-	-	-	-	*	*
Coffee	-	-	-	43	*	40	*	93	1
Hops / 'Gesho'				-	-	-	-	-	-
Enset				*	*	-	-	-	-
Sugar cane				-	-	-	-	-	-
Other permanent				-	-	-	-	-	-

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
<b>All</b>	104,257	77,604	55,779	124,116	18,686	104,165	47,193	43,731
<b>Cereals</b>	81,746	58,658	41,700	65,615	7,464	98,505	41,244	33,620
Teff	15,060	11,677	5,273	1,253	*	34,925	9,189	4,270
Barley	4,934	3,767	3,957	13,708	382	29,975	2,773	3,449
Wheat	17,314	15,980	14,768	3,690	438	56,758	12,886	12,600
Maize	29,606	21,667	11,892	51,112	5,214	49,896	12,981	8,869
Sorghum	12,817	4,474	5,371	26,218	1,213	29,221	2,585	4,054
Finger millet	1,997	1,093	439	1,767	*	8,890	831	378
Oats / 'Aja'	*	-	-	-	-	-	-	-
Rice	*	*	-	*	*	-	-	-
<b>Pulses</b>	7,343	4,788	4,985	52,432	1,768	39,683	2,711	4,050
Horse / Faba beans	2,080	1,537	915	34,744	753	21,730	702	715
Field Peas	1,553	1,278	1,689	3,449	106	17,224	1,058	1,333
Haricot beans	2,210	1,306	*	14,867	307	12,532	*	*
Chick peas	566	210	*	3,585	181	*	*	*
Lentils	*	*	*	*	*	*	*	*
Vetch / Grass peas	*	*	*	*	*	*	*	*
Soya beans	*	*	-	*	*	-	-	-
Fenugreek	18	9	*	892	*	*	*	*
Gibto	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	330	158	180	4,913	66	4,604	80	168
Neug	*	*	-	*	*	-	-	-
Linseed	195	*	*	2,187	16	1,885	*	*
Groundnuts	*	*	*	*	*	*	*	*
Safflower	-	-	-	-	-	-	-	-
Sesame	*	*	-	*	*	-	-	-
Rapeseed	132	93	*	1,597	47	*	*	132
<b>Vegetables</b>	6,343	6,020	7,847	104,713	1,727	21,449	2,918	5,102
Lettuce	*	*	-	*	*	-	-	-
Head cabbage	23	23	*	7,803	23	*	*	*
Ethiopian cabbage	1,824	1,656	77	104,345	1,617	2,584	35	71
Tomatoes	16	16	-	2,890	16	-	-	-
Green peppers	*	11	-	2,543	11	-	-	-
Red peppers	4,463	4,313	7,770	3,551	59	20,107	2,882	5,031
Swiss chard	*	*	-	*	*	-	-	-
<b>Root crops</b>	414	357	*	34,017	206	6,106	127	*
Beetroot	9	7	-	7,320	7	-	-	-
Carrot	2	2	*	2,791	2	*	*	*
Onion	*	80	*	8,084	27	*	*	*
Potatoes	267	248	*	19,189	153	*	*	*
Garlic	*	*	*	2,798	5	*	*	*
Taro 'Godere'	*	*	-	*	*	-	-	-
Sweet potatoes	14	11	-	2,955	11	-	-	-
<b>Other Temporary</b>	526	456	530	33,579	347	*	*	*
<b>Permanent crops</b>	7,556	7,168		103,604	7,107			
Avocado	36	29		15,398	29			
Bananas	92	77		26,749	77			
Guava	10	8		3,115	8			
Lemons	5	5		4,028	5			
Mangoes	9	8		5,090	8			
Oranges	*	*		10,921	*			
Papayas	58	54		17,596	54			
Pineapples	-	-		-	-			
Chat	2,434	2,204		73,906	2,177			
Coffee	371	338		45,128	336			
Hops / 'Geshe'	*	*		*	*			
Enset	4,330	4,271		68,728	4,238			
Sugar cane	87	74		13,993	74			
Other permanent	88	67		24,120	67			

(Table 1.7.20 cont'd.)

**Silitie**

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
<b>All</b>	5,460	813	588	25,387	10,913	11,460	142,959	98,181	67,019
<b>Cereals</b>	3,761	714	*	21,464	9,235	7,654	135,570	75,735	60,800
Teff	1,411	246	54	7,445	2,153	948	55,441	15,060	4,460
Barley	*	*	*	4,378	*	435	58,286	4,934	8,877
Wheat	-	-	-	8,578	*	2,168	73,677	16,292	32,400
Maize	1,618	322	*	13,042	3,150	2,869	103,557	24,617	12,070
Sorghum	*	*	*	7,799	600	1,173	88,161	12,817	2,463
Finger millet	-	-	-	*	*	*	20,474	1,997	526
Oats / 'Aja'	-	-	-	-	-	-	*	*	*
Rice	-	-	-	-	-	-	*	*	-
<b>Pulses</b>	1,240	*	28	5,116	264	907	103,768	7,301	6,162
Horse / Faba beans	*	*	*	2,247	81	*	66,402	2,080	2,026
Field Peas	*	*	*	2,513	98	335	27,580	1,511	1,778
Haricot beans	*	*	*	1,456	*	*	40,679	2,210	1,377
Chick peas	-	-	-	*	*	*	9,402	566	309
Lentils	-	-	-	-	-	-	1,821	*	35
Vetch / Grass peas	-	-	-	-	-	-	*	*	*
Soya beans	-	-	-	-	-	-	*	*	*
Fenugreek	-	-	-	-	-	-	2,175	18	3
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	*	*	*	15,067	330	56
Neug	-	-	-	-	-	-	*	*	*
Linseed	-	-	-	*	*	*	9,215	195	42
Groundnuts	-	-	-	-	-	-	*	*	*
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	*	*	*
Rapeseed	-	-	-	*	*	*	5,621	132	13
<b>Vegetables</b>	1,285	*	*	10,257	1,341	2,697	118,245	6,340	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	-	-	-	-	-	-	7,840	20	-
Ethiopian cabbage	*	*	*	-	-	-	112,671	1,824	-
Tomatoes	-	-	-	-	-	-	2,890	16	-
Green peppers	-	-	-	-	-	-	3,277	*	-
Red peppers	*	*	*	10,257	1,341	2,697	35,311	4,463	-
Swiss chard	-	-	-	-	-	-	*	*	-
<b>Root crops</b>	*	*	*	*	*	*	42,221	412	-
Beetroot	-	-	-	-	-	-	8,207	8	-
Carrot	-	-	-	-	-	-	4,069	2	-
Onion	*	*	*	*	*	*	11,820	*	-
Potatoes	*	*	*	*	*	*	24,559	267	-
Garlic	-	-	-	-	-	-	3,466	*	-
Taro 'Godere'	-	-	-	-	-	-	*	*	-
Sweet potatoes	-	-	-	-	-	-	3,672	14	-
<b>Other Temporary</b>	*	*	*	*	*	*	42,226	526	-
<b>Permanent crops</b>							109,894	7,538	
Avocado							16,892	36	
Bananas							29,975	92	
Guava							4,011	10	
Lemons							4,244	5	
Mangoes							5,492	9	
Oranges							11,735	*	
Papayas							17,478	54	
Pineapples							-	-	
Chat							81,125	2,434	
Coffee							45,679	358	
Hops / 'Geshe'							*	*	
Enset							71,425	4,330	
Sugar cane							16,466	87	
Other permanent							30,293	88	

(Table 1.7.20 Cont'd.)

**Silitie**

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
<b>All</b>	28,498	6,076	3,641	86,055	29,921	2,061	*	22,034	6,177
<b>Cereals</b>	24,844	6,012	3,561	83,916	29,073	*	*	20,958	5,803
Teff	-	-	-	45,579	12,438	-	-	-	-
Barley	-	-	-	18,336	1,625	-	-	*	*
Wheat	3,010	1,022	1,923	55,249	13,717	-	-	1,759	*
Maize	22,480	4,989	1,638	770	*	*	*	20,095	4,810
Sorghum	-	-	-	857	*	*	*	5,202	331
Finger millet	-	-	-	10,374	*	-	-	-	-
Oats / 'Aja'	-	-	-	*	*	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	*	*	*	2,578	141	*	*	3,564	230
Horse / Faba beans	-	-	-	1,641	64	-	-	*	*
Field Peas	*	*	*	*	*	-	-	1,969	*
Haricot beans	-	-	-	*	*	*	*	*	*
Chick peas	-	-	-	*	*	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	*	*	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	*	*	-	-
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	*	*	-	-	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	*	*	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	*	*
<b>Vegetables</b>	*	*	-	5,173	*	1,021	*	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	-	-	*	*	*	*
Ethiopian cabbage	*	*	-	*	*	*	*	*	*
Tomatoes	-	-	-	-	-	*	*	-	-
Green peppers	-	-	-	-	-	-	-	-	-
Red peppers	-	-	-	*	*	-	-	*	*
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	*	*	-	*	*	*	*	-	-
Beetroot	*	*	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	*	*	-	-	-	-	-	-	-
Potatoes	-	-	-	*	*	*	*	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	*	*	-	-
<b>Other Temporary</b>	-	-	-	*	*	-	-	1,742	*
<b>Permanent crops</b>				6,108	249	1,677	*	2,720	*
Avocado				-	-	*	*	*	*
Bananas				-	-	*	*	-	-
Guava				-	-	*	*	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	*	*	*	*
Oranges				*	*	*	*	*	*
Papayas				-	-	-	-	-	-
Pineapples				-	-	-	-	-	-
Chat				5,281	232	*	*	*	*
Coffee	2,506	*	-	*	*	*	*	*	*
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
<b>All</b>	32,896	16,567	10,101	26,034	4,001	20,493	10,767	8,643
<b>Cereals</b>	26,966	12,595	6,648	19,547	2,428	18,534	8,649	5,717
Teff	6,428	5,284	2,113	*	*	14,038	4,377	1,839
Barley	167	*	*	*	*	*	*	*
Wheat	2,460	1,728	1,943	*	*	5,650	1,305	1,480
Maize	12,895	4,397	1,656	18,848	2,060	7,219	2,142	1,580
Sorghum	3,384	591	641	5,834	187	4,495	379	576
Finger millet	1,631	522	260	*	*	5,078	397	221
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
<b>Pulses</b>	1,847	607	*	4,697	129	3,364	471	*
Horse / Faba beans	*	*	*	*	*	*	*	*
Field Peas	*	-	-	-	-	-	-	-
Haricot beans	1,719	546	*	3,865	120	2,714	423	*
Chick peas	-	-	-	-	-	-	-	-
Lentils	66	*	*	*	*	334	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	*	*	-	*	*	-	-	-
Fenugreek	32	16	*	443	*	479	*	*
Gibto	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	49	*	*	*	*	*	*	*
Neug	*	-	-	-	-	-	-	-
Linseed	23	*	*	*	*	*	*	*
Groundnuts	-	-	-	-	-	-	-	-
Safflower	*	-	-	-	-	-	-	-
Sesame	*	*	*	-	-	-	-	-
Rapeseed	*	*	*	*	*	*	*	*
<b>Vegetables</b>	2,152	1,806	2,012	21,291	479	7,822	1,089	1,559
Lettuce	-	-	-	*	-	-	-	-
Head cabbage	13	11	-	2,045	11	-	-	-
Ethiopian cabbage	539	429	62	21,130	405	1,046	21	55
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	9	8	-	2,654	8	-	-	-
Red peppers	1,590	1,358	1,950	1,623	54	7,280	1,068	1,504
Swiss chard	-	-	-	-	-	-	-	-
<b>Root crops</b>	684	*	*	8,594	138	2,292	*	*
Beetroot	1	1	-	847	1	-	-	-
Carrot	*	*	-	458	*	-	-	-
Onion	*	2	*	1,151	2	*	*	*
Potatoes	643	*	*	6,608	102	2,202	*	*
Garlic	*	-	-	-	-	-	-	-
Taro 'Godere'	*	*	-	*	*	-	-	-
Sweet potatoes	*	*	*	1,455	*	*	*	*
<b>Other Temporary</b>	204	151	*	8,314	130	888	21	*
<b>Permanent crops</b>	994	762		18,755	688			
Avocado	4	3		2,145	3			
Bananas	16	13		3,020	13			
Guava	*	*		1,552	*			
Lemons	*	*		*	*			
Mangoes	*	*		488	*			
Oranges	*	*		*	*			
Papayas	9	7		4,044	7			
Pineapples	-	-		-	-			
Chat	850	645		16,255	571			
Coffee	64	50		5,391	50			
Hops / 'Geshe'	-	-		-	-			
Enset	23	22		5,786	22			
Sugar cane	15	11		2,042	11			
Other permanent	6	*		1,472	*			

(Table 1.7.21 cont'd.)

**Alaba Special Wereda**

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
<b>All</b>	*	*	*	5,243	1,709	1,434	35,399	32,642	15,695
<b>Cereals</b>	*	*	*	4,399	1,430	908	34,935	26,712	14,702
Teff	*	*	*	2,956	743	251	20,805	6,428	1,852
Barley	-	-	-	*	*	*	2,209	167	274
Wheat	-	-	-	1,919	411	463	10,766	2,306	4,891
Maize	-	-	-	623	195	75	34,014	12,795	6,243
Sorghum	-	-	-	492	*	*	27,493	3,384	974
Finger millet	-	-	-	333	*	*	18,679	1,631	467
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	-	-	-	*	*	*	18,541	1,847	986
Horse / Faba beans	-	-	-	*	*	*	*	*	*
Field Peas	-	-	-	-	-	-	*	*	*
Haricot beans	-	-	-	*	*	*	17,363	1,719	940
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	*	*	*	1,344	66	13
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	*	*	*
Fenugreek	-	-	-	-	-	-	1,473	32	8
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	*	*	*	*	*	*	3,287	49	7
Neug	-	-	-	-	-	-	*	*	*
Linseed	*	*	*	-	-	-	1,934	23	5
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	*	*	*
Sesame	-	-	-	*	*	*	*	*	*
Rapeseed	-	-	-	-	-	-	1,030	*	*
<b>Vegetables</b>	-	-	-	1,588	238	453	27,634	2,152	-
Lettuce	-	-	-	-	-	-	*	-	-
Head cabbage	-	-	-	-	-	-	2,511	13	-
Ethiopian cabbage	-	-	-	*	*	*	25,110	539	-
Tomatoes	-	-	-	-	-	-	*	*	*
Green peppers	-	-	-	-	-	-	2,999	9	-
Red peppers	-	-	-	1,452	235	446	12,271	1,590	-
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	-	-	-	*	*	*	12,510	684	-
Beetroot	-	-	-	-	-	-	1,122	1	-
Carrot	-	-	-	-	-	-	743	*	-
Onion	-	-	-	-	-	-	1,766	*	-
Potatoes	-	-	-	*	*	*	9,870	643	-
Garlic	-	-	-	-	-	-	*	*	-
Taro 'Godere'	-	-	-	-	-	-	*	*	-
Sweet potatoes	-	-	-	-	-	-	2,000	*	-
<b>Other Temporary</b>	-	-	-	-	-	-	11,082	204	-
<b>Permanent crops</b>	-	-	-	-	-	-	22,108	993	-
Avocado	-	-	-	-	-	-	2,405	4	-
Bananas	-	-	-	-	-	-	3,856	16	-
Guava	-	-	-	-	-	-	2,079	*	-
Lemons	-	-	-	-	-	-	*	*	-
Mangoes	-	-	-	-	-	-	573	*	-
Oranges	-	-	-	-	-	-	*	*	-
Papayas	-	-	-	-	-	-	4,122	9	-
Pineapples	-	-	-	-	-	-	-	-	-
Chat	-	-	-	-	-	-	20,692	850	-
Coffee	-	-	-	-	-	-	6,297	63	-
Hops / 'Gesho'	-	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	5,840	23	-
Sugar cane	-	-	-	-	-	-	2,459	15	-
Other permanent	-	-	-	-	-	-	1,733	6	-

(Table 1.7.21 Cont'd.)

## Alaba Special Wereda

	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
Crop type	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
<b>All</b>	1,592	*	*	19,151	7,318	520	*	*	*
<b>Cereals</b>	*	*	*	18,828	6,834	*	*	*	*
Teff	-	-	-	16,162	4,927	-	-	*	*
Barley	-	-	-	905	*	-	-	*	*
Wheat	*	*	*	7,360	1,712	-	-	*	*
Maize	*	*	*	*	*	*	*	*	*
Sorghum	-	-	-	-	-	-	-	*	*
Finger millet	-	-	-	*	*	-	-	*	*
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	-	-	-	*	*	-	-	-	-
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	*	*	-	-	-	-
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	*	*	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	*	*	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
<b>Vegetables</b>	-	-	-	500	129	*	*	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	*	*	-	-
Ethiopian cabbage	-	-	-	*	*	*	*	-	-
Tomatoes	-	-	-	-	-	*	*	-	-
Green peppers	-	-	-	-	-	*	*	-	-
Red peppers	-	-	-	419	128	-	-	*	*
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	-	-	-	*	*	*	*	-	-
Beetroot	-	-	-	-	-	*	*	-	-
Carrot	-	-	-	-	-	*	*	-	-
Onion	-	-	-	-	-	*	*	-	-
Potatoes	-	-	-	*	*	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
<b>Other Temporary</b>	-	-	-	-	-	*	*	-	-
<b>Permanent crops</b>				*	*	*	*	*	*
Avocado				-	-	-	-	-	-
Bananas				-	-	-	-	-	-
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	-	-	-	-
Oranges				-	-	-	-	-	-
Papayas				-	-	-	-	-	-
Pineapples				-	-	-	-	-	-
Chat				*	*	*	*	-	-
Coffee	*	*	-	-	-	-	-	-	-
Hops / 'Gesho'				-	-	-	-	-	-
Enset				-	-	-	-	-	-
Sugar cane				-	-	-	-	-	-
Other permanent				-	-	-	-	-	-

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
<b>All</b>	12,682	8,264	14,686	10,917	2,774	1,268	*	*
<b>Cereals</b>	6,994	4,769	8,497	8,144	1,524	1,268	*	422
Teff	*	*	*	*	*	-	-	-
Barley	*	*	*	*	*	*	*	*
Wheat	65	64	95	-	-	*	*	*
Maize	1,366	1,159	3,598	5,742	322	587	*	*
Sorghum	5,473	3,467	4,729	6,236	1,192	862	222	216
Finger millet	-	-	-	-	-	-	-	-
Oats / 'Aja'	*	*	*	-	-	*	*	*
Rice	-	-	-	-	-	-	-	-
<b>Pulses</b>	45	36	157	396	*	287	*	*
Horse / Faba beans	*	*	*	-	-	-	-	-
Field Peas	*	*	*	*	*	-	-	-
Haricot beans	*	*	*	*	*	*	*	*
Chick peas	*	*	*	-	-	*	*	*
Lentils	*	*	*	*	*	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	*	*	*	*	*	*	*	*
Gibto	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	2,389	1,213	900	3,950	695	*	*	*
Neug	*	*	*	-	-	-	-	-
Linseed	*	*	-	*	*	-	-	-
Groundnuts	2,240	1,154	865	3,645	649	*	*	*
Safflower	-	-	-	-	-	-	-	-
Sesame	145	58	*	1,004	44	*	*	*
Rapeseed	-	-	-	-	-	-	-	-
<b>Vegetables</b>	*	*	-	*	*	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	*	*	-	*	*	-	-	-
Red peppers	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
<b>Root crops</b>	233	121	244	1,006	21	*	*	*
Beetroot	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	-	-
Potatoes	*	*	*	-	-	*	*	*
Garlic	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	159	50	137	1,006	21	*	*	*
<b>Other Temporary</b>	26	20	*	1,921	19	-	-	-
<b>Permanent crops</b>	2,987	2,104		8,596	509			
Avocado	*	*		*	*			
Bananas	7	*		1,187	*			
Guava	36	13		1,191	*			
Lemons	4	*		253	*			
Mangoes	133	46		2,097	39			
Oranges	*	*		*	*			
Papayas	11	6		1,524	4			
Pineapples	-	-		-	-			
Chat	2,675	1,996		5,141	430			
Coffee	29	25		618	10			
Hops / 'Gescho'	*	*		*	*			
Enset	*	*		*	*			
Sugar cane	*	*		-	-			
Other permanent	32	7		1,929	7			



(Table 1.8 cont'd.)

**Harari Region**

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
<b>All</b>	6,858	3,256	7,575	2,457	1,605	6,216	16,699	12,634	4,749
<b>Cereals</b>	6,678	1,818	4,189	2,417	1,039	3,885	16,591	6,948	3,081
Teff	-	-	-	*	*	*	*	*	-
Barley	*	*	*	*	*	*	852	*	*
Wheat	*	*	*	*	*	*	827	65	*
Maize	4,924	458	1,739	2,159	297	1,712	13,448	1,328	774
Sorghum	5,869	1,332	2,425	2,278	721	2,088	15,750	5,466	2,159
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	*	*	*	*	*	*
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	366	*	*	*	*	*	1,432	45	14
Horse / Faba beans	*	*	*	-	-	-	*	*	*
Field Peas	*	*	*	-	-	-	137	*	*
Haricot beans	222	*	*	*	*	*	951	*	9
Chick peas	*	*	*	-	-	-	152	*	*
Lentils	*	*	*	-	-	-	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	*	*	*	*	*	*
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	2,588	420	662	421	55	211	9,624	2,389	1,654
Neug	-	-	-	*	*	*	*	*	*
Linseed	-	-	-	-	-	-	*	*	*
Groundnuts	2,555	407	633	421	54	205	9,362	2,240	1,624
Safflower	-	-	-	-	-	-	-	-	-
Sesame	249	12	*	*	*	*	2,284	145	27
Rapeseed	-	-	-	-	-	-	-	-	-
<b>Vegetables</b>	-	-	-	-	-	-	415	*	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	-	-	-	-	-	-	378	*	-
Green peppers	-	-	-	-	-	-	*	*	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	598	23	96	*	*	*	4,244	233	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	-	-	-
Potatoes	*	*	*	*	*	*	*	*	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	538	21	92	*	*	*	3,690	159	-
<b>Other Temporary</b>	*	*	*	*	*	*	2,318	26	-
<b>Permanent crops</b>							15,544	2,986	
Avocado							*	*	
Bananas							1,787	7	
Guava							4,464	36	
Lemons							1,005	4	
Mangoes							7,277	133	
Oranges							245	*	
Papayas							3,110	10	
Pineapples							-	-	
Chat							13,793	2,675	
Coffee							1,488	29	
Hops / 'Geshe'							*	*	
Enset							*	*	
Sugar cane							*	*	
Other permanent							5,611	32	

(Table 1.8 Cont'd.)

**Harari Region**

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
<b>All</b>	735	47	35	2,204	*	3,080	532	3,262	1,220
<b>Cereals</b>	487	46	35	762	*	1,710	249	2,929	760
Teff	-	-	-	*	*	-	-	-	-
Barley	-	-	-	-	-	-	-	*	*
Wheat	-	-	-	-	-	-	-	*	*
Maize	450	39	32	*	*	1,445	115	2,530	273
Sorghum	*	*	*	700	155	970	135	2,437	475
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	-	-	-	-	-	*	*	251	*
Horse / Faba beans	-	-	-	-	-	-	-	*	*
Field Peas	-	-	-	-	-	*	*	-	-
Haricot beans	-	-	-	-	-	-	-	*	*
Chick peas	-	-	-	-	-	-	-	*	*
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	*	*	*	*	*	*	*	233	*
Neug	-	-	-	*	*	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	*	*	*	*	*	*	*	233	*
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	*	*
Rapeseed	-	-	-	-	-	-	-	-	-
<b>Vegetables</b>	-	-	-	-	-	*	*	-	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	-	-	-	-	-	*	*	-	-
Green peppers	-	-	-	-	-	-	-	-	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	-	-	-	-	-	934	45	*	*
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	*	*	*	*
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	904	45	*	*
<b>Other Temporary</b>	-	-	-	*	*	*	*	*	*
<b>Permanent crops</b>				1,994	*	2,660	225	2,839	357
Avocado				-	-	-	-	-	-
Bananas				-	-	215	*	*	*
Guava				*	*	*	*	-	-
Lemons				-	-	*	*	-	-
Mangoes				*	*	*	*	-	-
Oranges				-	-	*	*	-	-
Papayas				*	*	263	*	*	*
Pineapples				-	-	-	-	-	-
Chat				1,794	*	1,515	176	2,772	350
Coffee	*	*	-	-	-	142	*	*	2
Hops / 'Geshe'				-	-	-	-	-	-
Enset				*	-	-	-	-	-
Sugar cane				-	-	*	*	-	-
Other permanent				*	*	218	*	*	*

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

**Addis Abeba**

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
<b>All</b>	10,773	8,124	19,742	1,743	56	286	162	172
<b>Cereals</b>	7,926	7,810	19,581	247	13	138	90	154
Teff	3,974	3,936	10,195	*	*	*	*	*
Barley	103	70	101	*	*	73	24	39
Wheat	3,794	3,780	9,252	*	*	90	54	85
Maize	26	*	*	198	2	-	-	-
Sorghum	*	*	*	-	-	-	-	-
Finger millet	-	-	-	-	-	-	-	-
Oats / 'Aja'	*	*	*	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
<b>Pulses</b>	2,763	280	111	392	34	117	*	*
Horse / Faba beans	217	37	*	322	29	-	-	-
Field Peas	87	*	*	72	3	-	-	-
Haricot beans	*	*	*	*	*	-	-	-
Chick peas	1,133	131	58	-	-	*	*	*
Lentils	472	63	17	*	*	61	20	*
Vetch / Grass peas	771	23	*	*	*	44	*	*
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	83	*	*	-	-	*	*	*
Gibto	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	14	*	*	84	*	-	-	-
Neug	*	-	-	-	-	-	-	-
Linseed	12	*	*	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-
Safflower	*	*	*	*	*	-	-	-
Sesame	-	-	-	-	-	-	-	-
Rapeseed	1	*	-	56	*	-	-	-
<b>Vegetables</b>	17	6	13	658	3	*	*	*
Lettuce	*	*	*	*	*	-	-	-
Head cabbage	*	*	-	*	*	-	-	-
Ethiopian cabbage	10	5	10	585	2	*	*	*
Tomatoes	-	-	-	-	-	-	-	-
Green peppers	*	*	*	116	*	-	-	-
Red peppers	*	*	-	*	*	-	-	-
Swiss chard	*	*	*	92	*	-	-	-
<b>Root crops</b>	38	20	26	785	3	*	*	*
Beetroot	*	*	*	*	*	-	-	-
Carrot	20	15	22	*	*	*	*	*
Onion	*	*	*	*	*	-	-	-
Potatoes	*	-	-	-	-	-	-	-
Garlic	6	3	1	785	3	*	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-
<b>Other Temporary</b>	4	1	*	269	1	-	-	-
<b>Permanent crops</b>	11	2		386	2			
Avocado	*	*		*	*			
Bananas	*	*		*	*			
Guava	*	*		*	*			
Lemons	-	-		-	-			
Mangoes	-	-		-	-			
Oranges	-	-		-	-			
Papayas	*	-		-	-			
Pineapples	-	-		-	-			
Chat	*	*		*	*			
Coffee	-	-		-	-			
Hops / 'Geshe'	10	2		268	2			
Enset	*	*		*	*			
Sugar cane	*	*		*	*			
Other permanent	*	*		*	*			

(Table 1.9 cont'd.)

## Addis Abeba

[illegible]

(Table 1.9 Cont'd.)

**Addis Abeba**

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
<b>All</b>	128	*	143	1,323	1,386	216	*	*	*
<b>Cereals</b>	108	*	143	1,239	1,367	*	*	*	*
Teff	*	*	*	1,110	979	-	-	*	*
Barley	-	-	-	98	28	-	-	-	-
Wheat	108	*	134	609	353	-	-	*	*
Maize	-	-	-	*	*	*	*	-	-
Sorghum	-	-	-	-	-	-	-	-	-
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	-	-	-	*	*	*	*	-	-
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	-	-	-	-
Chick peas	-	-	-	*	*	-	-	-	-
Lentils	-	-	-	*	*	-	-	-	-
Vetch / Grass peas	-	-	-	*	*	*	*	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
<b>Vegetables</b>	-	-	-	*	*	100	*	-	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	*	*	-	-
Ethiopian cabbage	-	-	-	*	*	31	*	-	-
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	*	*	-	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	*	*	-	-
<b>Root crops</b>	-	-	-	*	*	61	*	-	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	*	*	-	-	-	-
Onion	-	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	*	*	-	-
Garlic	-	-	-	*	*	45	*	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
<b>Other Temporary</b>	-	-	-	*	*	*	*	-	-
<b>Permanent crops</b>	-	-	-	-	-	45	*	-	-
Avocado	-	-	-	-	-	-	-	-	-
Bananas	-	-	-	-	-	*	*	-	-
Guava	-	-	-	-	-	-	-	-	-
Lemons	-	-	-	-	-	-	-	-	-
Mangoes	-	-	-	-	-	-	-	-	-
Oranges	-	-	-	-	-	-	-	-	-
Papayas	-	-	-	-	-	-	-	-	-
Pineapples	-	-	-	-	-	-	-	-	-
Chat	-	-	-	-	-	-	-	-	-
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
<b>All</b>	10,134	2,913	456	8,267	2,567	*	*	*
<b>Cereals</b>	7,937	2,039	*	7,195	1,877	*	*	*
Teff	*	*	-	*	*	-	-	-
Barley	*	*	*	*	*	-	-	-
Wheat	*	*	*	-	-	*	*	*
Maize	335	109	*	2,592	100	*	*	-
Sorghum	7,553	1,922	*	6,633	1,771	*	*	*
Finger millet	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
<b>Pulses</b>	433	171	*	2,860	146	*	*	*
Horse / Faba beans	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-
Haricot beans	427	168	*	2,781	145	*	*	*
Chick peas	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	*	*	*	*	*	*	*	*
Gibto	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	181	42	*	688	20	-	-	-
Neug	-	-	-	-	-	-	-	-
Linseed	*	-	-	-	-	-	-	-
Groundnuts	*	*	*	*	*	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	93	19	-	597	19	-	-	-
Rapeseed	*	-	-	-	-	-	-	-
<b>Vegetables</b>	37	24	*	1,211	23	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-
Ethiopian cabbage	*	*	-	*	*	-	-	-
Tomatoes	31	22	-	981	22	-	-	-
Green peppers	2	*	-	290	*	-	-	-
Red peppers	*	*	*	*	*	-	-	-
Swiss chard	*	-	-	-	-	-	-	-
<b>Root crops</b>	352	171	*	2,355	98	*	*	*
Beetroot	-	-	-	-	-	-	-	-
Carrot	*	*	-	*	*	-	-	-
Onion	*	*	*	674	*	*	*	*
Potatoes	*	*	*	*	*	*	*	*
Garlic	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	156	48	*	1,640	41	-	-	-
<b>Other Temporary</b>	*	*	-	*	*	-	-	-
<b>Permanent crops</b>	1,191	465		5,471	402			
Avocado	*	-		-	-			
Bananas	2	*		264	*			
Guava	7	2		499	2			
Lemons	*	*		*	*			
Mangoes	16	*		402	*			
Oranges	*	*		193	*			
Papayas	52	*		1,678	*			
Pineapples	-	-		-	-			
Chat	923	369		3,567	308			
Coffee	102	46		1,294	45			
Hops / 'Geshe'	*	*		*	*			
Enset	-	-		-	-			
Sugar cane	-	-		-	-			
Other permanent	84	7		656	*			

(Table 1.10 cont'd.)

**Dire Dawa**

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
<b>All</b>	991	*	*	*	*	*	16,622	9,876	1,686
<b>Cereals</b>	753	*	*	*	*	*	16,316	7,706	1,598
Teff	-	-	-	-	-	-	*	*	-
Barley	*	*	*	-	-	-	681	*	*
Wheat	-	-	-	-	-	-	*	*	*
Maize	*	*	*	*	*	*	6,252	300	114
Sorghum	713	*	*	-	-	-	16,230	7,359	1,467
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	475	*	*	*	*	*	6,879	432	61
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	475	*	*	-	-	-	6,724	425	58
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	*	*	*	*	*	*
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	*	*	*	-	-	-	3,105	176	27
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	*	*	*
Groundnuts	*	*	*	-	-	-	1,327	*	*
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	2,036	88	3
Rapeseed	-	-	-	-	-	-	*	*	*
<b>Vegetables</b>	*	*	*	-	-	-	1,812	35	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	*	*	-
Tomatoes	-	-	-	-	-	-	1,509	30	-
Green peppers	-	-	-	-	-	-	395	2	-
Red peppers	*	*	*	-	-	-	*	*	-
Swiss chard	-	-	-	-	-	-	*	*	-
<b>Root crops</b>	544	*	*	*	*	*	5,756	352	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	*	*	*	*	*	*	1,664	*	-
Potatoes	*	*	*	*	*	*	*	*	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	*	-	-	-	4,497	156	-
<b>Other Temporary</b>	-	-	-	-	-	-	447	*	-
<b>Permanent crops</b>							12,855	1,172	
Avocado							*	*	
Bananas							491	2	
Guava							1,453	7	
Lemons							462	*	
Mangoes							1,376	15	
Oranges							234	*	
Papayas							3,330	49	
Pineapples							-	-	
Chat							10,436	923	
Coffee							3,182	88	
Hops / 'Geshe'							*	*	
Enset							-	-	
Sugar cane							-	-	
Other permanent							3,585	82	

(Table 1.10 Cont'd.)

**Dire Dawa**

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
<b>All</b>	2,166	258	23	337	*	6,492	996	*	*
<b>Cereals</b>	1,566	*	21	*	*	5,345	543	*	*
Teff	-	-	-	-	-	-	-	-	-
Barley	*	*	*	-	-	*	*	-	-
Wheat	-	-	-	-	-	-	-	-	-
Maize	793	*	*	*	*	2,663	100	*	*
Sorghum	1,197	*	12	*	*	4,249	442	*	*
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	*	*	*	*	*	540	5	*	*
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	*	*	*	*	*	502	5	*	*
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	*	*	*	*	-	-
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	*	*	*	-	-	*	*	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	*	*	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	*	*	*	-	-	*	*	-	-
Rapeseed	-	-	-	-	-	*	*	-	-
<b>Vegetables</b>	*	*	-	*	*	941	23	-	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	*	*	-	-
Tomatoes	*	*	-	*	*	828	21	-	-
Green peppers	-	-	-	-	-	281	*	-	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	*	*	-	-
<b>Root crops</b>	-	-	-	*	*	1,330	43	*	*
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	*	*	-	-
Onion	-	-	-	-	-	304	*	-	-
Potatoes	-	-	-	*	*	*	*	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	1,070	23	*	*
<b>Other Temporary</b>	-	-	-	-	-	*	*	-	-
<b>Permanent crops</b>				*	*	5,946	372	-	-
Avocado				-	-	-	-	-	-
Bananas				-	-	451	2	-	-
Guava				-	-	977	4	-	-
Lemons				-	-	*	*	-	-
Mangoes				-	-	556	*	-	-
Oranges				-	-	*	*	-	-
Papayas				-	-	2,294	26	-	-
Pineapples				-	-	-	-	-	-
Chat				*	*	3,509	223	-	-
Coffee	*	*	-	-	-	2,785	68	-	-
Hops / 'Geshe'				-	-	-	-	-	-
Enset				-	-	-	-	-	-
Sugar cane				-	-	-	-	-	-
Other permanent				-	-	1,806	*	-	-



Table 2.Number of Holders Applying Inputs by Educational Status

<b>Ethiopia</b>					
Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	7,929,468	2,945,837	673,472	1,616,619	528,856
Literate (informal)	956,989	462,321	146,288	251,217	114,490
Grades 1 – 3	1,200,804	541,129	153,810	332,584	76,788
Grades 4 – 6	1,258,307	607,218	165,042	363,181	79,894
Grades 7 – 8	419,342	225,685	70,009	131,312	26,376
Grades 9 – 11	103,093	64,053	18,450	39,741	4,752
Grade 12 complete	44,170	27,723	9,904	18,654	*
Above grade 12	11,786	6,551	2,841	5,326	*
Total	11,923,959	4,880,518	1,239,816	2,758,634	833,360

**Fig.3 Number of Holders Applying Inputs by Educational status**

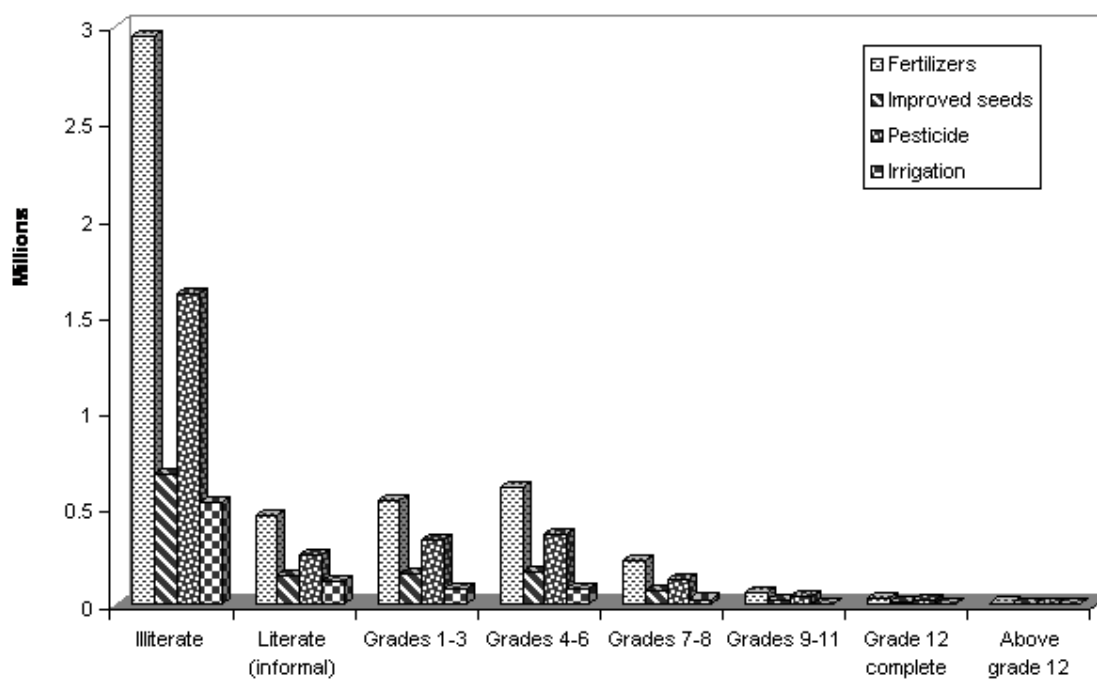


Table 2.1 Number of Holders Applying Inputs by Educational Status

<b>Tigray Region</b>					
Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	478,143	159,642	30,723	54,405	90,510
Literate (informal)	113,108	56,672	8,415	17,084	28,532
Grades 1 – 3	77,451	34,546	4,400	11,936	17,118
Grades 4 – 6	51,691	25,752	5,810	10,278	11,567
Grades 7 – 8	13,880	6,321	1,925	3,202	2,346
Grades 9 – 11	1,912	*	*	*	-
Grade 12 complete	*	-	-	-	-
Above grade 12	*	-	-	-	-
Total	736,231	283,873	51,533	97,145	150,073

Table 2.1.1 Number of Holders Applying Inputs by Educational Status

<b>North West Tigray</b>					
Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	81,570	36,414	3,748	12,621	3,910
Literate (informal)	22,886	17,577	2,375	3,311	2,998
Grades 1 – 3	17,164	11,843	*	3,437	*
Grades 4 – 6	7,978	4,840	*	2,110	*
Grades 7 – 8	1,887	*	*	*	*
Grades 9 – 11	*	*	-	-	-
Grade 12 complete	-	-	-	-	-
Above grade 12	-	-	-	-	-
Total	132,147	72,347	7,504	22,124	8,761

Table 2.1.2 Number of Holders Applying Inputs by Educational Status

<b>Central Tigray</b>					
Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	129,855	56,355	6,514	26,150	21,025
Literate (informal)	35,393	19,241	2,212	9,156	9,224
Grades 1 – 3	26,204	13,368	1,622	4,933	6,830
Grades 4 – 6	18,171	10,380	2,022	5,622	3,960
Grades 7 – 8	4,133	2,509	*	1,554	*
Grades 9 – 11	*	*	-	-	-
Grade 12 complete	-	-	-	-	-
Above grade 12	-	-	-	-	-
Total	214,332	102,128	12,808	47,414	41,642

Table 2.1.3 Number of Holders Applying Inputs by Educational Status

<b>East Tigray</b>					
Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	81,362	30,313	9,100	3,481	24,769
Literate (informal)	14,333	9,109	2,008	816	5,751
Grades 1 – 3	8,420	3,804	*	1,227	2,874
Grades 4 – 6	10,692	6,185	2,270	816	4,556
Grades 7 – 8	2,759	1,757	*	*	*
Grades 9 – 11	-	-	-	-	-
Grade 12 complete	-	-	-	-	-
Above grade 12	-	-	-	-	-
Total	117,566	51,168	14,674	6,759	38,320

Table 2.1.4 Number of Holders Applying Inputs by Educational Status

<b>South Tigray</b>					
Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	143,963	32,655	9,884	10,028	38,947
Literate (informal)	28,338	9,488	1,682	2,695	10,157
Grades 1 – 3	16,036	4,664	*	1,511	5,865
Grades 4 – 6	10,197	3,841	1,177	*	2,419
Grades 7 – 8	3,160	*	*	*	*
Grades 9 – 11	*	*	*	*	-
Grade 12 complete	-	-	-	-	-
Above grade 12	-	-	-	-	-
Total	202,146	51,560	14,313	16,105	58,537

Table 2.1.5 Number of Holders Applying Inputs by Educational Status

<b>Western Tigray</b>					
Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	41,394	3,905	1,477	2,126	1,859
Literate (informal)	12,158	1,257	138	1,107	403
Grades 1 – 3	9,628	868	399	828	480
Grades 4 – 6	4,654	506	172	517	*
Grades 7 – 8	1,942	*	*	143	*
Grades 9 – 11	220	-	*	*	-
Grade 12 complete	*	-	-	-	-
Above grade 12	*	-	-	-	-
Total	70,041	6,669	2,233	4,742	2,813

Table 2.2 Number of Holders Applying Inputs by Educational Status

<b>Afar Region</b>					
Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	12,258	1,778	1,013	1,373	8,038
Literate (informal)	578	*	*	*	274
Grades 1 – 3	682	*	*	*	329
Grades 4 – 6	381	*	-	*	309
Grades 7 – 8	112	-	*	*	112
Grades 9 – 11	*	-	-	-	*
Grade 12 complete	-	-	-	-	-
Above grade 12	-	-	-	-	-
Total	14,038	1,998	1,183	1,594	9,089

Table 2.2.1 Number of Holders Applying Inputs by Educational Status

<b>Zone 1</b>					
Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	7,059	-	623	*	6,943
Literate (informal)	315	-	*	-	274
Grades 1 – 3	217	-	*	-	217
Grades 4 – 6	239	-	-	-	239
Grades 7 – 8	70	-	*	-	70
Grades 9 – 11	*	-	-	-	*
Grade 12 complete	-	-	-	-	-
Above grade 12	-	-	-	-	-
Total	7,928	-	754	*	7,771

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	5,199	1,778	*	1,331	1,094
Literate (informal)	263	*	*	*	-
Grades 1 – 3	465	*	-	*	*
Grades 4 – 6	*	*	-	*	*
Grades 7 – 8	*	-	-	*	*
Grades 9 – 11	-	-	-	-	-
Grade 12 complete	-	-	-	-	-
Above grade 12	-	-	-	-	-
Total	6,110	1,998	*	1,552	1,318

Table 2.3 Number of Holders Applying Inputs by Educational Status

**Amhara Region**

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	2,374,621	862,255	238,917	242,776	221,138
Literate (informal)	473,059	232,368	78,586	87,708	61,486
Grades 1 – 3	160,660	73,677	28,960	24,688	22,916
Grades 4 – 6	166,455	90,099	24,375	28,533	20,830
Grades 7 – 8	40,745	24,032	6,816	5,515	5,422
Grades 9 – 11	12,259	8,869	3,649	*	*
Grade 12 complete	3,058	*	*	-	*
Above grade 12	*	-	-	-	-
Total	3,230,895	1,293,132	381,747	390,731	333,860

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	364,089	94,794	22,198	38,160	17,982
Literate (informal)	63,863	24,073	7,788	15,990	*
Grades 1 – 3	27,233	10,666	4,954	6,113	*
Grades 4 – 6	19,002	6,456	*	4,164	*
Grades 7 – 8	2,536	-	-	-	-
Grades 9 – 11	*	*	-	*	-
Grade 12 complete	*	*	*	-	-
Above grade 12	*	-	-	-	-
Total	477,763	136,942	36,505	64,937	21,999

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	295,804	95,949	6,331	30,819	13,148
Literate (informal)	76,480	27,847	*	15,203	4,886
Grades 1 – 3	19,507	6,241	*	1,988	*
Grades 4 – 6	13,179	7,116	*	*	*
Grades 7 – 8	*	*	-	*	-
Grades 9 – 11	*	*	*	-	-
Grade 12 complete	-	-	-	-	-
Above grade 12	-	-	-	-	-
Total	407,048	138,405	8,451	51,211	19,357

Table 2.3.3 Number of Holders Applying Inputs by Educational Status

<b>North Wolo</b>					
Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	232,136	16,985	2,955	6,284	17,877
Literate (informal)	50,112	8,071	*	*	8,043
Grades 1 – 3	14,644	3,689	*	*	1,992
Grades 4 – 6	12,065	2,024	-	*	*
Grades 7 – 8	1,940	-	*	*	*
Grades 9 – 11	*	*	*	-	*
Grade 12 complete	*	-	-	-	-
Above grade 12	-	-	-	-	-
Total	312,273	31,435	5,309	10,722	29,278

Table 2.3.4 Number of Holders Applying Inputs by Educational Status

<b>South Wolo</b>					
Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	369,453	71,694	6,037	16,762	36,057
Literate (informal)	61,299	18,235	3,605	*	12,788
Grades 1 – 3	25,374	4,706	-	*	4,637
Grades 4 – 6	40,908	19,329	*	3,279	4,681
Grades 7 – 8	7,769	3,791	-	-	*
Grades 9 – 11	4,089	*	*	-	*
Grade 12 complete	*	*	-	-	-
Above grade 12	-	-	-	-	-
Total	509,872	119,825	12,233	23,840	59,204

Table 2.3.5 Number of Holders Applying Inputs by Educational Status

<b>North Shewa</b>					
Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	274,449	111,753	*	41,240	46,235
Literate (informal)	42,940	23,926	*	13,004	9,322
Grades 1 – 3	24,091	12,384	*	5,661	6,373
Grades 4 – 6	32,263	18,386	*	8,638	4,955
Grades 7 – 8	12,180	7,766	-	2,185	*
Grades 9 – 11	2,725	*	-	*	*
Grade 12 complete	*	*	-	-	*
Above grade 12	-	-	-	-	-
Total	389,495	177,051	4,644	71,729	69,054

Table 2.3.6 Number of Holders Applying Inputs by Educational Status

<b>East Gojjam</b>					
Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	288,149	171,984	25,822	47,300	22,356
Literate (informal)	77,968	60,651	16,203	21,234	7,258
Grades 1 – 3	16,123	12,411	4,770	3,041	3,180
Grades 4 – 6	22,558	18,359	4,948	5,519	2,024
Grades 7 – 8	6,544	4,519	1,811	*	*
Grades 9 – 11	*	*	*	-	-
Grade 12 complete	*	*	-	-	-
Above grade 12	-	-	-	-	-
Total	412,633	269,213	54,413	78,068	35,725

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	294,186	221,073	116,116	40,825	26,096
Literate (informal)	57,340	51,273	35,480	15,949	8,693
Grades 1 – 3	19,811	17,394	11,313	3,917	*
Grades 4 – 6	14,845	12,093	9,549	*	2,928
Grades 7 – 8	3,524	3,524	2,332	*	*
Grades 9 – 11	*	*	*	-	*
Grade 12 complete	-	-	-	-	-
Above grade 12	-	-	-	-	-
Total	390,567	306,217	175,651	64,471	39,899

Table 2.3.8 Number of Holders Applying Inputs by Educational Status

**Waghamera**

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	67,641	*	850	2,104	2,850
Literate (informal)	9,207	*	*	*	1,062
Grades 1 – 3	3,272	-	-	-	557
Grades 4 – 6	1,876	-	*	-	*
Grades 7 – 8	*	-	-	-	-
Grades 9 – 11	*	-	-	-	-
Grade 12 complete	-	-	-	-	-
Above grade 12	-	-	-	-	-
Total	82,437	607	1,572	2,424	4,882

Table 2.3.9 Number of Holders Applying Inputs by Educational Status

**Awı**

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	125,275	77,149	56,597	13,097	32,291
Literate (informal)	24,659	18,132	12,148	*	7,021
Grades 1 – 3	9,482	6,187	4,776	1,158	*
Grades 4 – 6	8,228	6,338	5,601	*	3,377
Grades 7 – 8	4,496	3,968	2,297	*	*
Grades 9 – 11	*	*	*	-	-
Grade 12 complete	-	-	-	-	-
Above grade 12	-	-	-	-	-
Total	173,376	113,011	82,157	16,034	46,786

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	63,439	*	*	6,184	6,245
Literate (informal)	9,190	-	*	*	1,019
Grades 1 – 3	1,122	-	-	*	*
Grades 4 – 6	1,533	-	-	*	*
Grades 7 – 8	*	-	-	-	-
Grades 9 – 11	-	-	-	-	-
Grade 12 complete	-	-	-	-	-
Above grade 12	-	-	-	-	-
Total	75,431	*	811	7,295	7,677

Table 2.4 Number of Holders Applying Inputs by Educational Status

<b>Oromia Region</b>					
Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	3,095,635	1,352,742	289,621	1,024,664	152,652
Literate (informal)	301,879	148,051	49,497	131,501	19,698
Grades 1 – 3	604,889	304,501	87,718	236,313	25,063
Grades 4 – 6	614,512	329,842	93,982	248,271	31,234
Grades 7 – 8	213,021	130,339	41,391	88,892	11,407
Grades 9 – 11	54,371	36,617	9,416	30,827	1,737
Grade 12 complete	23,449	17,070	5,522	13,902	*
Above grade 12	6,327	4,611	1,910	4,076	*
Total	4,914,082	2,323,773	579,056	1,778,446	243,210

Table 2.4.1 Number of Holders Applying Inputs by Educational Status

<b>West Welega</b>					
Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	130,044	45,495	20,086	11,455	2,154
Literate (informal)	7,149	*	*	1,348	-
Grades 1 – 3	41,179	16,491	9,325	3,871	*
Grades 4 – 6	37,659	15,509	7,706	5,128	*
Grades 7 – 8	18,307	9,397	5,310	*	1,231
Grades 9 – 11	3,394	*	*	*	*
Grade 12 complete	*	*	-	-	-
Above grade 12	*	-	-	-	-
Total	239,372	89,437	44,395	24,627	5,748

Table 2.4.2 Number of Holders Applying Inputs by Educational Status

<b>East Welega</b>					
Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	132,475	52,109	18,155	18,188	3,763
Literate (informal)	7,221	1,878	*	*	-
Grades 1 – 3	23,761	11,639	5,302	4,094	*
Grades 4 – 6	29,585	16,868	5,172	5,286	-
Grades 7 – 8	10,998	6,985	2,091	2,385	*
Grades 9 – 11	3,551	2,485	*	1,105	-
Grade 12 complete	1,749	*	*	*	-
Above grade 12	*	*	-	-	-
Total	209,604	93,060	32,855	32,354	4,584

Table 2.4.3 Number of Holders Applying Inputs by Educational Status

<b>Illubabor</b>					
Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	131,603	22,782	13,225	34,549	1,436
Literate (informal)	14,517	2,988	1,886	4,226	*
Grades 1 – 3	39,026	11,404	6,753	11,062	*
Grades 4 – 6	34,450	8,120	4,144	12,133	299
Grades 7 – 8	9,745	1,744	568	2,597	-
Grades 9 – 11	3,037	954	666	567	-
Grade 12 complete	569	281	*	260	-
Above grade 12	593	-	-	299	-
Total	233,539	48,273	27,263	65,694	1,840

Table 2.4.4 Number of Holders Applying Inputs by Educational Status

**Jimma**

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	355,924	156,771	83,220	224,371	4,266
Literate (informal)	52,314	23,053	13,700	38,783	*
Grades 1 – 3	63,359	30,196	15,554	48,238	*
Grades 4 – 6	44,813	16,313	8,969	25,071	-
Grades 7 – 8	7,250	2,665	2,736	3,924	-
Grades 9 – 11	*	*	*	*	-
Grade 12 complete	*	-	-	-	-
Above grade 12	-	-	-	-	-
Total	526,651	229,989	124,756	340,872	5,838

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	254,134	177,398	17,232	167,299	19,767
Literate (informal)	20,892	14,164	2,037	14,565	*
Grades 1 – 3	51,363	37,817	9,004	34,849	5,193
Grades 4 – 6	53,938	37,401	5,603	35,692	5,329
Grades 7 – 8	18,298	14,784	*	12,665	*
Grades 9 – 11	7,431	6,652	*	7,021	*
Grade 12 complete	*	*	-	*	-
Above grade 12	*	*	*	*	-
Total	407,793	289,419	37,920	272,894	34,825

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	198,769	72,831	2,505	43,906	11,345
Literate (informal)	20,770	6,423	*	5,058	*
Grades 1 – 3	17,836	10,075	*	6,444	*
Grades 4 – 6	13,636	6,602	-	6,241	*
Grades 7 – 8	3,456	1,809	*	*	*
Grades 9 – 11	*	*	-	*	-
Grade 12 complete	*	*	*	-	-
Above grade 12	*	*	*	*	-
Total	256,986	99,852	6,574	63,083	15,178

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	177,252	115,098	15,791	86,810	10,148
Literate (informal)	19,191	13,314	3,445	9,699	*
Grades 1 – 3	29,658	20,479	2,511	12,995	*
Grades 4 – 6	24,853	18,238	4,053	13,658	*
Grades 7 – 8	9,191	6,099	*	3,579	*
Grades 9 – 11	3,935	2,227	*	1,902	*
Grade 12 complete	*	*	-	*	-
Above grade 12	-	-	-	-	-
Total	264,745	175,687	27,510	128,874	15,367



Table 2.4.8 Number of Holders Applying Inputs by Educational Status

<b>Arsi</b>					
Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	262,885	181,598	17,577	132,936	10,715
Literate (informal)	23,849	18,920	2,990	19,470	*
Grades 1 – 3	66,945	43,887	3,493	35,251	*
Grades 4 – 6	100,203	71,665	16,570	62,761	*
Grades 7 – 8	39,041	34,264	6,563	26,666	*
Grades 9 – 11	10,638	9,077	*	9,679	*
Grade 12 complete	6,028	5,460	*	6,028	*
Above grade 12	*	*	*	*	-
Total	511,425	366,708	50,171	294,627	23,996

Table 2.4.9 Number of Holders Applying Inputs by Educational Status

<b>West Harerge</b>					
Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	231,176	43,939	13,827	21,740	25,579
Literate (informal)	31,069	*	*	5,409	*
Grades 1 – 3	25,201	7,415	2,646	4,978	4,006
Grades 4 – 6	29,548	7,048	5,107	3,098	3,734
Grades 7 – 8	7,048	3,026	1,640	*	*
Grades 9 – 11	1,471	*	-	*	-
Grade 12 complete	-	-	-	-	-
Above grade 12	*	-	*	-	*
Total	325,897	69,126	26,670	35,912	37,950

Table 2.4.10 Number of Holders Applying Inputs by Educational Status

<b>East Harerge</b>					
Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	365,622	138,224	30,983	18,460	39,991
Literate (informal)	36,009	20,000	9,392	*	3,762
Grades 1 – 3	31,777	16,019	*	*	*
Grades 4 – 6	50,165	29,256	8,040	*	7,484
Grades 7 – 8	17,839	9,910	5,109	*	*
Grades 9 – 11	*	*	-	-	-
Grade 12 complete	*	*	*	-	-
Above grade 12	-	-	-	-	-
Total	504,174	216,171	57,593	26,355	56,373

Table 2.4.11 Number of Holders Applying Inputs by Educational Status

<b>Bale</b>					
Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	161,040	64,929	*	64,391	10,572
Literate (informal)	13,505	6,510	*	5,134	*
Grades 1 – 3	37,077	18,240	*	17,277	*
Grades 4 – 6	36,948	21,804	*	19,182	*
Grades 7 – 8	9,683	3,740	*	4,626	*
Grades 9 – 11	2,249	1,610	*	1,376	-
Grade 12 complete	*	*	*	*	-
Above grade 12	*	-	-	-	-
Total	261,869	117,884	5,398	113,039	15,543

Table 2.4.12 Number of Holders Applying Inputs by Educational Status

**Borena**

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	90,289	*	6,143	*	*
Literate (informal)	3,374	*	*	-	-
Grades 1 – 3	13,563	*	*	*	*
Grades 4 – 6	10,514	*	2,421	*	*
Grades 7 – 8	3,745	*	*	-	*
Grades 9 – 11	*	-	-	-	-
Grade 12 complete	*	-	*	-	-
Above grade 12	-	-	-	-	-
Total	122,498	*	12,363	2,719	*

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	126,983	104,505	5,022	80,609	6,259
Literate (informal)	18,584	16,227	2,293	12,673	*
Grades 1 – 3	20,696	19,058	3,227	14,624	*
Grades 4 – 6	19,337	18,161	2,181	15,494	3,289
Grades 7 – 8	9,453	9,221	903	7,758	*
Grades 9 – 11	4,022	3,343	1,102	3,343	*
Grade 12 complete	1,698	1,698	*	1,254	-
Above grade 12	*	*	-	*	-
Total	200,986	172,427	14,966	135,968	13,783

Table 2.4.14 Number of Holders Applying Inputs by Educational Status

**Guji**

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	122,209	4,983	*	7,029	*
Literate (informal)	6,967	*	-	*	-
Grades 1 – 3	39,835	*	1,325	3,466	*
Grades 4 – 6	35,299	2,095	*	*	*
Grades 7 – 8	7,458	*	*	*	*
Grades 9 – 11	*	-	-	-	-
Grade 12 complete	*	-	-	-	-
Above grade 12	-	-	-	-	-
Total	212,455	9,224	4,154	13,648	*

Table 2.4.15 Number of Holders Applying Inputs by Educational Status

**Kelem**

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	83,762	10,942	7,088	14,860	1,141
Literate (informal)	5,045	262	53	1,110	-
Grades 1 – 3	28,252	4,498	3,706	7,532	194
Grades 4 – 6	20,475	2,123	2,001	3,273	184
Grades 7 – 8	8,051	2,251	1,765	1,146	-
Grades 9 – 11	2,909	809	474	919	-
Grade 12 complete	734	383	196	187	-
Above grade 12	164	164	-	164	-
Total	149,392	21,433	15,282	29,192	1,520

Table 2.4.16 Number of Holders Applying Inputs by Educational Status

**Horoguduru**

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	64,547	42,265	15,063	16,559	1,490
Literate (informal)	7,867	6,348	2,720	3,007	156
Grades 1 – 3	12,614	9,914	3,775	4,066	131
Grades 4 – 6	13,359	10,693	5,238	4,503	145
Grades 7 – 8	6,074	3,259	824	1,644	-
Grades 9 – 11	3,540	3,047	1,168	1,314	-
Grade 12 complete	1,823	1,566	350	945	-
Above grade 12	518	518	271	376	-
Total	110,343	77,609	29,409	32,414	1,922

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	206,922	116,803	21,125	79,646	2,988
Literate (informal)	13,556	8,558	2,435	7,412	*
Grades 1 – 3	62,746	45,046	12,473	26,786	*
Grades 4 – 6	59,732	46,873	14,305	30,857	*
Grades 7 – 8	27,384	20,629	8,675	16,235	*
Grades 9 – 11	2,880	2,509	*	2,104	-
Grade 12 complete	2,704	2,276	1,905	2,704	-
Above grade 12	*	*	-	*	-
Total	376,353	243,122	61,777	166,175	6,023

Table 2.5 Number of Holders Applying Inputs by Educational Status

**Somalie Region**

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	85,168	*	26	*	6,404
Literate (informal)	8,248	-	*	-	821
Grades 1 – 3	3,906	*	*	-	*
Grades 4 – 6	2,525	*	-	*	327
Grades 7 – 8	765	*	*	-	*
Grades 9 – 11	42	-	-	-	42
Grade 12 complete	-	-	-	-	-
Above grade 12	-	-	-	-	-
Total	100,654	*	*	*	8,312

Table 2.5.1 Number of Holders Applying Inputs by Educational Status

**Shinele**

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	2,630	30	26	30	1,602
Literate (informal)	200	-	-	-	108
Grades 1 – 3	80	*	*	-	57
Grades 4 – 6	219	*	-	-	140
Grades 7 – 8	*	*	*	-	*
Grades 9 – 11	42	-	-	-	42
Grade 12 complete	-	-	-	-	-
Above grade 12	-	-	-	-	-
Total	3,204	77	57	30	1,981

Table 2.5.2 Number of Holders Applying Inputs by Educational Status

**Jijiga**

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	70,197	*	-	*	*
Literate (informal)	5,306	-	*	-	*
Grades 1 – 3	2,038	-	-	-	*
Grades 4 – 6	1,214	-	-	-	-
Grades 7 – 8	*	-	-	-	-
Grades 9 – 11	-	-	-	-	-
Grade 12 complete	-	-	-	-	-
Above grade 12	-	-	-	-	-
Total	78,964	*	*	*	*

Table 2.5.3 Number of Holders Applying Inputs by Educational Status

**Liben**

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	12,340	-	-	*	1,035
Literate (informal)	2,741	-	*	-	*
Grades 1 – 3	1,788	*	-	-	*
Grades 4 – 6	1,093	-	-	*	*
Grades 7 – 8	524	-	*	-	*
Grades 9 – 11	-	-	-	-	-
Grade 12 complete	-	-	-	-	-
Above grade 12	-	-	-	-	-
Total	18,486	*	*	*	2,014

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	101,762	8,549	2,914	4,338	4,420
Literate (informal)	7,276	2,397	1,153	914	1,021
Grades 1 – 3	18,835	2,699	1,107	895	1,399
Grades 4 – 6	16,577	3,694	224	1,303	1,605
Grades 7 – 8	4,628	1,224	221	414	*
Grades 9 – 11	980	*	-	396	*
Grade 12 complete	287	165	165	89	*
Above grade 12	*	*	-	-	-
Total	150,396	19,005	5,784	8,348	8,954

Table 2.6.1 Number of Holders Applying Inputs by Educational Status

**Metekel**

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	37,302	6,982	*	1,721	2,633
Literate (informal)	2,790	1,347	*	*	*
Grades 1 – 3	6,567	1,965	496	*	*
Grades 4 – 6	6,253	2,858	-	947	*
Grades 7 – 8	1,761	941	*	*	*
Grades 9 – 11	345	*	-	*	*
Grade 12 complete	*	*	*	-	*
Above grade 12	-	-	-	-	-
Total	55,095	14,395	1,943	3,652	5,012

Table 2.6.2 Number of Holders Applying Inputs by Educational Status

<b>Asosa</b>					
Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	50,057	867	1,728	2,367	1,788
Literate (informal)	3,734	1,049	901	712	754
Grades 1 – 3	6,525	273	387	380	600
Grades 4 – 6	6,111	607	179	356	620
Grades 7 – 8	1,529	178	91	178	-
Grades 9 – 11	538	-	-	267	89
Grade 12 complete	211	89	89	89	-
Above grade 12	-	-	-	-	-
Total	68,705	3,064	3,376	4,348	3,850

Table 2.6.3 Number of Holders Applying Inputs by Educational Status

<b>Kemashi</b>					
Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	14,402	*	*	249	-
Literate (informal)	751	-	-	-	-
Grades 1 – 3	5,743	461	*	*	-
Grades 4 – 6	4,212	*	*	-	*
Grades 7 – 8	1,339	*	*	*	*
Grades 9 – 11	*	-	-	-	-
Grade 12 complete	-	-	-	-	-
Above grade 12	*	*	-	-	-
Total	26,596	1,547	465	347	*

Table 2.7 Number of Holders Applying Inputs by Educational Status

<b>S.N.N.P. Region</b>					
Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	1,751,761	549,953	108,317	286,045	38,249
Literate (informal)	50,946	21,978	8,024	13,703	2,244
Grades 1 – 3	331,777	124,261	31,314	58,400	8,664
Grades 4 – 6	402,265	155,529	40,252	74,158	13,111
Grades 7 – 8	144,892	62,953	19,417	33,052	6,512
Grades 9 – 11	33,251	17,224	5,035	6,708	971
Grade 12 complete	17,140	8,519	3,738	4,646	*
Above grade 12	5,295	1,889	*	1,250	-
Total	2,737,326	942,307	217,026	477,963	70,074

Table 2.7.1 Number of Holders Applying Inputs by Educational Status

<b>Gurage</b>					
Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	181,724	107,487	20,367	33,557	3,922
Literate (informal)	11,874	6,134	2,415	2,801	-
Grades 1 – 3	26,393	17,655	7,177	6,626	*
Grades 4 – 6	25,766	15,212	4,576	4,894	*
Grades 7 – 8	8,306	6,093	*	*	-
Grades 9 – 11	2,068	*	*	*	-
Grade 12 complete	*	*	*	-	-
Above grade 12	*	*	*	*	-
Total	257,497	155,358	37,868	51,070	5,055

Table 2.7.2 Number of Holders Applying Inputs by Educational Status

**Hadiya**

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	116,014	96,381	13,496	77,965	1,376
Literate (informal)	2,202	*	*	*	-
Grades 1 – 3	28,836	23,993	*	17,770	*
Grades 4 – 6	44,102	39,780	5,844	32,769	*
Grades 7 – 8	18,969	17,712	4,091	14,102	*
Grades 9 – 11	6,177	5,441	1,390	4,408	-
Grade 12 complete	2,270	2,270	*	2,270	-
Above grade 12	*	*	*	*	-
Total	219,475	188,403	28,594	151,819	3,002

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	51,181	36,811	1,859	22,926	*
Literate (informal)	*	*	*	*	-
Grades 1 – 3	15,066	10,945	*	5,026	-
Grades 4 – 6	25,135	19,010	1,526	11,172	*
Grades 7 – 8	12,769	9,906	*	6,966	*
Grades 9 – 11	3,669	2,678	*	1,670	*
Grade 12 complete	3,758	2,925	*	1,117	*
Above grade 12	*	*	*	*	-
Total	114,183	84,225	5,936	49,661	1,626

Table 2.7.4 Number of Holders Applying Inputs by Educational Status

**Sidama**

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	350,108	103,045	25,609	11,114	*
Literate (informal)	5,481	*	*	-	*
Grades 1 – 3	89,696	34,313	8,987	*	*
Grades 4 – 6	104,920	33,513	13,433	*	*
Grades 7 – 8	36,641	11,180	7,443	*	*
Grades 9 – 11	8,420	2,500	*	-	-
Grade 12 complete	3,550	*	*	*	-
Above grade 12	*	-	-	-	-
Total	599,501	187,434	58,373	16,554	6,606

Table 2.7.5 Number of Holders Applying Inputs by Educational Status

**Gedio**

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	83,197	4,948	7,777	*	*
Literate (informal)	2,375	*	*	*	-
Grades 1 – 3	23,500	2,797	3,864	*	*
Grades 4 – 6	31,753	2,195	5,707	*	1,033
Grades 7 – 8	10,833	*	2,600	*	-
Grades 9 – 11	*	-	*	-	-
Grade 12 complete	1,083	*	*	-	-
Above grade 12	*	-	-	-	-
Total	154,213	12,226	21,225	*	1,996

Table 2.7.6 Number of Holders Applying Inputs by Educational Status

**Wolayita**

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	163,816	87,790	3,842	4,551	-
Literate (informal)	3,362	977	-	1,007	-
Grades 1 – 3	29,072	15,135	1,038	1,467	-
Grades 4 – 6	48,983	29,223	1,443	1,320	705
Grades 7 – 8	20,730	12,544	1,078	1,040	658
Grades 9 – 11	6,209	4,501	353	-	-
Grade 12 complete	2,052	1,371	1,052	354	-
Above grade 12	325	-	-	-	-
Total	274,549	151,540	8,806	9,740	1,363

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	74,493	597	1,347	*	*
Literate (informal)	1,276	-	*	-	-
Grades 1 – 3	7,886	*	*	*	-
Grades 4 – 6	7,956	*	*	-	-
Grades 7 – 8	932	*	*	-	-
Grades 9 – 11	*	-	-	-	-
Grade 12 complete	*	-	*	-	-
Above grade 12	*	-	-	-	-
Total	93,728	1,392	2,936	*	*

Table 2.7.8 Number of Holders Applying Inputs by Educational Status

**Sheka**

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	18,843	-	803	*	-
Literate (informal)	1,061	-	*	-	-
Grades 1 – 3	4,654	-	*	*	-
Grades 4 – 6	6,355	-	*	-	-
Grades 7 – 8	2,739	-	*	*	-
Grades 9 – 11	*	-	-	-	-
Grade 12 complete	*	-	*	-	-
Above grade 12	*	-	-	-	-
Total	34,198	-	2,303	*	-

Table 2.7.9 Number of Holders Applying Inputs by Educational Status

**Kefa**

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	124,856	2,141	4,031	38,934	*
Literate (informal)	1,670	-	-	*	-
Grades 1 – 3	18,505	805	*	8,019	-
Grades 4 – 6	21,058	1,395	1,609	6,541	-
Grades 7 – 8	7,728	*	*	3,272	-
Grades 9 – 11	*	-	*	*	-
Grade 12 complete	1,066	-	*	*	-
Above grade 12	*	-	-	-	-
Total	175,897	4,849	7,111	57,008	*

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	206,883	2,702	4,768	4,833	21,813
Literate (informal)	3,094	*	-	*	409
Grades 1 – 3	25,200	356	524	262	2,904
Grades 4 – 6	33,843	712	597	744	5,480
Grades 7 – 8	9,094	*	-	360	2,242
Grades 9 – 11	1,704	-	-	-	400
Grade 12 complete	694	-	-	-	-
Above grade 12	801	-	-	-	-
Total	281,313	3,778	5,889	6,202	33,248

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	89,202	2,191	1,241	2,369	189
Literate (informal)	1,972	-	-	169	178
Grades 1 – 3	17,940	650	840	*	-
Grades 4 – 6	14,255	470	517	419	-
Grades 7 – 8	4,492	-	-	189	-
Grades 9 – 11	228	-	-	*	-
Grade 12 complete	*	-	-	-	-
Above grade 12	-	-	-	-	-
Total	128,091	3,312	2,598	3,159	367

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	9,714	6,498	1,260	5,647	*
Literate (informal)	364	294	*	260	-
Grades 1 – 3	1,898	1,274	*	1,052	-
Grades 4 – 6	2,562	2,008	381	1,799	*
Grades 7 – 8	331	189	*	186	*
Grades 9 – 11	175	*	*	*	-
Grade 12 complete	*	*	-	*	-
Above grade 12	*	-	-	-	-
Total	15,186	10,470	1,940	9,119	*

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	15,717	*	180	*	3,395
Literate (informal)	735	-	-	-	-
Grades 1 – 3	5,555	-	-	*	2,165
Grades 4 – 6	4,958	-	*	*	2,500
Grades 7 – 8	1,323	-	-	-	578
Grades 9 – 11	429	-	-	-	213
Grade 12 complete	269	-	-	-	163
Above grade 12	-	-	-	-	-
Total	28,987	*	296	178	9,014



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	6,247	*	346	*	*
Literate (informal)	200	-	*	*	-
Grades 1 – 3	742	-	*	*	*
Grades 4 – 6	1,143	-	*	*	-
Grades 7 – 8	352	-	*	*	-
Grades 9 – 11	87	-	*	-	*
Grade 12 complete	*	-	*	-	-
Above grade 12	*	-	*	-	-
Total	8,870	*	613	457	162

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	32,085	-	*	*	*
Literate (informal)	993	-	-	*	*
Grades 1 – 3	1,907	-	*	*	*
Grades 4 – 6	1,607	-	*	-	*
Grades 7 – 8	*	-	-	-	*
Grades 9 – 11	*	-	-	-	-
Grade 12 complete	*	-	-	-	-
Above grade 12	-	-	-	-	-
Total	36,996	-	*	*	*

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	20,556	-	-	-	555
Literate (informal)	249	-	-	-	-
Grades 1 – 3	2,513	-	-	*	*
Grades 4 – 6	1,736	-	-	*	*
Grades 7 – 8	655	-	-	-	-
Grades 9 – 11	-	-	-	-	-
Grade 12 complete	*	-	-	-	-
Above grade 12	*	-	-	-	-
Total	25,839	-	-	*	658

Table 2.7.17 Number of Holders Applying Inputs by Educational Status

**Dawro**

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	49,428	*	*	2,115	*
Literate (informal)	1,770	-	-	*	-
Grades 1 – 3	10,537	*	*	*	-
Grades 4 – 6	11,305	*	*	*	*
Grades 7 – 8	4,512	*	*	*	*
Grades 9 – 11	969	-	-	*	-
Grade 12 complete	*	-	*	*	-
Above grade 12	*	-	-	-	-
Total	79,059	*	*	3,418	*

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	9,021	205	205	78	*
Literate (informal)	138	-	-	-	-
Grades 1 – 3	1,166	-	-	-	-
Grades 4 – 6	1,315	*	*	-	-
Grades 7 – 8	341	*	*	-	-
Grades 9 – 11	112	-	-	-	-
Grade 12 complete	*	-	-	-	-
Above grade 12	-	-	-	-	-
Total	12,132	260	260	78	*

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	15,245	801	897	4,657	40
Literate (informal)	115	-	*	*	-
Grades 1 – 3	1,947	83	91	469	-
Grades 4 – 6	1,330	144	163	269	-
Grades 7 – 8	454	*	58	105	*
Grades 9 – 11	102	-	*	-	-
Grade 12 complete	61	*	*	-	-
Above grade 12	-	-	-	-	-
Total	19,255	1,122	1,268	5,551	82

Table 2.7.20 Number of Holders Applying Inputs by Educational Status

**Silitie**

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	103,950	79,121	18,729	59,238	*
Literate (informal)	9,305	7,849	2,653	5,924	*
Grades 1 – 3	15,771	13,286	3,945	11,403	*
Grades 4 – 6	10,754	9,952	2,845	7,719	*
Grades 7 – 8	2,597	2,355	*	*	-
Grades 9 – 11	*	*	-	-	-
Grade 12 complete	*	*	*	-	-
Above grade 12	-	-	-	-	-
Total	142,959	113,144	28,498	86,055	2,061

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	29,479	18,240	*	14,813	*
Literate (informal)	*	*	*	*	*
Grades 1 – 3	2,993	2,505	*	2,096	*
Grades 4 – 6	1,428	1,094	-	1,258	*
Grades 7 – 8	879	702	-	713	-
Grades 9 – 11	*	-	-	-	-
Grade 12 complete	-	-	-	-	-
Above grade 12	-	-	-	-	-
Total	35,399	22,895	1,592	19,151	520

Table 2.8 Number of Holders Applying Inputs by Educational Status

<b>Harari Region</b>					
Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	11,527	6,040	442	1,521	1,995
Literate (informal)	1,154	493	-	*	253
Grades 1 – 3	1,201	873	*	229	266
Grades 4 – 6	2,029	1,450	*	*	498
Grades 7 – 8	693	478	*	*	*
Grades 9 – 11	*	*	*	*	*
Grade 12 complete	-	-	-	-	-
Above grade 12	-	-	-	-	-
Total	16,699	9,431	735	2,204	3,080

Table 2.9 Number of Holders Applying Inputs by Educational Status

<b>Addis Abeba</b>					
Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	4,177	3,671	*	779	106
Literate (informal)	418	244	*	*	*
Grades 1 – 3	470	303	-	*	-
Grades 4 – 6	876	609	*	307	*
Grades 7 – 8	437	323	-	97	*
Grades 9 – 11	116	83	*	*	*
Grade 12 complete	209	135	*	*	-
Above grade 12	56	-	-	-	*
Total	6,761	5,368	128	1,323	216

Table 2.10 Number of Holders Applying Inputs by Educational Status

<b>Dire Dawa</b>					
Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	14,416	902	1,455	238	5,345
Literate (informal)	323	-	*	-	*
Grades 1 – 3	934	*	*	-	480
Grades 4 – 6	994	*	238	*	375
Grades 7 – 8	*	-	*	*	*
Grades 9 – 11	*	-	*	-	*
Grade 12 complete	-	-	-	-	-
Above grade 12	-	-	-	-	-
Total	16,878	1,218	2,166	337	6,492

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

**Ethiopia**

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	8,328,434	1,598,815	615,420	172,476	113,825	28,408	34,940	115,864
Crop disease	23,600	2,956	1,558	*	103	*	*	*
Frost or floods	2,938,862	416,922	165,975	51,337	34,516	6,498	8,020	18,316
Locust	681,139	83,815	32,116	12,207	5,657	1,737	2,444	5,731
Shortage of rain	254,808	17,056	4,882	1,643	860	284	391	585
Too much rain	2,352,554	150,410	51,057	15,317	7,305	2,983	4,057	26,963
Wild animals	220,985	10,242	4,059	867	859	76	353	1,134
Birds	1,247,879	128,082	52,883	12,099	11,402	2,579	2,282	8,727
Hailstone	1,469,719	236,390	89,360	20,393	13,632	2,629	3,634	12,331
Pests	672,214	71,361	32,623	8,381	3,316	1,062	2,234	4,511
Weeds	1,883,863	165,363	60,104	18,721	10,813	4,530	4,542	11,241
Others	3,203,581	316,218	120,803	31,267	25,362	6,029	6,980	26,169

**Fig.4 Number of Holders Reporting Damaged Crop Area**

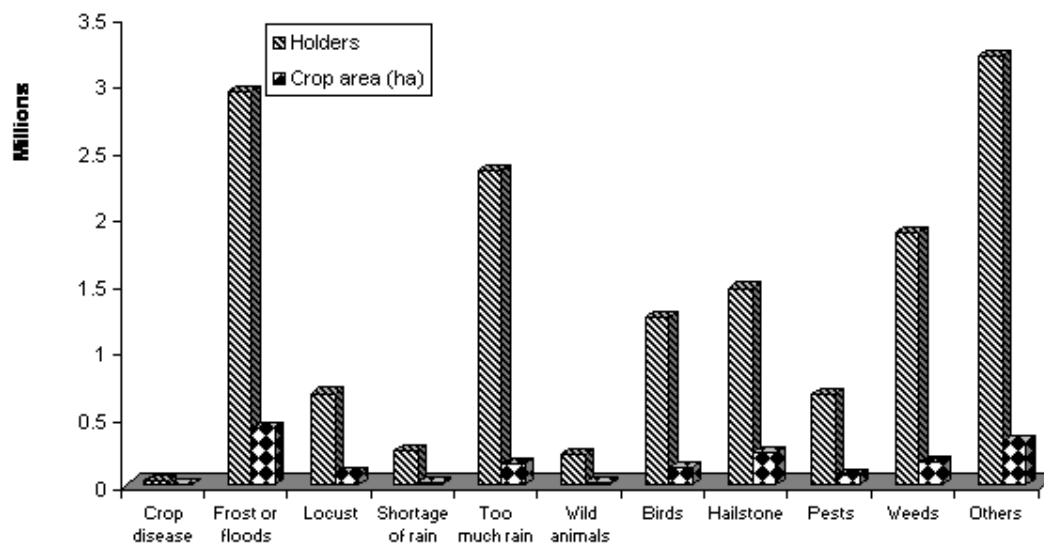


Table 3.1 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

**Tigray Region**

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	594,826	135,978	63,827	9,291	13,967	3,013	1,950	2,380
Crop disease	*	*	*	-	-	-	-	-
Frost or floods	183,743	23,488	10,532	1,755	2,419	334	*	384
Locust	104,387	13,909	7,039	1,247	981	582	*	*
Shortage of rain	12,436	1,119	*	*	87	1	-	*
Too much rain	156,381	13,934	6,318	1,402	1,331	187	192	317
Wild animals	7,705	304	134	*	*	*	-	*
Birds	110,760	15,058	7,022	434	2,299	330	*	*
Hailstone	173,770	29,909	15,100	1,169	3,801	*	*	261
Pests	32,167	2,554	1,428	75	236	*	*	*
Weeds	163,144	15,428	6,590	1,538	1,198	496	239	253
Others	205,600	19,946	9,021	1,552	1,593	449	375	463

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	113,735	20,735	10,739	1,642	1,962	494	*	*
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	27,390	3,119	1,609	291	*	*	-	*
Locust	20,561	1,526	700	*	134	*	*	*
Shortage of rain	*	*	*	*	*	-	-	-
Too much rain	25,602	1,836	921	398	120	*	*	*
Wild animals	*	*	*	-	-	-	-	-
Birds	33,956	4,241	2,147	53	706	*	*	*
Hailstone	10,961	1,368	*	*	*	*	-	-
Pests	3,644	250	*	-	*	-	-	*
Weeds	27,691	2,297	863	*	175	79	*	*
Others	53,491	5,988	3,389	481	409	94	*	*

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	181,792	40,411	21,324	3,844	2,821	899	605	925
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	48,270	3,831	2,445	455	*	*	*	*
Locust	35,188	5,108	2,593	720	*	*	*	*
Shortage of rain	*	*	*	*	*	-	-	*
Too much rain	70,573	5,218	2,706	667	*	*	*	190
Wild animals	1,847	68	*	*	*	-	-	-
Birds	35,195	3,913	2,159	161	*	*	*	*
Hailstone	62,443	9,669	4,790	*	*	*	*	82
Pests	14,130	1,201	686	*	*	*	*	*
Weeds	68,177	5,215	3,032	518	145	*	*	*
Others	68,242	5,418	2,613	750	*	*	*	56

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	96,302	14,831	7,092	1,107	*	*	190	*
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	31,044	2,461	1,260	*	*	*	*	*
Locust	21,750	2,888	1,060	*	-	*	*	*
Shortage of rain	1,341	*	-	*	-	-	-	*
Too much rain	15,734	927	396	*	-	*	*	*
Wild animals	3,798	109	56	*	-	-	-	*
Birds	8,851	907	*	*	*	*	-	-
Hailstone	44,519	3,940	2,150	*	*	*	*	*
Pests	3,940	155	*	*	-	*	-	-
Weeds	24,816	1,190	477	112	*	*	*	*
Others	34,198	2,233	893	78	*	*	*	*

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	149,983	40,448	20,291	2,291	2,321	*	890	582
Crop disease	*	*	*	-	-	-	-	-
Frost or floods	47,832	7,843	3,706	443	*	-	*	*
Locust	22,404	*	*	100	*	*	*	*
Shortage of rain	1,148	*	*	-	-	-	-	-
Too much rain	34,158	4,127	1,798	252	*	*	*	*
Wild animals	*	*	*	*	-	-	-	-
Birds	19,717	3,714	1,262	*	*	*	*	*
Hailstone	52,139	11,357	6,800	*	*	*	*	*
Pests	8,653	803	416	*	*	-	*	-
Weeds	35,043	3,999	1,870	*	*	*	*	*
Others	34,332	4,526	1,500	228	382	*	*	*

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	53,013	19,553	4,380	407	6,469	1,063	25	183
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	29,207	6,233	1,513	259	1,422	207	11	*
Locust	4,485	871	96	-	373	326	-	*
Shortage of rain	702	95	*	-	49	1	-	-
Too much rain	10,315	1,827	497	*	466	120	-	42
Wild animals	300	*	*	-	4	*	-	-
Birds	13,041	2,283	771	103	623	174	6	28
Hailstone	3,708	3,576	444	*	2,377	7	-	*
Pests	1,801	146	67	-	46	10	1	18
Weeds	7,417	2,728	348	*	709	65	8	15
Others	15,338	1,780	626	*	400	152	*	42

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	6,779	1,929	595	*	335	-	41	*
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	516	38	27	*	*	-	*	*
Locust	-	-	-	-	-	-	-	-
Shortage of rain	-	-	-	-	-	-	-	-
Too much rain	1,085	*	47	*	*	-	-	-
Wild animals	-	-	-	-	-	-	-	-
Birds	570	109	37	-	*	-	*	*
Hailstone	3,223	516	101	*	*	-	*	*
Pests	-	-	-	-	-	-	-	-
Weeds	3,130	805	365	*	*	-	*	*
Others	1,662	349	*	*	*	-	*	*

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	2,144	642	206	-	*	-	-	*
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	197	22	*	-	-	-	-	-
Locust	-	-	-	-	-	-	-	-
Shortage of rain	-	-	-	-	-	-	-	-
Too much rain	189	23	*	-	-	-	-	-
Wild animals	-	-	-	-	-	-	-	-
Birds	330	55	*	-	*	-	-	-
Hailstone	*	61	*	-	*	-	-	-
Pests	-	-	-	-	-	-	-	-
Weeds	499	185	*	-	-	-	-	-
Others	743	*	*	-	*	-	-	*

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	4,634	1,287	389	*	*	-	41	*
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	319	16	*	*	*	-	*	*
Locust	-	-	-	-	-	-	-	-
Shortage of rain	-	-	-	-	-	-	-	-
Too much rain	896	*	*	*	*	-	-	-
Wild animals	-	-	-	-	-	-	-	-
Birds	240	54	*	-	*	-	*	*
Hailstone	3,016	456	93	*	*	-	*	*
Pests	-	-	-	-	-	-	-	-
Weeds	2,630	620	240	*	*	-	*	*
Others	919	53	*	*	*	-	*	*

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	2,413,510	500,685	193,626	80,356	42,088	12,386	12,346	21,111
Crop disease	7,208	760	*	*	-	-	-	*
Frost or floods	896,899	111,397	39,435	20,986	9,052	3,040	2,890	3,246
Locust	289,595	41,385	14,697	7,572	3,409	443	1,236	2,163
Shortage of rain	74,013	5,613	2,044	533	*	*	207	*
Too much rain	531,097	38,919	15,349	7,015	2,417	907	1,234	1,871
Wild animals	90,158	5,363	2,057	466	*	*	*	*
Birds	372,915	36,271	15,986	5,129	3,341	974	293	1,784
Hailstone	477,583	59,989	23,656	7,750	4,901	1,101	1,075	2,823
Pests	255,275	23,955	9,915	3,525	1,743	591	810	908
Weeds	722,861	70,887	29,189	11,436	5,479	1,964	1,462	4,021
Others	1,008,645	106,146	40,887	15,844	10,796	3,259	2,902	3,553

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	406,018	100,262	37,611	12,744	14,031	5,575	2,010	*
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	188,352	30,255	10,975	4,530	4,178	1,889	432	164
Locust	39,395	4,033	1,776	*	834	*	*	*
Shortage of rain	*	*	*	*	*	*	-	-
Too much rain	54,428	4,817	1,532	*	*	*	*	*
Wild animals	9,107	433	*	*	*	*	-	-
Birds	78,047	10,379	2,512	*	1,736	*	-	*
Hailstone	68,208	13,602	5,441	1,986	*	*	*	*
Pests	39,759	4,308	1,904	*	*	*	-	*
Weeds	109,038	11,389	5,797	1,527	1,191	*	*	*
Others	191,204	20,388	7,262	2,295	3,233	1,465	*	*

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	346,196	86,776	33,853	14,612	7,176	*	2,563	3,595
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	129,637	14,339	4,966	2,219	1,040	*	*	*
Locust	81,278	12,732	5,128	*	947	-	*	*
Shortage of rain	13,653	*	*	*	-	-	*	*
Too much rain	126,908	11,009	3,797	2,317	*	*	*	*
Wild animals	24,352	*	429	*	*	*	*	*
Birds	58,775	5,577	3,083	1,032	236	-	*	*
Hailstone	59,561	7,934	3,116	1,579	*	-	*	*
Pests	34,698	3,531	*	802	*	*	*	*
Weeds	104,911	10,780	4,122	2,092	912	*	*	*
Others	135,399	18,626	7,329	2,446	2,189	*	*	338



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	222,205	38,604	19,275	6,984	1,614	*	557	238
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	61,604	5,227	2,127	1,353	*	-	*	*
Locust	11,029	1,299	*	*	*	-	-	-
Shortage of rain	*	231	*	*	-	-	*	-
Too much rain	47,236	4,066	2,426	*	*	*	*	*
Wild animals	11,927	497	229	*	*	*	-	*
Birds	32,616	3,497	2,091	492	*	*	*	-
Hailstone	86,678	10,700	4,929	1,005	566	*	*	89
Pests	16,902	1,234	389	258	*	-	*	-
Weeds	74,529	6,702	3,685	1,557	254	*	*	*
Others	63,430	5,153	2,591	1,109	*	*	*	*

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	334,710	52,908	18,853	8,860	2,099	*	874	3,681
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	157,250	15,643	5,538	2,490	722	*	*	*
Locust	22,422	2,822	*	*	*	*	*	*
Shortage of rain	*	*	*	*	-	-	*	-
Too much rain	75,881	3,047	1,557	424	147	*	-	170
Wild animals	11,790	283	*	*	*	-	-	*
Birds	38,560	2,465	1,599	365	*	-	*	*
Hailstone	102,054	10,400	3,481	944	405	*	*	*
Pests	22,211	1,434	407	*	*	-	*	*
Weeds	106,469	10,584	2,951	2,471	*	*	*	1,351
Others	72,894	5,829	2,439	1,063	*	*	-	*

Table 3.3.5 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	287,712	56,334	18,428	7,395	4,097	*	2,243	2,660
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	72,335	6,978	2,345	1,047	*	*	128	*
Locust	21,127	2,606	1,676	*	*	-	*	*
Shortage of rain	29,134	3,250	*	*	*	*	*	-
Too much rain	63,840	4,529	1,000	1,066	*	-	*	181
Wild animals	13,533	*	*	*	*	*	-	*
Birds	47,101	2,775	829	433	*	-	*	*
Hailstone	74,077	7,626	2,422	953	*	*	*	189
Pests	44,973	3,380	*	*	*	*	203	349
Weeds	99,452	9,913	3,659	946	*	*	514	585
Others	139,078	13,970	3,828	2,071	*	*	624	950

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	287,906	50,118	21,295	8,958	2,787	*	1,293	3,022
Crop disease	*	*	*	*	-	-	-	*
Frost or floods	106,257	12,313	5,338	2,365	292	*	386	736
Locust	34,812	3,633	905	872	*	*	*	*
Shortage of rain	4,839	201	*	*	-	-	*	-
Too much rain	44,401	2,983	1,246	*	*	*	*	*
Wild animals	11,639	*	*	*	*	*	*	*
Birds	52,589	4,420	1,935	710	*	*	*	*
Hailstone	29,136	2,178	665	*	*	*	*	*
Pests	41,797	3,825	2,108	416	*	*	*	*
Weeds	64,447	4,758	1,841	694	364	-	*	*
Others	145,088	14,541	6,587	2,732	1,168	*	528	460

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	288,581	61,357	19,530	15,438	4,115	1,344	1,588	3,260
Crop disease	*	*	*	*	-	-	-	-
Frost or floods	130,957	19,834	5,283	6,171	1,281	*	528	985
Locust	51,275	10,670	2,594	2,963	*	*	*	*
Shortage of rain	*	*	*	-	*	-	-	-
Too much rain	55,246	3,173	1,199	709	85	*	*	*
Wild animals	*	*	*	*	-	-	-	*
Birds	26,544	2,136	940	492	*	*	-	*
Hailstone	6,890	195	*	*	*	-	*	-
Pests	40,084	4,580	1,708	721	*	*	*	*
Weeds	74,702	4,770	1,552	876	501	*	*	*
Others	156,431	15,586	6,020	3,411	921	204	419	455

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	70,069	21,733	13,073	3,350	2,038	*	*	*
Crop disease	*	*	*	-	-	-	-	-
Frost or floods	15,138	1,930	1,001	513	*	-	-	*
Locust	7,013	1,007	*	*	*	-	-	*
Shortage of rain	*	*	*	-	-	-	-	-
Too much rain	28,807	3,261	1,817	529	228	-	*	*
Wild animals	2,888	236	197	*	*	-	-	-
Birds	24,620	3,286	2,136	329	478	-	*	*
Hailstone	27,422	4,289	2,441	656	430	-	-	*
Pests	4,832	451	169	*	*	-	-	*
Weeds	31,519	3,765	2,351	601	246	-	*	*
Others	25,133	3,275	2,063	258	485	*	*	*

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

**Awi**

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	114,239	19,554	6,807	1,155	2,790	1,468	988	773
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	29,858	4,461	1,743	*	*	*	236	*
Locust	21,245	2,584	456	*	*	*	*	253
Shortage of rain	*	*	*	-	-	-	-	-
Too much rain	28,117	1,425	*	*	*	*	*	*
Wild animals	*	*	*	*	-	-	-	-
Birds	8,737	1,047	*	*	*	*	-	*
Hailstone	*	*	-	-	*	-	-	-
Pests	6,216	872	*	*	*	-	-	-
Weeds	19,640	975	546	*	69	*	*	*
Others	71,732	8,114	2,505	447	1,811	810	236	*

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	55,873	13,039	4,901	860	1,339	*	176	654
Crop disease	*	*	-	-	-	-	-	-
Frost or floods	5,512	416	118	*	*	*	*	*
Locust	-	-	-	-	-	-	-	-
Shortage of rain	*	*	-	-	-	*	-	-
Too much rain	6,232	610	255	*	*	*	*	*
Wild animals	*	*	*	-	*	-	-	-
Birds	5,326	689	365	*	*	*	*	*
Hailstone	22,492	3,056	1,106	91	*	*	*	*
Pests	3,802	341	*	*	*	*	*	*
Weeds	38,155	7,250	2,685	643	781	137	*	353
Others	8,257	664	*	*	*	*	*	-

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	3,363,037	745,674	286,866	66,905	51,803	8,902	14,418	69,368
Crop disease	13,362	1,691	*	*	45	*	*	*
Frost or floods	1,309,429	243,302	99,592	25,641	22,047	1,632	3,844	11,944
Locust	193,787	23,307	8,974	2,921	968	395	*	2,358
Shortage of rain	104,279	8,813	2,126	1,009	474	*	119	343
Too much rain	932,739	72,445	23,128	4,848	2,949	1,252	1,947	17,757
Wild animals	72,699	2,772	1,308	*	144	*	*	401
Birds	493,347	56,473	22,863	4,182	4,424	912	1,022	4,918
Hailstone	473,810	91,205	36,202	8,421	4,529	668	1,116	5,861
Pests	254,841	33,302	15,464	4,217	1,107	279	1,078	2,797
Weeds	678,553	64,089	19,869	4,876	3,495	1,857	2,261	4,996
Others	1,289,462	148,277	56,554	10,406	11,621	1,727	2,274	17,982

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	181,884	32,495	8,851	517	1,960	307	*	7,779
Crop disease	*	*	-	-	-	-	-	*
Frost or floods	62,152	6,203	2,588	*	238	*	*	1,445
Locust	12,057	*	*	-	*	*	*	*
Shortage of rain	3,781	*	*	-	-	-	-	*
Too much rain	79,161	6,787	1,409	*	522	*	*	2,133
Wild animals	*	*	*	-	*	-	*	-
Birds	21,607	1,441	*	*	*	*	*	*
Hailstone	8,679	*	*	-	*	-	*	*
Pests	7,646	567	*	-	*	-	-	*
Weeds	45,023	4,062	1,004	*	216	*	*	494
Others	101,132	11,028	2,802	250	809	*	*	2,836

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	141,721	32,655	14,084	1,139	4,463	655	*	2,674
Crop disease	*	*	*	-	-	-	-	-
Frost or floods	36,833	5,031	2,403	121	977	*	*	*
Locust	8,505	*	*	*	*	-	-	*
Shortage of rain	1,636	*	*	-	*	-	-	-
Too much rain	57,452	6,417	2,232	*	778	*	*	*
Wild animals	5,298	340	*	-	*	-	-	*
Birds	21,898	2,344	1,117	*	*	*	*	*
Hailstone	4,954	355	*	-	*	*	-	-
Pests	7,080	*	*	-	*	-	-	*
Weeds	23,694	3,006	946	*	504	-	*	*
Others	76,314	12,028	5,293	*	1,317	216	*	1,023

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	203,973	54,543	18,356	5,645	4,737	806	594	15,698
Crop disease	*	*	*	-	*	-	-	-
Frost or floods	63,247	9,175	3,058	1,587	1,602	194	265	1,581
Locust	23,463	3,821	1,718	756	139	207	29	493
Shortage of rain	6,842	416	92	44	92	26	30	86
Too much rain	100,578	10,343	2,546	675	399	100	50	5,170
Wild animals	1,409	36	17	2	*	-	*	14
Birds	29,929	4,029	1,618	586	321	81	*	961
Hailstone	21,892	3,753	906	99	327	1	*	899
Pests	18,430	2,511	1,151	273	57	26	12	619
Weeds	25,773	2,153	1,078	138	155	41	54	298
Others	121,316	18,279	6,162	1,486	1,628	129	121	5,578

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	405,690	73,506	31,849	7,247	3,306	626	745	13,376
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	180,337	20,890	9,660	1,429	836	*	*	3,821
Locust	11,795	*	*	*	*	*	-	*
Shortage of rain	19,216	2,426	757	*	*	-	*	*
Too much rain	179,205	12,861	5,209	*	278	*	*	2,959
Wild animals	6,586	292	*	*	*	-	-	*
Birds	76,703	6,057	3,359	*	*	*	*	757
Hailstone	12,762	1,224	541	-	*	-	*	198
Pests	36,159	4,262	1,487	*	*	*	*	*
Weeds	33,185	2,186	*	*	*	*	-	*
Others	190,773	21,458	8,884	1,933	*	*	*	4,008

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	314,938	79,662	31,008	5,357	*	*	1,920	1,221
Crop disease	*	*	*	-	*	-	-	-
Frost or floods	156,412	27,307	9,427	2,335	*	*	*	*
Locust	20,311	1,346	450	*	*	-	-	*
Shortage of rain	13,539	*	*	*	*	-	*	*
Too much rain	52,713	4,112	2,158	*	*	*	*	*
Wild animals	18,935	351	201	*	*	-	*	*
Birds	55,551	7,637	2,804	*	*	*	*	*
Hailstone	24,061	3,605	1,730	*	*	*	*	*
Pests	41,672	5,696	2,376	640	*	-	*	*
Weeds	63,918	6,154	2,812	*	*	*	*	*
Others	162,075	21,651	8,183	913	2,380	*	*	*

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	187,916	50,935	20,998	4,123	1,301	*	*	*
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	87,298	19,365	8,312	2,247	*	*	*	*
Locust	14,563	2,138	*	*	*	*	-	-
Shortage of rain	7,194	574	*	*	-	*	-	-
Too much rain	14,843	906	*	*	*	-	*	-
Wild animals	7,531	710	*	*	*	-	*	-
Birds	33,046	4,036	2,344	*	*	*	*	*
Hailstone	38,529	9,084	3,324	*	*	*	-	*
Pests	16,096	1,654	*	*	-	*	*	*
Weeds	37,949	6,101	1,675	*	*	*	*	*
Others	64,596	6,365	2,304	622	*	*	*	*

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	131,595	50,321	29,150	11,530	*	647	*	*
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	18,376	*	*	*	*	*	-	-
Locust	*	*	*	*	-	-	-	-
Shortage of rain	3,486	*	*	*	-	-	-	-
Too much rain	8,167	*	*	*	-	*	-	-
Wild animals	*	*	*	*	-	-	-	-
Birds	19,480	*	*	*	-	*	-	-
Hailstone	63,411	28,140	15,679	5,328	*	*	-	*
Pests	15,078	3,287	2,245	*	-	*	*	-
Weeds	16,335	2,367	1,013	1,238	-	*	-	-
Others	31,918	5,011	2,758	1,564	-	*	-	*

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	343,793	88,278	39,830	7,222	11,532	1,002	*	2,467
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	213,119	52,604	21,158	4,699	8,974	*	*	*
Locust	10,837	*	*	*	*	*	*	*
Shortage of rain	*	*	*	*	-	*	*	*
Too much rain	46,393	3,145	1,720	258	*	*	*	*
Wild animals	*	*	-	-	-	-	-	-
Birds	21,152	*	*	*	*	-	-	*
Hailstone	55,031	10,263	5,890	929	*	*	-	*
Pests	25,197	2,707	1,358	*	*	*	*	*
Weeds	57,140	5,102	1,959	233	*	*	*	*
Others	84,108	9,163	4,728	567	1,191	*	271	*

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	244,002	45,583	8,189	1,339	1,203	*	*	4,348
Crop disease	*	*	-	*	-	-	-	-
Frost or floods	45,828	2,306	448	*	-	*	*	*
Locust	18,663	*	*	*	-	*	-	*
Shortage of rain	*	*	*	*	-	-	-	*
Too much rain	115,578	7,267	1,133	312	*	*	*	998
Wild animals	7,766	204	*	*	-	*	-	*
Birds	19,753	1,031	*	*	-	-	*	*
Hailstone	69,380	13,682	1,075	*	*	*	*	623
Pests	13,917	643	*	*	*	-	-	*
Weeds	117,261	14,100	3,245	480	*	*	*	1,666
Others	51,510	3,240	1,261	*	*	*	*	375

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	378,426	47,699	9,822	3,065	*	-	3,211	6,289
Crop disease	*	*	-	-	-	-	-	-
Frost or floods	106,579	6,825	1,830	1,019	*	-	*	*
Locust	40,368	*	*	*	*	-	*	*
Shortage of rain	7,440	*	*	*	-	-	-	*
Too much rain	114,816	3,860	1,068	*	100	-	279	617
Wild animals	*	*	*	-	*	-	-	*
Birds	53,848	6,470	*	*	*	-	*	877
Hailstone	69,560	6,125	710	*	*	-	*	*
Pests	13,529	*	*	*	*	-	-	*
Weeds	131,428	9,777	2,201	*	*	-	*	694
Others	122,520	8,014	1,884	*	114	-	233	1,495

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	152,994	56,775	17,638	4,378	*	*	*	*
Crop disease	*	*	*	*	-	*	*	-
Frost or floods	83,991	38,325	13,544	*	*	*	*	*
Locust	*	*	*	-	-	-	-	-
Shortage of rain	2,296	*	*	*	*	-	-	-
Too much rain	10,426	*	538	*	*	-	-	-
Wild animals	*	*	*	-	-	*	-	*
Birds	38,266	5,713	1,350	*	*	*	-	*
Hailstone	12,449	1,754	*	*	-	*	*	*
Pests	*	*	*	*	-	*	-	*
Weeds	20,537	1,324	205	*	*	*	*	*
Others	37,021	5,160	1,303	*	*	*	*	*

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	66,253	9,639	*	188	-	*	*	4,673
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	6,574	*	*	*	-	*	*	*
Locust	*	*	*	-	-	-	-	-
Shortage of rain	*	*	-	-	-	-	-	*
Too much rain	37,642	3,635	*	*	-	*	*	2,429
Wild animals	*	*	*	*	-	-	-	*
Birds	2,653	68	*	-	-	*	-	*
Hailstone	27,751	4,592	*	*	-	*	*	1,612
Pests	*	*	*	-	-	-	-	*
Weeds	19,224	*	56	*	-	*	*	*
Others	8,098	268	*	*	-	-	*	130

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	149,104	40,332	17,883	9,591	610	*	*	750
Crop disease	*	*	*	*	-	-	-	-
Frost or floods	103,059	26,804	12,904	6,370	*	*	*	*
Locust	15,389	1,464	446	460	*	*	-	*
Shortage of rain	2,606	*	*	*	*	-	-	-
Too much rain	15,411	393	*	*	*	-	-	*
Wild animals	2,058	*	*	*	-	-	-	*
Birds	17,201	1,518	605	318	-	*	-	*
Hailstone	9,478	726	329	*	-	-	*	-
Pests	18,074	*	*	*	-	-	-	*
Weeds	17,845	1,015	383	*	-	-	*	*
Others	48,739	4,473	1,926	751	*	*	*	*

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	96,822	9,573	2,478	876	*	495	*	2,481
Crop disease	*	*	*	-	-	-	-	-
Frost or floods	19,669	966	177	*	-	*	-	279
Locust	-	-	-	-	-	-	-	-
Shortage of rain	*	*	*	-	-	-	-	*
Too much rain	34,292	2,666	640	*	-	75	*	*
Wild animals	*	*	*	-	-	-	*	*
Birds	23,830	1,543	618	*	-	*	*	*
Hailstone	7,142	*	*	*	-	*	*	*
Pests	*	*	-	-	-	-	-	*
Weeds	17,682	1,033	*	*	-	*	*	*
Others	36,043	2,455	506	*	*	*	*	681

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	109,154	17,905	5,522	1,574	1,113	529	741	4,420
Crop disease	*	*	*	-	*	-	-	-
Frost or floods	42,224	3,824	1,392	265	115	32	201	957
Locust	5,536	294	*	9	*	*	*	95
Shortage of rain	5,857	244	83	*	47	*	*	40
Too much rain	34,875	4,088	1,067	280	225	154	196	1,294
Wild animals	1,710	71	46	*	-	-	-	*
Birds	12,123	735	313	39	53	29	16	118
Hailstone	15,615	1,559	622	415	*	12	8	411
Pests	5,143	301	189	11	*	*	-	86
Weeds	16,622	1,064	194	132	157	94	55	236
Others	52,736	5,723	1,582	417	494	189	240	1,180



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	54,926	15,241	6,422	694	3,519	259	256	92
Crop disease	186	22	-	-	22	-	-	-
Frost or floods	12,183	1,312	438	59	248	87	42	30
Locust	3,603	669	360	29	109	-	*	2
Shortage of rain	5,395	250	90	27	88	*	*	-
Too much rain	7,458	849	364	15	114	*	51	22
Wild animals	2,678	163	38	10	99	-	-	-
Birds	11,766	1,610	543	72	299	19	12	1
Hailstone	908	87	72	-	15	-	-	-
Pests	9,326	1,817	1,042	-	368	*	*	-
Weeds	12,404	1,826	657	386	193	15	45	15
Others	28,542	6,638	2,818	96	1,964	79	66	23

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	199,846	40,532	22,849	2,419	3,052	*	*	80
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	71,548	17,476	8,342	*	*	*	*	*
Locust	*	*	*	-	*	-	-	-
Shortage of rain	*	*	*	-	-	*	-	-
Too much rain	23,729	1,981	1,424	*	-	-	*	-
Wild animals	1,673	*	*	*	-	-	-	-
Birds	34,539	3,849	2,440	*	-	-	*	*
Hailstone	32,207	4,998	*	*	*	*	-	-
Pests	18,284	2,460	1,748	*	*	-	*	-
Weeds	22,534	2,148	1,421	*	*	*	*	*
Others	72,021	7,324	4,137	*	*	*	171	*

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	60,944	19,511	4,827	*	*	*	43	829
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	*	*	*	*	-	-	-	*
Locust	*	*	*	-	-	-	-	*
Shortage of rain	*	*	-	*	-	-	-	-
Too much rain	1,787	77	*	*	-	-	9	*
Wild animals	4,940	*	*	-	-	-	-	-
Birds	3,975	255	*	*	-	-	-	-
Hailstone	38,815	14,441	3,493	-	*	-	6	480
Pests	*	*	*	-	-	-	*	*
Weeds	10,110	*	*	*	-	-	27	*
Others	9,588	1,582	*	*	*	*	1	*

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

**Shinelle**

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	2,370	366	41	-	-	-	33	6
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	166	11	-	-	-	-	-	*
Locust	-	-	-	-	-	-	-	-
Shortage of rain	-	-	-	-	-	-	-	-
Too much rain	672	27	2	-	-	-	6	*
Wild animals	17	*	-	-	-	-	-	-
Birds	53	2	*	-	-	-	-	-
Hailstone	1,156	163	9	-	-	-	6	-
Pests	55	4	-	-	-	-	*	-
Weeds	1,270	145	28	-	-	-	20	5
Others	248	14	1	-	-	-	1	*

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	53,444	18,755	4,767	-	*	-	*	823
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	*	*	*	-	-	-	-	*
Locust	*	*	*	-	-	-	-	*
Shortage of rain	-	-	-	-	-	-	-	-
Too much rain	*	*	*	-	-	-	*	-
Wild animals	4,484	*	*	-	-	-	-	-
Birds	3,022	*	*	-	-	-	-	-
Hailstone	37,412	14,262	3,484	-	*	-	-	480
Pests	*	*	*	-	-	-	-	*
Weeds	7,760	*	*	-	-	-	*	*
Others	8,137	1,413	*	-	*	-	-	*

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	5,131	391	*	*	-	*	-	-
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	*	*	-	*	-	-	-	-
Locust	-	-	-	-	-	-	-	-
Shortage of rain	*	*	-	*	-	-	-	-
Too much rain	*	*	-	*	-	-	-	-
Wild animals	*	*	-	-	-	-	-	-
Birds	*	*	-	*	-	-	-	-
Hailstone	*	*	-	-	-	-	-	-
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	113,790	22,454	6,364	2,246	4,481	946	719	2,099
Crop disease	*	*	*	*	*	-	-	31
Frost or floods	27,073	2,658	520	321	619	*	56	426
Locust	6,813	947	207	13	284	*	*	*
Shortage of rain	3,139	79	*	-	22	-	*	*
Too much rain	21,404	1,477	549	129	450	14	21	56
Wild animals	3,156	123	2	21	14	*	*	11
Birds	51,656	8,416	2,425	987	1,227	*	361	703
Hailstone	4,661	630	155	201	*	*	*	9
Pests	6,669	1,075	447	*	*	*	*	31
Weeds	30,989	2,114	662	122	474	*	112	211
Others	52,970	4,791	1,357	379	994	180	76	483

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	33,799	8,616	2,618	601	1,113	708	*	994
Crop disease	*	*	*	*	*	-	-	*
Frost or floods	6,143	1,096	193	*	*	*	*	*
Locust	*	*	*	*	*	*	*	*
Shortage of rain	1,265	*	*	-	*	-	-	*
Too much rain	1,772	207	*	*	*	*	-	*
Wild animals	384	*	-	*	*	*	-	-
Birds	12,122	2,832	846	*	118	*	*	*
Hailstone	*	*	*	-	*	-	-	-
Pests	4,313	*	*	*	*	-	*	*
Weeds	5,560	750	*	*	140	*	*	*
Others	19,537	1,929	662	*	370	56	*	*

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	61,899	9,394	2,118	1,095	2,218	139	303	944
Crop disease	81	23	-	-	-	-	-	23
Frost or floods	15,661	1,124	158	120	417	-	36	197
Locust	5,019	313	105	11	142	12	-	15
Shortage of rain	1,810	22	*	-	21	-	*	*
Too much rain	16,195	776	155	78	272	7	21	42
Wild animals	2,510	44	2	16	10	1	*	11
Birds	27,812	3,169	830	329	502	15	144	232
Hailstone	3,877	406	90	201	50	-	*	9
Pests	1,793	84	42	-	8	1	9	21
Weeds	23,044	1,152	293	111	295	24	61	119
Others	28,079	2,282	443	227	500	78	34	275

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	18,093	4,444	1,628	551	1,150	*	90	162
Crop disease	*	*	*	-	*	-	-	-
Frost or floods	5,269	438	170	*	*	*	*	*
Locust	*	*	-	-	*	-	-	-
Shortage of rain	*	*	-	-	-	-	-	-
Too much rain	3,437	*	*	*	*	*	*	*
Wild animals	*	*	-	*	*	-	-	-
Birds	11,723	2,416	749	*	607	*	*	*
Hailstone	*	*	*	-	*	*	-	-
Pests	563	*	*	*	*	*	*	-
Weeds	2,385	212	86	*	*	*	*	*
Others	5,355	580	251	*	124	*	*	30

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	1,747,926	168,608	58,552	13,271	1,043	3,134	5,251	19,495
Crop disease	1,189	*	*	*	-	-	-	*
Frost or floods	511,083	35,102	15,525	2,534	378	1,234	930	2,251
Locust	83,105	4,056	1,108	431	*	*	260	536
Shortage of rain	60,289	1,416	385	*	*	50	64	146
Too much rain	703,139	23,201	5,612	1,917	122	624	632	6,915
Wild animals	42,177	1,191	336	65	*	*	70	149
Birds	212,391	11,225	4,282	1,340	*	124	266	1,149
Hailstone	287,775	38,601	10,499	2,814	*	255	1,151	2,689
Pests	116,553	9,879	5,180	492	*	*	173	696
Weeds	263,637	9,454	3,032	721	*	136	378	1,499
Others	628,477	34,452	12,590	2,913	160	402	1,327	3,449

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	209,042	16,823	7,610	*	*	*	231	766
Crop disease	*	*	*	-	-	-	-	-
Frost or floods	76,174	5,423	2,480	*	*	*	*	79
Locust	21,355	514	100	*	*	*	*	*
Shortage of rain	*	*	-	-	-	-	*	-
Too much rain	104,691	3,042	1,121	*	16	*	30	285
Wild animals	5,521	*	*	-	-	*	*	*
Birds	27,606	1,230	611	*	*	*	*	*
Hailstone	18,665	696	*	*	-	*	-	*
Pests	19,756	1,818	1,261	-	-	*	*	*
Weeds	23,552	386	218	*	-	-	*	*
Others	96,029	3,609	1,296	*	*	*	127	313

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	160,357	18,658	9,355	498	*	*	258	1,430
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	71,944	5,440	2,896	*	*	*	*	272
Locust	13,384	*	*	*	-	*	*	*
Shortage of rain	22,927	*	*	*	-	*	*	*
Too much rain	39,220	1,112	*	*	*	*	-	*
Wild animals	3,955	*	*	-	-	-	-	*
Birds	16,954	220	76	-	*	*	-	*
Hailstone	15,846	*	*	*	-	*	*	*
Pests	22,963	2,403	1,535	*	*	*	*	40
Weeds	29,612	1,056	399	*	-	*	*	*
Others	90,063	6,017	2,968	*	-	*	*	517

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	74,222	4,828	1,874	169	*	*	290	441
Crop disease	*	*	-	*	-	-	-	-
Frost or floods	18,656	828	314	*	*	*	*	57
Locust	*	*	*	-	-	*	-	*
Shortage of rain	13,540	312	53	*	*	*	*	*
Too much rain	19,207	435	183	*	*	*	*	*
Wild animals	2,937	*	*	*	*	-	*	*
Birds	3,524	56	*	-	-	*	*	*
Hailstone	4,682	*	*	-	-	-	18	*
Pests	5,138	423	*	*	*	-	*	*
Weeds	5,088	239	64	*	*	*	*	*
Others	38,472	2,313	974	42	*	*	146	135

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	300,216	15,521	3,734	2,623	-	*	*	3,677
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	45,003	1,261	457	*	-	*	*	*
Locust	*	*	*	*	-	*	-	*
Shortage of rain	*	*	-	*	-	-	-	*
Too much rain	139,396	3,858	425	*	-	*	*	1,498
Wild animals	-	-	-	-	-	-	-	-
Birds	22,236	*	*	*	-	*	-	214
Hailstone	*	*	*	*	-	*	*	*
Pests	*	*	*	*	-	-	-	*
Weeds	43,394	*	*	*	-	*	*	307
Others	120,832	5,306	1,570	476	-	*	*	858

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	101,173	7,061	531	*	-	202	*	4,635
Crop disease	*	*	-	-	-	-	-	*
Frost or floods	11,700	226	34	*	-	*	*	*
Locust	*	*	*	-	-	*	*	*
Shortage of rain	*	*	-	-	-	-	-	*
Too much rain	77,789	4,787	*	*	-	*	*	3,529
Wild animals	*	*	-	-	-	-	-	*
Birds	2,215	*	*	*	-	-	*	*
Hailstone	721	*	-	-	-	-	*	*
Pests	*	*	-	*	-	-	-	*
Weeds	33,548	919	*	*	-	*	*	516
Others	19,812	595	48	*	-	*	-	248

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	170,267	12,935	2,033	1,009	-	46	1,091	840
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	42,564	1,211	123	112	-	2	235	67
Locust	13,125	720	141	75	-	-	152	93
Shortage of rain	4,881	184	9	3	-	-	12	10
Too much rain	53,628	882	70	10	-	9	55	93
Wild animals	6,474	69	*	10	-	3	11	6
Birds	17,595	681	35	62	-	3	66	111
Hailstone	58,003	6,144	974	542	-	21	263	237
Pests	16,080	846	270	134	-	-	3	15
Weeds	19,998	388	72	24	-	*	77	7
Others	46,220	1,811	339	35	-	7	217	202

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	57,162	9,647	1,837	776	*	*	*	169
Crop disease	*	*	-	-	-	-	-	*
Frost or floods	14,667	1,132	*	*	*	*	*	*
Locust	-	-	-	-	-	-	-	-
Shortage of rain	*	*	*	-	-	-	-	-
Too much rain	16,943	626	206	70	-	*	*	*
Wild animals	1,086	*	*	-	-	-	-	*
Birds	6,737	649	71	*	*	*	*	*
Hailstone	21,876	5,930	958	*	*	-	*	*
Pests	*	*	*	-	*	-	-	*
Weeds	10,946	704	73	*	*	-	*	*
Others	5,439	380	77	*	*	*	*	*

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	19,035	1,906	489	151	*	29	88	644
Crop disease	*	*	-	-	-	-	-	-
Frost or floods	6,434	478	96	*	-	*	*	*
Locust	*	*	*	*	-	-	-	*
Shortage of rain	*	*	*	-	-	-	*	-
Too much rain	8,278	508	*	*	-	*	*	364
Wild animals	*	*	*	*	-	-	*	*
Birds	3,819	*	*	*	-	*	23	*
Hailstone	*	*	*	-	-	-	-	*
Pests	556	*	*	*	-	*	*	-
Weeds	*	11	*	*	-	*	-	*
Others	6,299	399	137	*	*	*	*	58

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	127,222	18,086	6,325	3,088	*	*	588	1,703
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	65,737	5,284	1,826	673	*	*	101	591
Locust	*	*	*	*	-	-	*	*
Shortage of rain	3,475	87	*	*	*	*	*	*
Too much rain	59,801	2,481	817	371	*	*	*	267
Wild animals	3,595	185	*	*	*	*	*	*
Birds	43,548	3,617	1,658	614	-	*	*	237
Hailstone	3,546	*	*	*	-	*	*	*
Pests	4,958	*	*	*	-	-	*	*
Weeds	11,488	231	85	54	*	*	*	*
Others	52,402	5,334	1,531	1,152	*	*	*	514

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	167,225	19,271	5,826	746	29	51	833	2,123
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	41,076	2,272	1,073	156	*	8	156	147
Locust	691	38	*	-	-	-	*	3
Shortage of rain	2,858	62	7	-	-	-	26	-
Too much rain	64,567	1,684	589	200	14	*	115	128
Wild animals	6,599	194	19	21	-	-	26	36
Birds	13,564	1,561	769	1	-	3	47	100
Hailstone	61,514	8,796	1,770	185	-	40	138	1,153
Pests	5,597	728	232	7	*	-	8	324
Weeds	37,854	2,118	670	152	*	-	216	122
Others	40,254	1,818	684	23	*	-	101	109

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	62,723	4,062	1,808	371	59	47	187	748
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	14,728	1,201	780	24	24	4	2	216
Locust	-	-	-	-	-	-	-	-
Shortage of rain	1,056	7	5	*	-	-	*	1
Too much rain	22,777	698	260	21	32	15	18	143
Wild animals	872	34	16	5	-	-	-	-
Birds	15,304	523	157	73	-	-	18	156
Hailstone	1,104	159	80	35	-	-	-	11
Pests	1,322	78	12	47	-	-	-	5
Weeds	2,930	32	18	*	-	*	*	6
Others	22,653	1,330	480	165	3	28	149	211

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	10,217	1,131	571	88	*	*	*	50
Crop disease	*	*	-	-	-	-	-	-
Frost or floods	3,798	395	196	45	*	-	*	*
Locust	*	*	*	-	-	-	-	*
Shortage of rain	-	-	-	-	-	-	-	-
Too much rain	5,896	199	101	19	*	*	*	17
Wild animals	180	*	*	-	-	-	-	-
Birds	764	21	10	*	*	-	*	*
Hailstone	536	*	*	-	-	-	*	*
Pests	711	*	*	*	-	*	-	*
Weeds	1,095	*	*	-	-	*	-	*
Others	4,737	404	212	10	*	*	*	11

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	15,392	2,105	882	108	-	16	74	185
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	1,973	75	33	1	-	*	-	*
Locust	-	-	-	-	-	-	-	-
Shortage of rain	*	*	-	-	-	-	-	-
Too much rain	5,519	235	81	34	-	*	*	51
Wild animals	-	-	-	-	-	-	-	-
Birds	1,529	47	10	*	-	*	-	13
Hailstone	9,637	1,662	733	56	-	*	71	112
Pests	-	-	-	-	-	-	-	-
Weeds	783	*	*	*	-	-	*	*
Others	1,348	41	*	8	-	-	-	-



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	5,704	1,020	325	224	-	*	*	*
Crop disease	*	*	*	-	-	-	-	-
Frost or floods	617	65	*	*	-	*	-	*
Locust	-	-	-	-	-	-	-	-
Shortage of rain	*	*	-	-	-	-	-	-
Too much rain	682	19	*	*	-	-	-	*
Wild animals	*	*	*	*	-	*	-	-
Birds	*	*	*	-	-	-	-	*
Hailstone	4,006	862	285	198	-	-	*	*
Pests	*	*	*	*	-	-	-	-
Weeds	559	*	*	*	-	-	-	*
Others	769	50	8	*	-	*	-	*

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	28,201	7,047	2,034	385	-	-	*	500
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	*	*	*	-	-	-	-	*
Locust	-	-	-	-	-	-	-	-
Shortage of rain	-	-	-	-	-	-	-	-
Too much rain	3,568	*	*	*	-	-	-	*
Wild animals	*	*	*	-	-	-	-	*
Birds	*	*	-	-	-	-	-	-
Hailstone	21,193	5,912	1,743	371	-	-	-	*
Pests	*	*	-	-	-	-	-	-
Weeds	5,723	*	*	*	-	-	*	*
Others	1,316	*	*	-	-	-	-	-

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	18,787	3,244	1,146	254	-	*	195	190
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	4,524	567	269	37	-	*	84	*
Locust	-	-	-	-	-	-	-	-
Shortage of rain	-	-	-	-	-	-	-	-
Too much rain	2,988	*	*	*	-	*	*	*
Wild animals	*	*	*	-	-	-	-	-
Birds	*	*	*	-	-	-	-	-
Hailstone	12,418	1,812	524	175	-	*	*	104
Pests	*	*	*	-	-	-	-	*
Weeds	3,728	439	138	*	-	-	-	*
Others	1,292	117	*	-	-	-	*	*

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	52,959	4,346	1,303	353	*	85	203	637
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	15,097	1,076	319	*	*	*	*	101
Locust	*	*	-	-	*	-	*	*
Shortage of rain	*	*	*	-	-	-	*	*
Too much rain	35,047	1,003	242	134	*	39	51	131
Wild animals	*	*	*	-	-	-	*	*
Birds	9,654	517	200	*	*	*	17	73
Hailstone	2,924	236	91	*	-	-	*	*
Pests	2,501	170	*	*	*	-	*	-
Weeds	5,538	*	*	*	-	*	*	*
Others	16,826	1,027	238	*	-	*	*	121

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	8,686	767	428	35	*	10	44	38
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	4,788	294	128	11	*	*	25	16
Locust	*	*	*	-	-	-	-	-
Shortage of rain	1,160	19	10	-	-	-	2	1
Too much rain	4,080	113	60	4	*	5	5	14
Wild animals	798	10	4	*	-	*	*	1
Birds	1,005	71	47	*	-	*	*	*
Hailstone	976	65	41	*	*	*	3	*
Pests	329	33	33	-	-	-	-	-
Weeds	1,944	65	40	8	*	*	*	*
Others	2,304	95	63	2	*	-	*	5

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	16,003	1,963	553	173	*	5	96	360
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	6,860	736	246	58	*	2	41	79
Locust	205	5	*	*	-	-	*	-
Shortage of rain	104	4	-	-	-	-	-	4
Too much rain	11,486	356	94	57	-	2	24	51
Wild animals	392	12	*	-	-	-	1	2
Birds	4,895	397	123	35	-	-	20	65
Hailstone	722	80	23	-	-	-	*	40
Pests	684	75	15	8	-	-	-	*
Weeds	1,274	101	20	*	-	-	*	25
Others	2,625	198	27	14	-	-	10	80

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

**Silitie**

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	116,798	14,701	7,589	833	367	*	*	*
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	60,229	6,910	3,698	*	*	*	*	*
Locust	*	*	*	*	*	*	-	-
Shortage of rain	*	*	*	*	-	-	-	-
Too much rain	24,661	680	318	*	*	*	-	*
Wild animals	4,516	52	7	-	-	-	-	-
Birds	16,253	355	122	*	*	*	-	-
Hailstone	25,084	1,377	943	*	*	*	*	*
Pests	21,570	1,903	966	*	*	*	*	*
Weeds	19,780	304	136	*	*	*	*	*
Others	45,898	2,480	1,203	*	*	*	*	*

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	26,535	3,486	2,299	261	*	95	*	50
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	3,752	197	90	*	*	*	-	*
Locust	*	*	*	*	-	-	-	-
Shortage of rain	*	*	*	*	-	*	-	-
Too much rain	2,915	*	74	*	-	-	*	*
Wild animals	*	*	*	*	-	-	-	-
Birds	4,916	221	178	*	-	-	*	*
Hailstone	9,041	1,093	786	*	-	*	*	*
Pests	4,643	520	336	*	-	*	*	*
Weeds	3,567	129	95	*	-	*	*	-
Others	12,885	1,012	652	73	*	*	*	*

Table 3.8 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	12,164	1,611	357	*	71	*	*	400
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	1,382	51	*	-	*	-	-	10
Locust	*	*	*	-	-	-	-	*
Shortage of rain	328	*	*	-	*	-	-	*
Too much rain	2,836	177	*	*	7	-	*	32
Wild animals	*	*	-	-	-	-	-	-
Birds	1,397	179	62	*	*	-	*	22
Hailstone	3,761	254	48	*	*	-	*	107
Pests	1,332	55	*	-	-	-	*	*
Weeds	5,554	486	115	-	*	*	*	125
Others	3,903	382	76	*	*	-	*	88

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

**Addis Abeba**

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	3,121	544	186	151	-	*	*	*
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	1,888	288	76	74	-	*	*	*
Locust	199	*	*	*	-	-	*	-
Shortage of rain	116	*	*	*	-	*	-	-
Too much rain	*	*	-	-	-	-	*	-
Wild animals	*	*	-	-	-	-	-	-
Birds	555	80	44	20	-	-	*	-
Hailstone	*	*	*	-	-	-	-	-
Pests	289	46	*	*	-	-	-	-
Weeds	152	*	*	-	-	-	-	-
Others	829	84	33	32	-	*	-	-

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	12,337	1,818	220	72	*	*	*	132
Crop disease	*	*	*	-	-	-	-	-
Frost or floods	1,249	38	*	*	-	-	*	*
Locust	*	*	-	-	-	-	-	-
Shortage of rain	*	*	*	*	-	-	-	-
Too much rain	2,061	68	15	*	-	-	*	*
Wild animals	*	*	*	-	-	-	-	*
Birds	313	*	*	-	-	-	-	*
Hailstone	6,274	836	101	*	*	*	*	*
Pests	1,594	155	*	*	*	-	-	*
Weeds	5,734	481	84	*	*	*	*	28
Others	2,444	209	*	*	-	-	*	*

Table 4. Number of Holders by Type of Farm practice

<b>Ethiopia</b>	
Farm Practice	Number of Holders Reporting
Crop rotation	9,846,199
<b>Use of services</b>	
Credit	3,396,118
Advisory	6,110,356
<b>Reasons for not using credit service</b>	
Service unavailable	2,312,150
Failure to pay the loan	3,292,628
Inadequate service	1,985,053
Ignorance	376,918
No return	217,165
Others	840,389
<b>Reasons for not using advisory service</b>	
Service unavailable	2,246,076
Inadequate service	2,305,459
Ignorance	1,108,742
No return	202,036
Others	446,653
<b>Supplier of fertilizers</b>	
Government	2,269,644
Private organizations	308,010
Traders	1,169,542
Others	1,009,627

Table 4.1 Number of Holders by Type of Farm practice

<b>Tigray Region</b>	
Farm Practice	Number of Holders Reporting
Crop rotation	716,408
<b>Use of services</b>	
Credit	301,116
Advisory	622,694
<b>Reasons for not using credit service</b>	
Service unavailable	18,660
Failure to pay the loan	271,212
Inadequate service	29,795
Ignorance	18,754
No return	11,505
Others	102,491
<b>Reasons for not using advisory service</b>	
Service unavailable	33,163
Inadequate service	19,252
Ignorance	37,452
No return	9,327
Others	35,669
<b>Supplier of fertilizers</b>	
Government	194,228
Private organizations	62,244
Traders	11,726
Others	8,872

Table 4.1.1 Number of Holders by Type of Farm practice

**North West Tigray**

Farm Practice	Number of Holders Reporting
Crop rotation	129,872
<b>Use of services</b>	
Credit	65,018
Advisory	109,747
<b>Reasons for not using credit service</b>	
Service unavailable	*
Failure to pay the loan	50,039
Inadequate service	*
Ignorance	*
No return	*
Others	8,265
<b>Reasons for not using advisory service</b>	
Service unavailable	8,759
Inadequate service	3,480
Ignorance	7,799
No return	*
Others	*
<b>Supplier of fertilizers</b>	
Government	32,865
Private organizations	33,661
Traders	4,287
Others	*

Table 4.1.2 Number of Holders by Type of Farm practice

**Central Tigray**

Farm Practice	Number of Holders Reporting
Crop rotation	206,818
<b>Use of services</b>	
Credit	84,635
Advisory	171,074
<b>Reasons for not using credit service</b>	
Service unavailable	*
Failure to pay the loan	91,897
Inadequate service	3,390
Ignorance	6,681
No return	2,480
Others	25,815
<b>Reasons for not using advisory service</b>	
Service unavailable	*
Inadequate service	5,614
Ignorance	16,209
No return	2,979
Others	11,458
<b>Supplier of fertilizers</b>	
Government	86,448
Private organizations	*
Traders	2,448
Others	6,369

Table 4.1.3 Number of Holders by Type of Farm practice

<b>East Tigray</b>	
Farm Practice	Number of Holders Reporting
Crop rotation	115,560
<b>Use of services</b>	
Credit	46,403
Advisory	106,867
<b>Reasons for not using credit service</b>	
Service unavailable	*
Failure to pay the loan	46,690
Inadequate service	3,475
Ignorance	750
No return	*
Others	24,675
<b>Reasons for not using advisory service</b>	
Service unavailable	1,796
Inadequate service	2,370
Ignorance	3,608
No return	*
Others	7,779
<b>Supplier of fertilizers</b>	
Government	43,854
Private organizations	*
Traders	4,101
Others	*

Table 4.1.4 Number of Holders by Type of Farm practice

<b>South Tigray</b>	
Farm Practice	Number of Holders Reporting
Crop rotation	195,956
<b>Use of services</b>	
Credit	88,513
Advisory	177,228
<b>Reasons for not using credit service</b>	
Service unavailable	*
Failure to pay the loan	63,919
Inadequate service	1,379
Ignorance	*
No return	4,872
Others	40,138
<b>Reasons for not using advisory service</b>	
Service unavailable	*
Inadequate service	3,780
Ignorance	7,476
No return	2,005
Others	11,090
<b>Supplier of fertilizers</b>	
Government	25,902
Private organizations	20,999
Traders	*
Others	*

Table 4.1.5 Number of Holders by Type of Farm practice

**Western Tigray**

Farm Practice	Number of Holders Reporting
Crop rotation	68,202
<b>Use of services</b>	
Credit	16,546
Advisory	57,778
<b>Reasons for not using credit service</b>	
Service unavailable	10,997
Failure to pay the loan	18,667
Inadequate service	16,313
Ignorance	3,740
No return	1,362
Others	3,598
<b>Reasons for not using advisory service</b>	
Service unavailable	5,652
Inadequate service	4,008
Ignorance	2,360
No return	859
Others	893
<b>Supplier of fertilizers</b>	
Government	5,160
Private organizations	1,200
Traders	-
Others	94

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

**Afar Region**

Farm Practice	Number of Holders Reporting
Crop rotation	4,866
<b>Use of services</b>	
Credit	*
Advisory	1,156
<b>Reasons for not using credit service</b>	
Service unavailable	26,588
Failure to pay the loan	774
Inadequate service	1,398
Ignorance	*
No return	-
Others	*
<b>Reasons for not using advisory service</b>	
Service unavailable	25,033
Inadequate service	1,908
Ignorance	2,174
No return	*
Others	*
<b>Supplier of fertilizers</b>	
Government	1,746
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	186
<b>Use of services</b>	
Credit	*
Advisory	*
<b>Reasons for not using credit service</b>	
Service unavailable	9,593
Failure to pay the loan	*
Inadequate service	764
Ignorance	*
No return	-
Others	*
<b>Reasons for not using advisory service</b>	
Service unavailable	8,288
Inadequate service	1,539
Ignorance	1,996
No return	*
Others	*
<b>Supplier of fertilizers</b>	
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	4,680
<b>Use of services</b>	
Credit	-
Advisory	928
<b>Reasons for not using credit service</b>	
Service unavailable	16,995
Failure to pay the loan	*
Inadequate service	*
Ignorance	*
No return	-
Others	*
<b>Reasons for not using advisory service</b>	
Service unavailable	16,744
Inadequate service	*
Ignorance	177
No return	*
Others	*
<b>Supplier of fertilizers</b>	
Government	1,746
Private organizations	*
Traders	*
Others	-

Table 4.3 Number of Holders by Type of Farm practice

<b>Amhara Region</b>	
Farm Practice	Number of Holders Reporting
Crop rotation	3,051,497
<b>Use of services</b>	
Credit	1,203,383
Advisory	2,344,110
<b>Reasons for not using credit service</b>	
Service unavailable	119,208
Failure to pay the loan	1,265,331
Inadequate service	217,675
Ignorance	133,982
No return	100,742
Others	320,808
<b>Reasons for not using advisory service</b>	
Service unavailable	265,349
Inadequate service	215,594
Ignorance	341,540
No return	47,975
Others	147,485
<b>Supplier of fertilizers</b>	
Government	585,314
Private organizations	106,195
Traders	134,865
Others	436,457

Table 4.3.1 Number of Holders by Type of Farm practice

<b>North Gondar</b>	
Farm Practice	Number of Holders Reporting
Crop rotation	449,024
<b>Use of services</b>	
Credit	119,194
Advisory	268,792
<b>Reasons for not using credit service</b>	
Service unavailable	45,687
Failure to pay the loan	158,251
Inadequate service	88,453
Ignorance	24,633
No return	14,594
Others	35,353
<b>Reasons for not using advisory service</b>	
Service unavailable	63,347
Inadequate service	53,218
Ignorance	79,877
No return	7,396
Others	12,568
<b>Supplier of fertilizers</b>	
Government	115,912
Private organizations	*
Traders	17,326
Others	*

Table 4.3.2 Number of Holders by Type of Farm practice

<b>South Gonder</b>	
Farm Practice	Number of Holders Reporting
Crop rotation	391,709
<b>Use of services</b>	
Credit	121,304
Advisory	259,920
<b>Reasons for not using credit service</b>	
Service unavailable	4,085
Failure to pay the loan	218,880
Inadequate service	20,953
Ignorance	15,596
No return	7,668
Others	31,783
<b>Reasons for not using advisory service</b>	
Service unavailable	49,615
Inadequate service	33,467
Ignorance	51,872
No return	*
Others	19,359
<b>Supplier of fertilizers</b>	
Government	119,529
Private organizations	*
Traders	11,883
Others	-

Table 4.3.3 Number of Holders by Type of Farm practice

<b>North Wolo</b>	
Farm Practice	Number of Holders Reporting
Crop rotation	293,683
<b>Use of services</b>	
Credit	105,023
Advisory	256,218
<b>Reasons for not using credit service</b>	
Service unavailable	*
Failure to pay the loan	124,572
Inadequate service	17,397
Ignorance	3,833
No return	10,935
Others	44,170
<b>Reasons for not using advisory service</b>	
Service unavailable	14,941
Inadequate service	8,448
Ignorance	18,375
No return	*
Others	13,117
<b>Supplier of fertilizers</b>	
Government	19,121
Private organizations	*
Traders	6,573
Others	*

Table 4.3.4 Number of Holders by Type of Farm practice

<b>South Wolo</b>	
Farm Practice	Number of Holders Reporting
Crop rotation	485,309
<b>Use of services</b>	
Credit	181,097
Advisory	417,837
<b>Reasons for not using credit service</b>	
Service unavailable	*
Failure to pay the loan	208,400
Inadequate service	34,461
Ignorance	5,586
No return	22,809
Others	58,837
<b>Reasons for not using advisory service</b>	
Service unavailable	*
Inadequate service	18,314
Ignorance	34,984
No return	9,197
Others	13,815
<b>Supplier of fertilizers</b>	
Government	114,512
Private organizations	-
Traders	*
Others	*

Table 4.3.5 Number of Holders by Type of Farm practice

<b>North Shewa</b>	
Farm Practice	Number of Holders Reporting
Crop rotation	362,837
<b>Use of services</b>	
Credit	128,865
Advisory	265,651
<b>Reasons for not using credit service</b>	
Service unavailable	18,818
Failure to pay the loan	182,991
Inadequate service	9,682
Ignorance	26,497
No return	12,776
Others	53,604
<b>Reasons for not using advisory service</b>	
Service unavailable	53,862
Inadequate service	25,693
Ignorance	53,490
No return	5,661
Others	27,548
<b>Supplier of fertilizers</b>	
Government	78,677
Private organizations	31,403
Traders	43,687
Others	*

Table 4.3.6 Number of Holders by Type of Farm practice

<b>East Gojjam</b>	
Farm Practice	Number of Holders Reporting
Crop rotation	397,083
<b>Use of services</b>	
Credit	211,117
Advisory	295,160
<b>Reasons for not using credit service</b>	
Service unavailable	*
Failure to pay the loan	136,784
Inadequate service	*
Ignorance	22,183
No return	7,982
Others	35,310
<b>Reasons for not using advisory service</b>	
Service unavailable	29,128
Inadequate service	29,420
Ignorance	48,858
No return	*
Others	33,198
<b>Supplier of fertilizers</b>	
Government	85,436
Private organizations	18,556
Traders	23,067
Others	134,606

Table 4.3.7 Number of Holders by Type of Farm practice

<b>West Gojjam</b>	
Farm Practice	Number of Holders Reporting
Crop rotation	371,693
<b>Use of services</b>	
Credit	222,999
Advisory	328,430
<b>Reasons for not using credit service</b>	
Service unavailable	2,546
Failure to pay the loan	110,900
Inadequate service	9,630
Ignorance	16,754
No return	11,873
Others	29,249
<b>Reasons for not using advisory service</b>	
Service unavailable	*
Inadequate service	28,287
Ignorance	21,475
No return	*
Others	17,077
<b>Supplier of fertilizers</b>	
Government	37,357
Private organizations	36,938
Traders	20,875
Others	202,422

Table 4.3.8 Number of Holders by Type of Farm practice

<b>Waghamera</b>	
Farm Practice	Number of Holders Reporting
Crop rotation	80,207
<b>Use of services</b>	
Credit	23,739
Advisory	54,729
<b>Reasons for not using credit service</b>	
Service unavailable	*
Failure to pay the loan	39,239
Inadequate service	5,135
Ignorance	*
No return	2,411
Others	5,185
<b>Reasons for not using advisory service</b>	
Service unavailable	11,638
Inadequate service	5,666
Ignorance	7,631
No return	*
Others	1,832
<b>Supplier of fertilizers</b>	
Government	*
Private organizations	-
Traders	*
Others	-

Table 4.3.9 Number of Holders by Type of Farm practice

<b>Awi</b>	
Farm Practice	Number of Holders Reporting
Crop rotation	163,800
<b>Use of services</b>	
Credit	73,086
Advisory	153,215
<b>Reasons for not using credit service</b>	
Service unavailable	*
Failure to pay the loan	57,313
Inadequate service	5,291
Ignorance	9,988
No return	2,601
Others	18,158
<b>Reasons for not using advisory service</b>	
Service unavailable	1,238
Inadequate service	5,597
Ignorance	13,897
No return	1,146
Others	5,654
<b>Supplier of fertilizers</b>	
Government	14,182
Private organizations	13,608
Traders	9,518
Others	72,214

Table 4.3.10 Number of Holders by Type of Farm practice

<b>Oromia Zone</b>	
Farm Practice	Number of Holders Reporting
Crop rotation	56,153
<b>Use of services</b>	
Credit	16,960
Advisory	44,157
<b>Reasons for not using credit service</b>	
Service unavailable	*
Failure to pay the loan	27,999
Inadequate service	8,923
Ignorance	5,949
No return	7,094
Others	9,160
<b>Reasons for not using advisory service</b>	
Service unavailable	8,701
Inadequate service	7,483
Ignorance	11,082
No return	4,983
Others	3,316
<b>Supplier of fertilizers</b>	
Government	*
Private organizations	*
Traders	*
Others	-

Table 4.4 Number of Holders by Type of Farm practice

<b>Oromia Region</b>	
Farm Practice	Number of Holders Reporting
Crop rotation	4,064,448
<b>Use of services</b>	
Credit	1,490,556
Advisory	2,209,008
<b>Reasons for not using credit service</b>	
Service unavailable	1,034,145
Failure to pay the loan	942,255
Inadequate service	1,149,468
Ignorance	126,315
No return	60,787
Others	321,499
<b>Reasons for not using advisory service</b>	
Service unavailable	1,077,068
Inadequate service	1,139,632
Ignorance	421,221
No return	70,216
Others	202,605
<b>Supplier of fertilizers</b>	
Government	1,127,233
Private organizations	120,297
Traders	455,105
Others	560,021

Table 4.4.1 Number of Holders by Type of Farm practice

<b>West Welega</b>	
Farm Practice	Number of Holders Reporting
Crop rotation	222,033
<b>Use of services</b>	
Credit	64,816
Advisory	144,332
<b>Reasons for not using credit service</b>	
Service unavailable	76,289
Failure to pay the loan	50,963
Inadequate service	27,289
Ignorance	8,377
No return	6,006
Others	8,508
<b>Reasons for not using advisory service</b>	
Service unavailable	25,393
Inadequate service	18,893
Ignorance	33,456
No return	7,439
Others	9,266
<b>Supplier of fertilizers</b>	
Government	69,132
Private organizations	*
Traders	13,823
Others	*

Table 4.4.2 Number of Holders by Type of Farm practice

<b>East Welega</b>	
Farm Practice	Number of Holders Reporting
Crop rotation	195,595
<b>Use of services</b>	
Credit	62,797
Advisory	110,780
<b>Reasons for not using credit service</b>	
Service unavailable	54,786
Failure to pay the loan	58,178
Inadequate service	13,775
Ignorance	7,303
No return	4,069
Others	10,962
<b>Reasons for not using advisory service</b>	
Service unavailable	59,072
Inadequate service	10,712
Ignorance	20,285
No return	2,910
Others	8,922
<b>Supplier of fertilizers</b>	
Government	83,614
Private organizations	*
Traders	5,753
Others	*



Table 4.4.3 Number of Holders by Type of Farm practice

<b>Illubabor</b>	
Farm Practice	Number of Holders Reporting
Crop rotation	194,868
<b>Use of services</b>	
Credit	20,789
Advisory	95,341
<b>Reasons for not using credit service</b>	
Service unavailable	93,195
Failure to pay the loan	59,296
Inadequate service	49,187
Ignorance	8,140
No return	3,073
Others	7,088
<b>Reasons for not using advisory service</b>	
Service unavailable	47,881
Inadequate service	79,479
Ignorance	8,741
No return	5,520
Others	3,624
<b>Supplier of fertilizers</b>	
Government	40,878
Private organizations	829
Traders	2,142
Others	1,608

Table 4.4.4 Number of Holders by Type of Farm practice

<b>Jimma</b>	
Farm Practice	Number of Holders Reporting
Crop rotation	477,988
<b>Use of services</b>	
Credit	161,563
Advisory	212,273
<b>Reasons for not using credit service</b>	
Service unavailable	151,064
Failure to pay the loan	72,292
Inadequate service	93,189
Ignorance	7,639
No return	*
Others	36,825
<b>Reasons for not using advisory service</b>	
Service unavailable	139,607
Inadequate service	117,849
Ignorance	30,632
No return	6,227
Others	23,806
<b>Supplier of fertilizers</b>	
Government	154,060
Private organizations	*
Traders	41,763
Others	*

Table 4.4.5 Number of Holders by Type of Farm practice

<b>West Shewa</b>	
Farm Practice	Number of Holders Reporting
Crop rotation	390,542
<b>Use of services</b>	
Credit	135,957
Advisory	168,175
<b>Reasons for not using credit service</b>	
Service unavailable	107,335
Failure to pay the loan	81,010
Inadequate service	68,808
Ignorance	14,088
No return	*
Others	20,368
<b>Reasons for not using advisory service</b>	
Service unavailable	116,579
Inadequate service	82,012
Ignorance	35,165
No return	5,951
Others	21,619
<b>Supplier of fertilizers</b>	
Government	46,321
Private organizations	17,355
Traders	38,050
Others	181,788

Table 4.4.6 Number of Holders by Type of Farm practice

<b>North Shewa</b>	
Farm Practice	Number of Holders Reporting
Crop rotation	238,358
<b>Use of services</b>	
Credit	69,728
Advisory	136,316
<b>Reasons for not using credit service</b>	
Service unavailable	25,362
Failure to pay the loan	62,663
Inadequate service	85,710
Ignorance	7,948
No return	4,626
Others	24,397
<b>Reasons for not using advisory service</b>	
Service unavailable	46,446
Inadequate service	55,060
Ignorance	25,817
No return	*
Others	10,146
<b>Supplier of fertilizers</b>	
Government	46,534
Private organizations	*
Traders	6,763
Others	44,752

Table 4.4.7 Number of Holders by Type of Farm practice

<b>East Shewa</b>	
Farm Practice	Number of Holders Reporting
Crop rotation	227,856
<b>Use of services</b>	
Credit	139,936
Advisory	106,649
<b>Reasons for not using credit service</b>	
Service unavailable	30,819
Failure to pay the loan	43,984
Inadequate service	35,567
Ignorance	4,793
No return	*
Others	8,786
<b>Reasons for not using advisory service</b>	
Service unavailable	74,329
Inadequate service	51,425
Ignorance	26,623
No return	*
Others	7,485
<b>Supplier of fertilizers</b>	
Government	109,330
Private organizations	*
Traders	21,107
Others	30,562

Table 4.4.8 Number of Holders by Type of Farm practice

<b>Arsi</b>	
Farm Practice	Number of Holders Reporting
Crop rotation	484,649
<b>Use of services</b>	
Credit	240,568
Advisory	273,000
<b>Reasons for not using credit service</b>	
Service unavailable	38,308
Failure to pay the loan	103,489
Inadequate service	92,722
Ignorance	16,603
No return	6,034
Others	30,042
<b>Reasons for not using advisory service</b>	
Service unavailable	68,395
Inadequate service	103,074
Ignorance	50,195
No return	*
Others	30,654
<b>Supplier of fertilizers</b>	
Government	177,183
Private organizations	10,465
Traders	80,800
Others	94,358

Table 4.4.9 Number of Holders by Type of Farm practice

<b>West Harerge</b>	
Farm Practice	Number of Holders Reporting
Crop rotation	227,325
<b>Use of services</b>	
Credit	68,926
Advisory	92,267
<b>Reasons for not using credit service</b>	
Service unavailable	30,424
Failure to pay the loan	24,418
Inadequate service	181,822
Ignorance	*
No return	*
Others	28,194
<b>Reasons for not using advisory service</b>	
Service unavailable	79,528
Inadequate service	142,247
Ignorance	15,100
No return	3,236
Others	4,342
<b>Supplier of fertilizers</b>	
Government	54,859
Private organizations	3,311
Traders	7,223
Others	-

Table 4.4.10 Number of Holders by Type of Farm practice

<b>East Harerge</b>	
Farm Practice	Number of Holders Reporting
Crop rotation	285,763
<b>Use of services</b>	
Credit	115,069
Advisory	172,641
<b>Reasons for not using credit service</b>	
Service unavailable	56,206
Failure to pay the loan	93,055
Inadequate service	189,008
Ignorance	*
No return	6,292
Others	49,480
<b>Reasons for not using advisory service</b>	
Service unavailable	99,353
Inadequate service	190,678
Ignorance	24,880
No return	7,449
Others	16,276
<b>Supplier of fertilizers</b>	
Government	123,596
Private organizations	25,796
Traders	59,674
Others	-

Table 4.4.11 Number of Holders by Type of Farm practice

<b>Bale</b>	
Farm Practice	Number of Holders Reporting
Crop rotation	235,451
<b>Use of services</b>	
Credit	73,610
Advisory	198,137
<b>Reasons for not using credit service</b>	
Service unavailable	48,358
Failure to pay the loan	75,374
Inadequate service	42,262
Ignorance	11,601
No return	2,673
Others	30,824
<b>Reasons for not using advisory service</b>	
Service unavailable	37,656
Inadequate service	22,936
Ignorance	20,559
No return	*
Others	6,161
<b>Supplier of fertilizers</b>	
Government	47,667
Private organizations	3,793
Traders	*
Others	55,065

Table 4.4.12 Number of Holders by Type of Farm practice

<b>Borena</b>	
Farm Practice	Number of Holders Reporting
Crop rotation	69,284
<b>Use of services</b>	
Credit	16,669
Advisory	25,703
<b>Reasons for not using credit service</b>	
Service unavailable	51,778
Failure to pay the loan	12,273
Inadequate service	82,867
Ignorance	*
No return	*
Others	5,315
<b>Reasons for not using advisory service</b>	
Service unavailable	55,347
Inadequate service	63,429
Ignorance	19,160
No return	*
Others	*
<b>Supplier of fertilizers</b>	
Government	2,110
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	177,214
<b>Use of services</b>	
Credit	133,908
Advisory	105,520
<b>Reasons for not using credit service</b>	
Service unavailable	13,927
Failure to pay the loan	28,741
Inadequate service	14,921
Ignorance	4,303
No return	875
Others	7,901
<b>Reasons for not using advisory service</b>	
Service unavailable	40,891
Inadequate service	20,866
Ignorance	21,801
No return	3,060
Others	12,270
<b>Supplier of fertilizers</b>	
Government	30,987
Private organizations	*
Traders	12,929
Others	120,668

Table 4.4.14 Number of Holders by Type of Farm practice

Guji	
Farm Practice	Number of Holders Reporting
Crop rotation	97,947
<b>Use of services</b>	
Credit	9,162
Advisory	22,553
<b>Reasons for not using credit service</b>	
Service unavailable	116,694
Failure to pay the loan	18,294
Inadequate service	57,396
Ignorance	*
No return	*
Others	14,013
<b>Reasons for not using advisory service</b>	
Service unavailable	86,940
Inadequate service	81,931
Ignorance	23,457
No return	*
Others	*
<b>Supplier of fertilizers</b>	
Government	4,399
Private organizations	-
Traders	4,713
Others	*

Table 4.4.15 Number of Holders by Type of Farm practice

<b>Kelem</b>	
Farm Practice	Number of Holders Reporting
Crop rotation	144,278
<b>Use of services</b>	
Credit	24,398
Advisory	62,917
<b>Reasons for not using credit service</b>	
Service unavailable	40,344
Failure to pay the loan	51,247
Inadequate service	25,192
Ignorance	4,258
No return	439
Others	4,136
<b>Reasons for not using advisory service</b>	
Service unavailable	31,339
Inadequate service	18,610
Ignorance	27,015
No return	1,244
Others	9,493
<b>Supplier of fertilizers</b>	
Government	13,592
Private organizations	2,972
Traders	3,064
Others	323

Table 4.4.16 Number of Holders by Type of Farm practice

<b>Horoguduru</b>	
Farm Practice	Number of Holders Reporting
Crop rotation	104,904
<b>Use of services</b>	
Credit	60,608
Advisory	74,883
<b>Reasons for not using credit service</b>	
Service unavailable	10,440
Failure to pay the loan	22,046
Inadequate service	10,890
Ignorance	1,531
No return	1,191
Others	5,094
<b>Reasons for not using advisory service</b>	
Service unavailable	9,242
Inadequate service	13,035
Ignorance	7,630
No return	922
Others	6,262
<b>Supplier of fertilizers</b>	
Government	63,510
Private organizations	3,453
Traders	4,845
Others	622

Table 4.4.17 Number of Holders by Type of Farm practice

<b>West Arsi</b>	
Farm Practice	Number of Holders Reporting
Crop rotation	290,394
<b>Use of services</b>	
Credit	92,052
Advisory	207,522
<b>Reasons for not using credit service</b>	
Service unavailable	88,818
Failure to pay the loan	84,934
Inadequate service	78,865
Ignorance	9,472
No return	5,396
Others	29,567
<b>Reasons for not using advisory service</b>	
Service unavailable	59,069
Inadequate service	67,397
Ignorance	30,705
No return	*
Others	13,936
<b>Supplier of fertilizers</b>	
Government	59,461
Private organizations	21,813
Traders	140,624
Others	*

Table 4.5 Number of Holders by Type of Farm practice

<b>Somalie Region</b>	
Farm Practice	Number of Holders Reporting
Crop rotation	60,151
<b>Use of services</b>	
Credit	*
Advisory	280
<b>Reasons for not using credit service</b>	
Service unavailable	118,801
Failure to pay the loan	-
Inadequate service	319
Ignorance	*
No return	*
Others	198
<b>Reasons for not using advisory service</b>	
Service unavailable	118,921
Inadequate service	308
Ignorance	256
No return	*
Others	-
<b>Supplier of fertilizers</b>	
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	557
<b>Use of services</b>	
Credit	49
Advisory	116
<b>Reasons for not using credit service</b>	
Service unavailable	5,323
Failure to pay the loan	-
Inadequate service	319
Ignorance	36
No return	20
Others	95
<b>Reasons for not using advisory service</b>	
Service unavailable	5,282
Inadequate service	231
Ignorance	198
No return	-
Others	-
<b>Supplier of fertilizers</b>	
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	57,456
<b>Use of services</b>	
Credit	*
Advisory	*
<b>Reasons for not using credit service</b>	
Service unavailable	82,865
Failure to pay the loan	-
Inadequate service	-
Ignorance	-
No return	-
Others	-
<b>Reasons for not using advisory service</b>	
Service unavailable	82,977
Inadequate service	-
Ignorance	-
No return	-
Others	-
<b>Supplier of fertilizers</b>	
Government	-
Private organizations	*
Traders	*
Others	-

Table 4.5.3 Number of Holders by Type of Farm practice

<b>Liben</b>	
Farm Practice	Number of Holders Reporting
Crop rotation	*
<b>Use of services</b>	
Credit	-
Advisory	*
<b>Reasons for not using credit service</b>	
Service unavailable	30,613
Failure to pay the loan	-
Inadequate service	-
Ignorance	*
No return	*
Others	*
<b>Reasons for not using advisory service</b>	
Service unavailable	30,662
Inadequate service	*
Ignorance	*
No return	*
Others	-
<b>Supplier of fertilizers</b>	
Government	-
Private organizations	-
Traders	*
Others	-

Table 4.6 Number of Holders by Type of Farm practice

<b>Benishangul – Gumuz Region</b>	
Farm Practice	Number of Holders Reporting
Crop rotation	99,710
<b>Use of services</b>	
Credit	17,344
Advisory	51,253
<b>Reasons for not using credit service</b>	
Service unavailable	41,596
Failure to pay the loan	46,295
Inadequate service	32,139
Ignorance	5,433
No return	3,823
Others	4,800
<b>Reasons for not using advisory service</b>	
Service unavailable	51,020
Inadequate service	33,334
Ignorance	10,537
No return	3,340
Others	1,564
<b>Supplier of fertilizers</b>	
Government	4,266
Private organizations	2,758
Traders	10,676
Others	*

Table 4.6.1 Number of Holders by Type of Farm practice

<b>Metekel</b>	
Farm Practice	Number of Holders Reporting
Crop rotation	47,905
<b>Use of services</b>	
Credit	9,353
Advisory	21,185
<b>Reasons for not using credit service</b>	
Service unavailable	12,617
Failure to pay the loan	17,487
Inadequate service	8,647
Ignorance	2,745
No return	1,554
Others	3,197
<b>Reasons for not using advisory service</b>	
Service unavailable	17,036
Inadequate service	14,055
Ignorance	2,037
No return	*
Others	*
<b>Supplier of fertilizers</b>	
Government	2,572
Private organizations	*
Traders	8,896
Others	-

Table 4.6.2 Number of Holders by Type of Farm practice

<b>Asosa</b>	
Farm Practice	Number of Holders Reporting
Crop rotation	38,633
<b>Use of services</b>	
Credit	5,400
Advisory	21,955
<b>Reasons for not using credit service</b>	
Service unavailable	18,820
Failure to pay the loan	26,998
Inadequate service	13,484
Ignorance	1,328
No return	2,081
Others	999
<b>Reasons for not using advisory service</b>	
Service unavailable	21,091
Inadequate service	16,125
Ignorance	7,294
No return	1,782
Others	715
<b>Supplier of fertilizers</b>	
Government	929
Private organizations	445
Traders	1,601
Others	-

Table 4.6.3 Number of Holders by Type of Farm practice

**Kemashi**

Farm Practice	Number of Holders Reporting
Crop rotation	13,173
<b>Use of services</b>	
Credit	2,592
Advisory	8,112
<b>Reasons for not using credit service</b>	
Service unavailable	10,159
Failure to pay the loan	1,810
Inadequate service	10,008
Ignorance	1,359
No return	*
Others	*
<b>Reasons for not using advisory service</b>	
Service unavailable	12,893
Inadequate service	3,155
Ignorance	1,206
No return	*
Others	385
<b>Supplier of fertilizers</b>	
Government	766
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	1,839,638
<b>Use of services</b>	
Credit	377,957
Advisory	877,789
<b>Reasons for not using credit service</b>	
Service unavailable	941,073
Failure to pay the loan	762,386
Inadequate service	538,211
Ignorance	90,368
No return	39,993
Others	86,432
<b>Reasons for not using advisory service</b>	
Service unavailable	653,923
Inadequate service	880,868
Ignorance	294,511
No return	70,516
Others	58,327
<b>Supplier of fertilizers</b>	
Government	353,379
Private organizations	14,759
Traders	547,198
Others	2,564

Table 4.7.1 Number of Holders by Type of Farm practice

<b>Gurage</b>	
Farm Practice	Number of Holders Reporting
Crop rotation	203,656
<b>Use of services</b>	
Credit	84,132
Advisory	98,679
<b>Reasons for not using credit service</b>	
Service unavailable	40,807
Failure to pay the loan	85,746
Inadequate service	28,771
Ignorance	11,973
No return	3,408
Others	*
<b>Reasons for not using advisory service</b>	
Service unavailable	39,483
Inadequate service	61,945
Ignorance	47,790
No return	10,577
Others	4,513
<b>Supplier of fertilizers</b>	
Government	110,853
Private organizations	2,123
Traders	37,008
Others	*

Table 4.7.2 Number of Holders by Type of Farm practice

<b>Hadiya</b>	
Farm Practice	Number of Holders Reporting
Crop rotation	212,793
<b>Use of services</b>	
Credit	71,348
Advisory	71,563
<b>Reasons for not using credit service</b>	
Service unavailable	40,722
Failure to pay the loan	64,730
Inadequate service	36,067
Ignorance	7,158
No return	*
Others	2,815
<b>Reasons for not using advisory service</b>	
Service unavailable	40,711
Inadequate service	72,383
Ignorance	34,327
No return	*
Others	*
<b>Supplier of fertilizers</b>	
Government	69,817
Private organizations	*
Traders	112,559
Others	-

Table 4.7.3 Number of Holders by Type of Farm practice

**Kembata – Tembaro**

Farm Practice	Number of Holders Reporting
Crop rotation	112,324
<b>Use of services</b>	
Credit	17,860
Advisory	32,121
<b>Reasons for not using credit service</b>	
Service unavailable	19,399
Failure to pay the loan	32,906
Inadequate service	42,076
Ignorance	2,016
No return	1,197
Others	*
<b>Reasons for not using advisory service</b>	
Service unavailable	14,964
Inadequate service	56,812
Ignorance	11,708
No return	1,635
Others	*
<b>Supplier of fertilizers</b>	
Government	14,046
Private organizations	*
Traders	67,246
Others	-

Table 4.7.4 Number of Holders by Type of Farm practice

**Sidama**

Farm Practice	Number of Holders Reporting
Crop rotation	200,785
<b>Use of services</b>	
Credit	*
Advisory	84,175
<b>Reasons for not using credit service</b>	
Service unavailable	334,317
Failure to pay the loan	91,923
Inadequate service	124,169
Ignorance	14,621
No return	*
Others	20,515
<b>Reasons for not using advisory service</b>	
Service unavailable	237,836
Inadequate service	211,834
Ignorance	41,595
No return	19,701
Others	15,553
<b>Supplier of fertilizers</b>	
Government	41,732
Private organizations	*
Traders	131,931
Others	*

Table 4.7.5 Number of Holders by Type of Farm practice

<b>Gedio</b>	
Farm Practice	Number of Holders Reporting
Crop rotation	51,303
<b>Use of services</b>	
Credit	7,293
Advisory	25,906
<b>Reasons for not using credit service</b>	
Service unavailable	55,561
Failure to pay the loan	18,705
Inadequate service	61,065
Ignorance	5,520
No return	*
Others	7,259
<b>Reasons for not using advisory service</b>	
Service unavailable	32,392
Inadequate service	78,858
Ignorance	13,791
No return	2,569
Others	3,380
<b>Supplier of fertilizers</b>	
Government	7,984
Private organizations	*
Traders	2,986
Others	*

Table 4.7.6 Number of Holders by Type of Farm practice

<b>Wolayita</b>	
Farm Practice	Number of Holders Reporting
Crop rotation	251,047
<b>Use of services</b>	
Credit	31,053
Advisory	121,288
<b>Reasons for not using credit service</b>	
Service unavailable	57,659
Failure to pay the loan	124,586
Inadequate service	65,848
Ignorance	11,460
No return	6,945
Others	11,586
<b>Reasons for not using advisory service</b>	
Service unavailable	62,738
Inadequate service	78,830
Ignorance	27,739
No return	14,931
Others	3,971
<b>Supplier of fertilizers</b>	
Government	13,565
Private organizations	968
Traders	133,582
Others	-

Table 4.7.7 Number of Holders by Type of Farm practice

<b>South Omo</b>	
Farm Practice	Number of Holders Reporting
Crop rotation	35,119
<b>Use of services</b>	
Credit	4,266
Advisory	22,647
<b>Reasons for not using credit service</b>	
Service unavailable	68,070
Failure to pay the loan	15,034
Inadequate service	6,273
Ignorance	*
No return	*
Others	1,047
<b>Reasons for not using advisory service</b>	
Service unavailable	25,647
Inadequate service	40,857
Ignorance	7,495
No return	*
Others	*
<b>Supplier of fertilizers</b>	
Government	1,244
Private organizations	-
Traders	-
Others	-

Table 4.7.8 Number of Holders by Type of Farm practice

<b>Sheka</b>	
Farm Practice	Number of Holders Reporting
Crop rotation	17,990
<b>Use of services</b>	
Credit	1,593
Advisory	23,385
<b>Reasons for not using credit service</b>	
Service unavailable	4,201
Failure to pay the loan	9,823
Inadequate service	12,705
Ignorance	1,532
No return	*
Others	1,663
<b>Reasons for not using advisory service</b>	
Service unavailable	2,177
Inadequate service	7,960
Ignorance	446
No return	-
Others	258
<b>Supplier of fertilizers</b>	
Government	-
Private organizations	-
Traders	-
Others	-



Table 4.7.9 Number of Holders by Type of Farm practice

<b>Keffa</b>	
Farm Practice	Number of Holders Reporting
Crop rotation	159,942
<b>Use of services</b>	
Credit	16,034
Advisory	116,069
<b>Reasons for not using credit service</b>	
Service unavailable	16,043
Failure to pay the loan	78,614
Inadequate service	42,593
Ignorance	6,640
No return	9,018
Others	11,681
<b>Reasons for not using advisory service</b>	
Service unavailable	*
Inadequate service	41,021
Ignorance	10,219
No return	*
Others	5,832
<b>Supplier of fertilizers</b>	
Government	4,376
Private organizations	-
Traders	-
Others	*

Table 4.7.10 Number of Holders by Type of Farm practice

<b>Gamo Gofa</b>	
Farm Practice	Number of Holders Reporting
Crop rotation	168,723
Others	
<b>Use of services</b>	17,035
Credit	87,234
Advisory	
<b>Reasons for not using credit service</b>	149,191
Service unavailable	86,792
Failure to pay the loan	24,869
Inadequate service	8,901
Ignorance	3,291
No return	11,144
Others	
<b>Reasons for not using advisory service</b>	93,290
Service unavailable	60,838
Inadequate service	40,427
Ignorance	3,347
No return	15,709
Others	
<b>Supplier of fertilizers</b>	-
Government	*
Private organizations	3,770
Traders	-
Others	168,723

Table 4.7.11 Number of Holders by Type of Farm practice

**Benchi – Maji**

Farm Practice	Number of Holders Reporting
Crop rotation	82,709
<b>Use of services</b>	
Credit	8,481
Advisory	61,901
<b>Reasons for not using credit service</b>	
Service unavailable	51,384
Failure to pay the loan	42,970
Inadequate service	18,309
Ignorance	4,341
No return	1,468
Others	1,000
<b>Reasons for not using advisory service</b>	
Service unavailable	25,436
Inadequate service	28,927
Ignorance	8,072
No return	702
Others	3,219
<b>Supplier of fertilizers</b>	
Government	2,985
Private organizations	109
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	14,619
<b>Use of services</b>	
Credit	8,496
Advisory	11,252
<b>Reasons for not using credit service</b>	
Service unavailable	*
Failure to pay the loan	4,559
Inadequate service	620
Ignorance	879
No return	*
Others	428
<b>Reasons for not using advisory service</b>	
Service unavailable	*
Inadequate service	1,340
Ignorance	1,180
No return	*
Others	589
<b>Supplier of fertilizers</b>	
Government	9,641
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	19,327
<b>Use of services</b>	
Credit	701
Advisory	1,538
<b>Reasons for not using credit service</b>	
Service unavailable	15,553
Failure to pay the loan	3,253
Inadequate service	8,200
Ignorance	451
No return	733
Others	354
<b>Reasons for not using advisory service</b>	
Service unavailable	2,586
Inadequate service	23,386
Ignorance	1,027
No return	500
Others	*
<b>Supplier of fertilizers</b>	
Government	-
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	7,948
<b>Use of services</b>	
Credit	*
Advisory	1,472
<b>Reasons for not using credit service</b>	
Service unavailable	3,462
Failure to pay the loan	1,838
Inadequate service	3,261
Ignorance	206
No return	227
Others	124
<b>Reasons for not using advisory service</b>	
Service unavailable	1,648
Inadequate service	4,351
Ignorance	986
No return	444
Others	280
<b>Supplier of fertilizers</b>	
Government	*
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	13,888
<b>Use of services</b>	
Credit	6,074
Advisory	12,868
<b>Reasons for not using credit service</b>	
Service unavailable	7,130
Failure to pay the loan	13,896
Inadequate service	8,707
Ignorance	*
No return	*
Others	*
<b>Reasons for not using advisory service</b>	
Service unavailable	5,949
Inadequate service	10,434
Ignorance	6,932
No return	1,935
Others	-
<b>Supplier of fertilizers</b>	
Government	-
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	19,838
<b>Use of services</b>	
Credit	2,325
Advisory	4,415
<b>Reasons for not using credit service</b>	
Service unavailable	9,734
Failure to pay the loan	4,612
Inadequate service	5,920
Ignorance	1,504
No return	*
Others	1,513
<b>Reasons for not using advisory service</b>	
Service unavailable	10,256
Inadequate service	6,851
Ignorance	3,026
No return	1,524
Others	*
<b>Supplier of fertilizers</b>	
Government	-
Private organizations	-
Traders	-
Others	-

Table 4.7.17 Number of Holders by Type of Farm practice

<b>Dawro</b>	
Farm Practice	Number of Holders Reporting
Crop rotation	70,393
<b>Use of services</b>	
Credit	3,376
Advisory	22,375
<b>Reasons for not using credit service</b>	
Service unavailable	32,593
Failure to pay the loan	20,377
Inadequate service	20,124
Ignorance	2,447
No return	*
Others	*
<b>Reasons for not using advisory service</b>	
Service unavailable	15,445
Inadequate service	23,557
Ignorance	18,373
No return	1,465
Others	*
<b>Supplier of fertilizers</b>	
Government	*
Private organizations	-
Traders	*
Others	-

Table 4.7.18 Number of Holders by Type of Farm practice

<b>Basketo Special Wereda</b>	
Farm Practice	Number of Holders Reporting
Crop rotation	9,737
<b>Use of services</b>	
Credit	2,166
Advisory	4,249
<b>Reasons for not using credit service</b>	
Service unavailable	409
Failure to pay the loan	7,821
Inadequate service	1,335
Ignorance	546
No return	160
Others	166
<b>Reasons for not using advisory service</b>	
Service unavailable	1,483
Inadequate service	3,723
Ignorance	2,433
No return	575
Others	184
<b>Supplier of fertilizers</b>	
Government	237
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	18,355
<b>Use of services</b>	
Credit	439
Advisory	12,428
<b>Reasons for not using credit service</b>	
Service unavailable	3,807
Failure to pay the loan	9,707
Inadequate service	4,170
Ignorance	1,205
No return	399
Others	379
<b>Reasons for not using advisory service</b>	
Service unavailable	1,873
Inadequate service	2,807
Ignorance	2,312
No return	549
Others	142
<b>Supplier of fertilizers</b>	
Government	1,039
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	135,613
<b>Use of services</b>	
Credit	67,535
Advisory	54,293
<b>Reasons for not using credit service</b>	
Service unavailable	17,283
Failure to pay the loan	35,539
Inadequate service	17,543
Ignorance	1,657
No return	1,766
Others	2,989
<b>Reasons for not using advisory service</b>	
Service unavailable	26,511
Inadequate service	48,684
Ignorance	12,832
No return	*
Others	1,181
<b>Supplier of fertilizers</b>	
Government	70,233
Private organizations	*
Traders	38,838
Others	*

Table 4.7.21 Number of Holders by Type of Farm practice

**Alaba Special Wereda**

Farm Practice	Number of Holders Reporting
Crop rotation	33,530
<b>Use of services</b>	
Credit	5,947
Advisory	7,930
<b>Reasons for not using credit service</b>	
Service unavailable	13,300
Failure to pay the loan	8,954
Inadequate service	5,588
Ignorance	*
No return	*
Others	1,199
<b>Reasons for not using advisory service</b>	
Service unavailable	9,405
Inadequate service	15,468
Ignorance	*
No return	*
Others	*
<b>Supplier of fertilizers</b>	
Government	3,900
Private organizations	-
Traders	18,671
Others	-

Table 4.8 Number of Holders by Type of Farm practice

**Harari Region**

Farm Practice	Number of Holders Reporting
Crop rotation	2,814
<b>Use of services</b>	
Credit	1,326
Advisory	1,570
<b>Reasons for not using credit service</b>	
Service unavailable	6,009
Failure to pay the loan	1,562
Inadequate service	6,265
Ignorance	*
No return	*
Others	1,507
<b>Reasons for not using advisory service</b>	
Service unavailable	3,675
Inadequate service	9,875
Ignorance	793
No return	*
Others	598
<b>Supplier of fertilizers</b>	
Government	2,835
Private organizations	*
Traders	5,877
Others	*

Table 4.9 Number of Holders by Type of Farm practice

**Addis Ababa**

Farm Practice	Number of Holders Reporting
Crop rotation	5,976
<b>Use of services</b>	
Credit	667
Advisory	163
<b>Reasons for not using credit service</b>	
Service unavailable	3,953
Failure to pay the loan	972
Inadequate service	318
Ignorance	143
No return	72
Others	1,360
<b>Reasons for not using advisory service</b>	
Service unavailable	6,904
Inadequate service	*
Ignorance	*
No return	*
Others	165
<b>Supplier of fertilizers</b>	
Government	597
Private organizations	947
Traders	2,639
Others	1,102

Table 4.10 Number of Holders by Type of Farm practice

**Dire Dawa**

Farm Practice	Number of Holders Reporting
Crop rotation	691
<b>Use of services</b>	
Credit	3,511
Advisory	2,332
<b>Reasons for not using credit service</b>	
Service unavailable	2,117
Failure to pay the loan	1,843
Inadequate service	9,465
Ignorance	*
No return	*
Others	1,232
<b>Reasons for not using advisory service</b>	
Service unavailable	11,021
Inadequate service	4,569
Ignorance	*
No return	-
Others	184
<b>Supplier of fertilizers</b>	
Government	*
Private organizations	*
Traders	1,075
Others	-



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

Geographic area		River	Lake	Pond	Others	Total
<b>Ethiopia</b>	Holders	568,074	46,090	86,687	173,312	833,360
	Hectare	106,152	6,597	8,200	*	134,545
<b>Tigray Region</b>	Holders	83,090	4,566	14,332	59,824	150,073
	Hectare	11,867	576	*	*	19,408
North West Tigray	Holders	5,658	*	*	*	8,761
	Hectare	257	*	*	*	394
Central Tigray	Holders	21,917	1,479	4,384	*	41,642
	Hectare	1,502	*	65	*	2,044
East Tigray	Holders	13,050	844	3,487	*	38,320
	Hectare	442	*	53	*	982
South Tigray	Holders	41,326	*	*	*	58,537
	Hectare	9,591	*	*	*	15,810
Western Tigray	Holders	1,139	51	397	*	2,813
	Hectare	76	*	50	*	178
<b>Afar Region</b>	Holders	8,873	*	-	*	9,089
	Hectare	12,947	*	-	*	13,010
Zone 1	Holders	7,735	57	-	-	7,771
	Hectare	12,257	*	-	-	12,290
Zone 3	Holders	1,138	*	-	*	1,318
	Hectare	689	*	-	*	720
<b>Amhara Region</b>	Holders	244,676	17,319	12,140	74,252	333,860
	Hectare	22,684	2,647	381	3,105	28,817
North Gonder	Holders	15,624	5,001	*	*	21,999
	Hectare	*	*	*	*	2,447
South Gonder	Holders	13,931	*	*	*	19,357
	Hectare	*	*	*	*	516
North Wollo	Holders	17,654	*	*	*	29,278
	Hectare	1,593	*	*	*	2,208
South Wollo	Holders	46,962	*	3,638	*	59,204
	Hectare	2,658	*	*	*	3,076
North Shewa	Holders	35,632	*	3,355	*	69,054
	Hectare	*	*	*	*	5,827
East Gojjam	Holders	31,326	*	*	*	35,725
	Hectare	1,938	*	*	*	2,681
West Gojjam	Holders	29,752	*	-	*	39,899
	Hectare	3,037	*	-	*	3,935
Waghamera	Holders	3,220	*	-	*	4,882
	Hectare	*	*	-	*	*
Awi	Holders	43,950	5,168	-	1,064	46,786
	Hectare	5,418	*	-	*	6,147
Oromia Zone	Holders	6,624	*	*	*	7,677
	Hectare	997	*	*	*	1,062
<b>Oromia Region</b>	Holders	162,101	15,097	51,693	26,693	243,210
	Hectare	28,015	2,779	6,665	2,853	40,312
West Welega	Holders	2,462	*	*	-	5,748
	Hectare	*	*	*	-	404
East Welega	Holders	*	1,403	*	*	4,584
	Hectare	*	*	*	*	598
Illubabor	Holders	939	316	-	*	1,840
	Hectare	62	190	-	*	271
Jimma	Holders	3,193	*	*	*	5,838
	Hectare	*	*	*	*	451
West Shewa	Holders	28,593	*	*	*	34,825
	Hectare	1,928	*	*	*	2,268
North Shewa	Holders	*	*	*	*	15,178
	Hectare	*	*	*	*	1,461

Table 5 (cont'd)

Geographic area		River	Lake	Pond	Others	Total
East Shewa	Holders	*	1,147	*	*	15,367
	Hectare	*	*	*	*	2,783
Arsi	Holders	19,959	*	*	*	23,996
	Hectare	*	*	*	*	*
West Harerge	Holders	20,626	*	16,683	*	37,950
	Hectare	*	*	*	*	*
East Harerge	Holders	34,474	*	*	*	56,373
	Hectare	3,535	*	*	*	7,056
Bale	Holders	14,823	*	-	-	15,543
	Hectare	*	*	-	-	3,677
Borena	Holders	*	-	-	*	*
	Hectare	*	-	-	*	*
South West Shewa	Holders	8,962	1,159	*	*	13,783
	Hectare	*	*	*	*	848
Guji	Holders	*	*	-	*	*
	Hectare	*	*	-	*	*
Kelem	Holders	795	*	337	348	1,520
	Hectare	47	*	4	23	78
Horoguduru	Holders	715	244	671	292	1,922
	Hectare	20	139	39	66	264
West Arsi	Holders	3,570	1,693	-	*	6,023
	Hectare	*	*	-	*	659
<b>Somali Region</b>	Holders	6,715	*	*	*	8,312
	Hectare	*	*	*	*	2,478
Shinele	Holders	1,785	-	196	-	1,981
	Hectare	723	-	88	-	810
Jijiga	Holders	*	-	*	-	*
	Hectare	*	-	*	-	*
Liben	Holders	*	*	*	*	2,014
	Hectare	*	*	*	*	*
<b>Benishangul</b>	Holders	7,643	165	*	*	8,954
	Hectare	*	*	*	*	*
Metekel Zone	Holders	3,702	*	*	*	5,012
	Hectare	*	*	*	*	*
Asosa	Holders	3,849	89	*	-	3,850
	Hectare	98	*	*	-	98
Kemashi	Holders	*	-	-	-	*
	Hectare	*	-	-	-	*
<b>S.N.N.P Region</b>	Holders	49,142	8,393	4,705	8,944	70,074
	Hectare	25,950	471	76	*	27,079
Gurage	Holders	*	1,736	-	*	5,055
	Hectare	*	*	-	*	*
Hadiya	Holders	-	*	-	*	3,002
	Hectare	-	*	-	*	*
Kemb. – Temb.	Holders	*	*	-	*	1,626
	Hectare	*	*	-	*	94
Sidama	Holders	*	*	*	*	6,606
	Hectare	*	*	*	*	309
Gedio	Holders	*	*	*	*	1,996
	Hectare	*	*	*	*	65
Wolayita	Holders	686	353	-	325	1,363
	Hectare	60	*	-	120	180
South Omo	Holders	*	*	-	-	*
	Hectare	*	*	-	-	*
Sheka	Holders	-	-	-	-	-
	Hectare	-	-	-	-	-

Table 5 (cont'd)

Geographic area		River	Lake	Pond	Others	Total
Keffa	Holders	*	-	-	-	*
	Hectare	*	-	-	-	*
Gamo - Gofa	Holders	28,310	1,292	3,451	1,060	33,248
	Hectare	21,432	98	14	6	21,550
Benchi – Maji	Holders	-	180	178	*	367
	Hectare	-	4	1	*	7
Yem	Holders	*	*	-	-	*
	Hectare	*	*	-	-	*
Amaro	Holders	8,829	*	*	*	9,014
	Hectare	2,602	*	*	*	2,639
Burji	Holders	*	-	-	*	162
	Hectare	*	-	-	*	*
Konso	Holders	*	-	-	*	*
	Hectare	*	-	-	*	*
Derashe	Holders	658	-	-	-	658
	Hectare	*	-	-	-	*
Dawro	Holders	-	*	-	*	*
	Hectare	-	*	-	*	*
Basketo	Holders	*	-	-	-	*
	Hectare	*	-	-	-	*
Konta	Holders	-	82	-	-	82
	Hectare	-	*	-	-	*
Silitie	Holders	*	*	-	1,021	2,061
	Hectare	*	*	-	*	*
Alaba	Holders	-	-	-	520	520
	Hectare	-	-	-	*	*
<b>Harari Region</b>	Holders	1,594	208	*	*	3,080
	Hectare	154	*	106	*	532
<b>Addis Abeba</b>	Holders	72	*	*	89	216
	Hectare	*	*	*	*	*
<b>Dire Dawa</b>	Holders	4,168	*	1,324	*	6,492
	Hectare	698	*	195	*	996

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

**Ethiopia**

Crop type	River	Lake	Pond	Others	Total
<b>All</b>	106,152	6,597	8,200	*	134,545
<b>Cereals</b>	54,947	5,082	2,630	*	71,084
Teff	5,364	982	*	*	9,044
Barley	3,392	896	*	*	5,032
Wheat	4,234	593	*	*	5,604
Maize	34,459	1,960	*	*	41,060
Sorghum	7,046	441	797	*	9,241
Finger millet	*	*	*	*	1,047
Oats / 'Aja'	*	-	*	*	*
Rice	-	-	-	*	*
<b>Pulses</b>	4,038	682	222	*	6,496
Horse / Faba beans	762	*	*	*	1,191
Field Peas	174	*	*	*	495
Haricot beans	876	*	*	*	1,029
Chick peas	1,275	*	-	*	2,304
Lentils	*	*	*	*	*
Vetch / Grass peas	*	*	-	*	*
Soya beans	*	-	-	*	*
Fenugreek	307	-	*	*	473
Gibto	*	-	-	*	*
<b>Oilseeds</b>	671	203	*	*	939
Neug	*	74	-	*	271
Linseed	*	*	*	*	191
Groundnuts	*	*	*	*	19
Safflower	*	-	*	*	*
Sesame	221	*	*	*	257
Rapeseed	*	*	*	*	163
<b>Vegetables</b>	*	*	256	757	7,321
Lettuce	4	-	2	*	19
Head cabbage	320	*	53	48	421
Ethiopian cabbage	126	5	*	67	223
Tomatoes	*	*	62	94	*
Green peppers	696	*	42	*	1,053
Red peppers	1,394	*	66	202	1,724
Swiss chard	7	*	5	*	35
<b>Root crops</b>	7,668	*	722	1,005	9,501
Beetroot	*	*	*	*	192
Carrot	*	-	*	*	147
Onion	4,092	*	159	*	4,874
Potatoes	1,853	*	*	*	2,326
Garlic	650	5	57	137	849
Taro 'Godere'	13	5	2	*	19
Sweet potatoes	852	*	*	*	1,094
<b>Other Temporary</b>	6,520	48	*	*	6,674
<b>Permanent crops</b>	26,071	404	4,280	1,776	32,531
Avocado	199	*	*	*	247
Bananas	7,026	*	*	88	7,409
Guava	181	*	*	*	239
Lemons	130	*	19	*	164
Mangoes	1,311	*	6	*	1,378
Oranges	435	*	*	*	498
Papayas	517	*	57	*	650
Pineapples	*	-	-	*	*
Chat	5,074	22	2,363	*	7,861
Coffee	5,905	94	*	*	7,514
Hops / 'Gesho'	1,470	*	96	394	1,996
Enset	898	*	*	*	1,365
Sugar cane	2,637	*	92	*	2,847
Other permanent	290	*	38	*	362

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

**Tigray**

Crop type	River	Lake	Pond	Others	Total
<b>All</b>	11,867	576	*	*	19,408
<b>Cereals</b>	8,075	*	*	*	13,883
Teff	2,799	*	*	*	4,527
Barley	379	*	*	*	529
Wheat	2,136	*	*	*	2,529
Maize	478	*	*	*	*
Sorghum	*	*	-	*	3,090
Finger millet	*	-	*		*
Oats / 'Aja'	-	-	-		-
Rice	-	-	-	*	*
<b>Pulses</b>	*	*	*	*	2,282
Horse / Faba beans	*	*	*	*	*
Field Peas	*	-	*	*	*
Haricot beans	-	-	-		-
Chick peas	*	*	-	*	*
Lentils	*	*	-		*
Vetch / Grass peas	-	-	-	*	*
Soya beans	-	-	-		-
Fenugreek	58	-	*	*	103
Gibto	-	-	-		-
<b>Oilseeds</b>	*	*	*	*	*
Neug	*	-	-		*
Linseed	*	-	-		*
Groundnuts	-	-	-		-
Safflower	*	-	*	*	*
Sesame	*	*	-	*	20
Rapeseed	-	-	-	*	*
<b>Vegetables</b>	445	*	112	224	782
Lettuce	1	-	*	*	15
Head cabbage	42	-	*	*	77
Ethiopian cabbage	*	-	*		*
Tomatoes	129	-	41	*	211
Green peppers	193	-	23	91	306
Red peppers	54	*	20	*	125
Swiss chard	*	*	*	18	27
<b>Root crops</b>	1,108	*	*	*	1,389
Beetroot	*	*	1	*	*
Carrot	*	-	*	*	*
Onion	616	*	*	*	737
Potatoes	*	*	*	*	279
Garlic	188	*	*	*	274
Taro 'Godere'	-	-	-		-
Sweet potatoes	*	-	-	*	*
<b>Other Temporary</b>	25	-	4	*	46
<b>Permanent crops</b>	671	*	47	131	869
Avocado	*	-	*		*
Bananas	32	-	*	*	34
Guava	28	-	*	7	41
Lemons	6	-	*	*	15
Mangoes	*	-	*	*	*
Oranges	13	-	*	*	16
Papayas	*	*	*	*	*
Pineapples	-	-	-		-
Chat	*	-	-	*	*
Coffee	19	*	-	*	20
Hops / 'Geshe'	420	*	*	*	568
Enset	-	-	-		-
Sugar cane	*	-	-		*
Other permanent	*	-	*	*	*

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

**Afar**

Crop type	River	Lake	Pond	Others	Total
<b>All</b>	12,947	*	-	*	13,010
<b>Cereals</b>	12,599	*	-		12,652
Teff	*	-	-		*
Barley	-	-	-		-
Wheat	-	-	-		-
Maize	12,546	*	-		12,580
Sorghum	*	*	-		*
Finger millet	*	-	-		*
Oats / 'Aja'	-	-	-		-
Rice	-	-	-		-
<b>Pulses</b>	-	*	-		*
Horse / Faba beans	-	-	-		-
Field Peas	-	-	-		-
Haricot beans	-	*	-		*
Chick peas	-	-	-		-
Lentils	-	-	-		-
Vetch / Grass peas	-	-	-		-
Soya beans	-	-	-		-
Fenugreek	-	-	-		-
Gibto	-	-	-		-
<b>Oilseeds</b>	*	*	-		*
Neug	-	-	-		-
Linseed	-	-	-		-
Groundnuts	*	-	-		*
Safflower	*	-	-		*
Sesame	*	*	-		*
Rapeseed	-	-	-		-
<b>Vegetables</b>	*	-	-		*
Lettuce	-	-	-		-
Head cabbage	-	-	-		-
Ethiopian cabbage	-	-	-		-
Tomatoes	*	-	-		*
Green peppers	*	-	-		*
Red peppers	*	-	-		*
Swiss chard	-	-	-		-
<b>Root crops</b>	*	-	-	*	*
Beetroot	-	-	-		-
Carrot	-	-	-		-
Onion	*	-	-	*	*
Potatoes	-	-	-		-
Garlic	-	-	-		-
Taro 'Godere'	-	-	-		-
Sweet potatoes	-	-	-		-
<b>Other Temporary</b>	*	-	-		*
<b>Permanent crops</b>	43	*	-	*	43
Avocado	*	-	-		*
Bananas	*	-	-		*
Guava	*	-	-		*
Lemons	*	-	-		*
Mangoes	*	-	-		*
Oranges	-	-	-		-
Papayas	*	-	-		*
Pineapples	-	-	-		-
Chat	-	-	-		-
Coffee	-	-	-		-
Hops / 'Geshe'	-	-	-		-
Enset	-	-	-		-
Sugar cane	-	-	-	*	*
Other permanent	20	*	-		20

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

**Amhara**

Crop type	River	Lake	Pond	Others	Total
<b>All</b>	22,684	2,647	381	3,105	28,817
<b>Cereals</b>	10,385	1,983	*	*	13,709
Teff	1,128	*	-	*	2,039
Barley	2,272	*	-	*	2,839
Wheat	*	*	-	*	2,195
Maize	3,159	602	*	*	3,930
Sorghum	*	*	*	*	*
Finger millet	*	*	-	*	*
Oats / 'Aja'	*	-	-	*	*
Rice	-	-	-	*	-
<b>Pulses</b>	1,577	*	*	*	2,584
Horse / Faba beans	196	*	*	*	495
Field Peas	*	*	*	*	*
Haricot beans	*	*	-	*	*
Chick peas	*	-	-	*	866
Lentils	*	*	-	*	*
Vetch / Grass peas	*	*	-	*	*
Soya beans	-	-	-	*	-
Fenugreek	*	-	-	*	304
Gibto	*	-	-	*	*
<b>Oilseeds</b>	207	*	-	*	345
Neug	60	-	-	*	60
Linseed	*	*	-	*	*
Groundnuts	*	-	-	*	*
Safflower	*	-	-	*	*
Sesame	*	*	-	*	*
Rapeseed	*	*	-	*	159
<b>Vegetables</b>	1,532	*	25	*	1,909
Lettuce	*	-	*	*	3
Head cabbage	68	-	*	*	74
Ethiopian cabbage	48	*	*	*	70
Tomatoes	*	*	*	*	*
Green peppers	*	-	*	*	*
Red peppers	1,079	*	*	*	1,205
Swiss chard	2	-	-	*	6
<b>Root crops</b>	2,785	*	*	206	3,198
Beetroot	18	-	-	*	20
Carrot	*	-	*	*	11
Onion	1,355	*	*	*	1,548
Potatoes	1,127	*	*	*	1,283
Garlic	213	*	*	*	271
Taro 'Godere'	-	-	-	*	-
Sweet potatoes	*	-	*	*	*
<b>Other Temporary</b>	110	-	*	*	122
<b>Permanent crops</b>	6,088	*	*	737	6,950
Avocado	*	-	-	*	12
Bananas	473	*	*	*	521
Guava	48	-	-	*	60
Lemons	50	*	*	*	56
Mangoes	*	-	*	*	177
Oranges	302	*	*	*	327
Papayas	*	*	*	*	*
Pineapples	*	-	-	*	*
Chat	1,268	*	-	*	1,342
Coffee	2,094	*	*	*	2,318
Hops / 'Geshe'	755	*	*	*	1,077
Enset	-	-	-	*	-
Sugar cane	693	*	*	66	779
Other permanent	65	*	*	*	86

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

**Oromia**

Crop type	River	Lake	Pond	Others	Total
<b>All</b>	28,015	2,779	6,665	2,853	40,312
<b>Cereals</b>	12,138	2,399	*	*	17,938
Teff	*	581	-	*	1,114
Barley	*	*	*	*	1,620
Wheat	*	*	*	*	*
Maize	*	1,242	*	*	12,381
Sorghum	1,036	*	640	*	1,811
Finger millet	36	-	-	*	*
Oats / 'Aja'	*	-	-	*	*
Rice	-	-	-	*	-
<b>Pulses</b>	791	*	107	*	1,292
Horse / Faba beans	*	*	*	*	*
Field Peas	*	*	-	*	179
Haricot beans	208	*	*	*	322
Chick peas	*	-	-	*	*
Lentils	*	*	*	*	*
Vetch / Grass peas	*	-	-	*	*
Soya beans	-	-	-	*	-
Fenugreek	65	-	-	*	65
Gibto	-	-	-	*	-
<b>Oilseeds</b>	*	74	*	*	322
Neug	*	74	-	*	*
Linseed	*	-	*	*	*
Groundnuts	-	-	*	*	*
Safflower	-	-	-	*	-
Sesame	*	-	-	*	*
Rapeseed	-	-	-	*	-
<b>Vegetables</b>	*	*	92	*	*
Lettuce	-	-	*	*	*
Head cabbage	*	*	*	*	*
Ethiopian cabbage	51	*	*	*	70
Tomatoes	*	-	*	*	*
Green peppers	*	*	*	*	*
Red peppers	*	*	*	*	*
Swiss chard	*	-	*	*	*
<b>Root crops</b>	3,088	*	*	*	4,143
Beetroot	*	*	*	*	*
Carrot	*	-	*	*	*
Onion	*	-	*	*	*
Potatoes	*	*	*	*	724
Garlic	242	*	18	*	294
Taro 'Godere'	*	-	-	*	*
Sweet potatoes	*	*	*	*	660
<b>Other Temporary</b>	*	*	*	*	*
<b>Permanent crops</b>	7,131	91	3,836	*	11,699
Avocado	3	*	*	*	*
Bananas	555	-	*	*	835
Guava	*	*	*	*	118
Lemons	*	-	*	*	*
Mangoes	15	*	*	*	37
Oranges	*	*	*	*	57
Papayas	*	*	*	*	143
Pineapples	-	-	-	*	-
Chat	3,185	*	2,142	*	5,539
Coffee	940	*	*	*	2,203
Hops / 'Geshe'	*	*	43	*	340
Enset	*	*	*	*	*
Sugar cane	1,792	-	80	*	1,905
Other permanent	39	-	*	*	69



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

**Somalie**

Crop type	River	Lake	Pond	Others	Total
<b>All</b>	*	*	*	*	2,478
<b>Cereals</b>	1,007	*	101		1,121
Teff	-	-	-		-
Barley	-	-	-		-
Wheat	-	-	-		-
Maize	*	*	*		689
Sorghum	402	-	27		429
Finger millet	-	-	-		-
Oats / 'Aja'	-	-	*		*
Rice	-	-	-		-
<b>Pulses</b>	*	*	-		*
Horse / Faba beans	-	-	-		-
Field Peas	-	-	-		-
Haricot beans	*	*	-		*
Chick peas	-	-	-		-
Lentils	-	-	-		-
Vetch / Grass peas	-	-	-		-
Soya beans	-	-	-		-
Fenugreek	-	-	-		-
Gibto	-	-	-		-
<b>Oilseeds</b>	*	-	*		1
Neug	-	-	-		-
Linseed	-	-	-		-
Groundnuts	-	-	-		-
Safflower	-	-	-		-
Sesame	*	-	*		1
Rapeseed	-	-	-		-
<b>Vegetables</b>	16	-	*	*	23
Lettuce	-	-	-		-
Head cabbage	-	-	-		-
Ethiopian cabbage	-	-	*		*
Tomatoes	12	-	*	*	13
Green peppers	*	-	1	*	6
Red peppers	-	-	*		*
Swiss chard	-	-	-		-
<b>Root crops</b>	*	-	17	*	*
Beetroot	-	-	-		-
Carrot	-	-	-		-
Onion	*	-	-	*	*
Potatoes	*	-	*		*
Garlic	-	-	-		-
Taro 'Godere'	-	-	-		-
Sweet potatoes	*	-	11		*
<b>Other Temporary</b>	-	-	-		-
<b>Permanent crops</b>	*	-	*	*	*
Avocado	-	-	-		-
Bananas	102	-	-	*	103
Guava	2	-	-		2
Lemons	34	-	9	*	47
Mangoes	15	-	*		15
Oranges	76	-	3		79
Papayas	*	-	1	*	*
Pineapples	-	-	-		-
Chat	*	-	*		*
Coffee	*	-	-		*
Hops / 'Geshe'	-	-	-		-
Enset	-	-	-		-
Sugar cane	-	-	3		3
Other permanent	19	-	2		21

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

**Benishangul – Gumuz**

Crop type	River	Lake	Pond	Others	Total
<b>All</b>	*	*	*	*	*
<b>Cereals</b>	6	-	-	*	*
Teff	-	-	-		-
Barley	-	-	-		-
Wheat	-	-	-		-
Maize	3	-	-	*	*
Sorghum	3	-	-		3
Finger millet	-	-	-	*	*
Oats / 'Aja'	-	-	-		-
Rice	-	-	-		-
<b>Pulses</b>	2	-	-		2
Horse / Faba beans	-	-	-		-
Field Peas	-	-	-		-
Haricot beans	2	-	-		2
Chick peas	-	-	-		-
Lentils	-	-	-		-
Vetch / Grass peas	-	-	-		-
Soya beans	-	-	-		-
Fenugreek	-	-	-		-
Gibto	-	-	-		-
<b>Oilseeds</b>	-	-	-		-
Neug	-	-	-		-
Linseed	-	-	-		-
Groundnuts	-	-	-		-
Safflower	-	-	-		-
Sesame	-	-	-		-
Rapeseed	-	-	-		-
<b>Vegetables</b>	*	-	-		*
Lettuce	-	-	-		-
Head cabbage	*	-	-		*
Ethiopian cabbage	-	-	-		-
Tomatoes	-	-	-		-
Green peppers	*	-	-		*
Red peppers	*	-	-		*
Swiss chard	-	-	-		-
<b>Root crops</b>	*	-	-	*	*
Beetroot	-	-	-		-
Carrot	-	-	-		-
Onion	*	-	-		*
Potatoes	*	-	-		*
Garlic	*	-	-		*
Taro 'Godere'	*	-	-		*
Sweet potatoes	-	-	-	*	*
<b>Other Temporary</b>	13	-	-	*	14
<b>Permanent crops</b>	*	*	*	*	*
Avocado	*	-	-		*
Bananas	78	*	*	*	81
Guava	*	-	-	*	*
Lemons	*	-	-	*	*
Mangoes	*	-	-	*	22
Oranges	*	-	-	*	*
Papayas	*	-	-	*	*
Pineapples	-	-	-		-
Chat	*	-	*		8
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	River	Lake	Pond	Others	Total
<b>All</b>	25,950	471	76	*	27,079
<b>Cereals</b>	10,306	160	*	*	10,746
Teff	1,081	92	-	*	1,364
Barley	*	-	-		*
Wheat	*	-	-		*
Maize	8,146	61	*	*	8,228
Sorghum	1,028	*	-	*	1,102
Finger millet	-	-	-		-
Oats / 'Aja'	-	-	-		-
Rice	-	-	-	*	*
<b>Pulses</b>	171	*	1	*	232
Horse / Faba beans	-	*	1	*	*
Field Peas	-	-	-		-
Haricot beans	166	*	-	*	187
Chick peas	*	-	-		*
Lentils	-	-	-		-
Vetch / Grass peas	-	-	-		-
Soya beans	*	-	-		*
Fenugreek	*	-	-	*	*
Gibto	-	-	-		-
<b>Oilseeds</b>	83	*	-	*	84
Neug	-	-	-		-
Linseed	-	*	-		*
Groundnuts	-	-	-		-
Safflower	*	-	-	*	*
Sesame	82	-	-		82
Rapeseed	-	-	-		-
<b>Vegetables</b>	82	*	3	124	212
Lettuce	-	-	-	*	*
Head cabbage	-	-	-	*	23
Ethiopian cabbage	5	*	3	*	58
Tomatoes	40	-	-	*	48
Green peppers	36	-	-	*	51
Red peppers	*	-	-	31	32
Swiss chard	-	-	-		-
<b>Root crops</b>	145	5	2	*	175
Beetroot	*	*	-	*	*
Carrot	*	-	-	*	*
Onion	*	-	-	*	15
Potatoes	1	-	-	*	*
Garlic	*	-	*	*	*
Taro 'Godere'	11	5	2		18
Sweet potatoes	125	-	-	*	127
<b>Other Temporary</b>	5,777	*	6	*	5,827
<b>Permanent crops</b>	9,386	*	*	*	9,803
Avocado	184	*	-	*	188
Bananas	5,770	*	-	*	5,820
Guava	*	*	-		*
Lemons	27	-	-		27
Mangoes	1,084	-	-	*	1,108
Oranges	6	*	-	*	*
Papayas	*	-	-	*	*
Pineapples	-	-	-		-
Chat	107	-	-	*	133
Coffee	1,088	*	*	*	1,190
Hops / 'Geshe'	-	-	-	*	*
Enset	796	*	*	*	972
Sugar cane	100	*	*	*	101
Other permanent	*	*	7	6	*

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

**Harari**

Crop type	River	Lake	Pond	Others	Total
<b>All</b>	154	*	106	*	532
<b>Cereals</b>	54	*	28	*	249
Teff	-	-	-	-	-
Barley	-	-	-	-	-
Wheat	-	-	-	-	-
Maize	30	*	17	*	115
Sorghum	*	*	*	*	135
Finger millet	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-
Rice	-	-	-	-	-
<b>Pulses</b>	-	-	-	*	*
Horse / Faba beans	-	-	-	-	-
Field Peas	-	-	-	*	*
Haricot beans	-	-	-	-	-
Chick peas	-	-	-	-	-
Lentils	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-
Soya beans	-	-	-	-	-
Fenugreek	-	-	-	-	-
Gibto	-	-	-	-	-
<b>Oilseeds</b>	*	*	-	*	*
Neug	-	-	-	-	-
Linseed	-	-	-	-	-
Groundnuts	*	*	-	*	*
Safflower	-	-	-	-	-
Sesame	-	-	-	-	-
Rapeseed	-	-	-	-	-
<b>Vegetables</b>	*	-	*	-	*
Lettuce	-	-	-	-	-
Head cabbage	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-
Tomatoes	*	-	*	-	*
Green peppers	-	-	-	-	-
Red peppers	-	-	-	-	-
Swiss chard	-	-	-	-	-
<b>Root crops</b>	*	-	*	*	45
Beetroot	-	-	-	-	-
Carrot	-	-	-	-	-
Onion	-	-	-	-	-
Potatoes	*	-	-	-	*
Garlic	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-
Sweet potatoes	*	-	*	*	45
<b>Other Temporary</b>	-	-	-	*	*
<b>Permanent crops</b>	76	*	50	*	225
Avocado	-	-	-	-	-
Bananas	*	-	*	-	*
Guava	-	-	-	*	*
Lemons	*	-	-	-	*
Mangoes	*	-	*	-	*
Oranges	-	-	*	-	*
Papayas	*	*	*	-	*
Pineapples	-	-	-	-	-
Chat	*	*	45	*	176
Coffee	*	-	-	*	*
Hops / 'Geshe'	-	-	-	-	-
Enset	-	-	-	-	-
Sugar cane	*	-	*	-	*
Other permanent	*	-	-	*	*

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

**Addis Abeba**

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

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

**Dire Dawa**

Crop type	River	Lake	Pond	Others	Total
<b>All</b>	698	*	195	*	996
<b>Cereals</b>	377	*	115	*	543
Teff	-	-	-	-	-
Barley	*	-	-	-	*
Wheat	-	-	-	-	-
Maize	43	*	*	*	100
Sorghum	333	*	*	*	442
Finger millet	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-
Rice	-	-	-	-	-
<b>Pulses</b>	*	-	*	*	5
Horse / Faba beans	-	-	-	-	-
Field Peas	-	-	-	-	-
Haricot beans	*	-	*	*	5
Chick peas	-	-	-	-	-
Lentils	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-
Soya beans	-	-	-	-	-
Fenugreek	-	-	-	*	*
Gibto	-	-	-	-	-
<b>Oilseeds</b>	*	-	*	-	*
Neug	-	-	-	-	-
Linseed	-	-	-	-	-
Groundnuts	-	-	*	-	*
Safflower	-	-	-	-	-
Sesame	*	-	-	-	*
Rapeseed	-	-	*	-	*
<b>Vegetables</b>	8	-	*	*	23
Lettuce	-	-	-	-	-
Head cabbage	-	-	-	-	-
Ethiopian cabbage	-	-	*	-	*
Tomatoes	8	-	*	*	21
Green peppers	*	-	*	*	*
Red peppers	-	-	-	-	-
Swiss chard	-	-	-	*	*
<b>Root crops</b>	29	-	*	*	43
Beetroot	-	-	-	-	-
Carrot	-	-	-	*	*
Onion	*	-	*	*	*
Potatoes	*	-	*	-	*
Garlic	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-
Sweet potatoes	*	-	*	*	23
<b>Other Temporary</b>	*	-	*	-	*
<b>Permanent crops</b>	282	*	53	*	372
Avocado	-	-	-	-	-
Bananas	*	-	-	*	2
Guava	3	-	*	*	4
Lemons	*	-	*	-	*
Mangoes	*	-	*	*	*
Oranges	*	-	-	-	*
Papayas	15	-	*	*	26
Pineapples	-	-	-	-	-
Chat	171	*	40	*	223
Coffee	50	-	*	*	68
Hops / 'Geshe'	-	-	-	-	-
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
<b>Ethiopia</b>	Holder	4,212,671	2,324,214	347,042	5,811,676	3,018,232	11,915,734
	Hectare	2,913,820	1,269,710	108,361	4,823,843	2,663,145	11,778,879
<b>Tigray Region</b>	Holder	438,624	369,122	12,073	298,690	17,850	736,123
	Hectare	383,702	248,744	1,425	231,754	5,373	870,997
North West Tigray	Holder	90,924	58,677	*	51,796	9,827	132,147
	Hectare	104,400	50,270	*	40,717	2,185	197,618
Central Tigray	Holder	148,338	102,243	*	74,626	*	214,332
	Hectare	123,484	49,508	*	41,024	*	214,818
East Tigray	Holder	63,900	65,392	*	46,292	*	117,566
	Hectare	40,679	26,339	*	26,020	*	93,226
South Tigray	Holder	108,018	105,188	4,781	85,925	*	202,146
	Hectare	88,608	88,846	*	66,942	*	247,491
Western Tigray	Holder	27,444	37,622	1,378	40,052	*	69,932
	Hectare	26,531	33,781	430	57,051	*	117,845
<b>Afar Region</b>	Holder	6,269	6,461	1,164	1,030	434	14,038
	Hectare	9,409	7,835	375	684	*	18,399
Zone 1	Holder	*	5,832	*	*	-	7,928
	Hectare	*	7,338	*	*	-	12,475
Zone 3	Holder	4,312	628	1,086	821	434	6,110
	Hectare	4,468	*	349	515	*	5,924
<b>Amhara Region</b>	Holder	1,883,751	739,064	88,767	1,292,353	853,912	3,228,942
	Hectare	1,475,644	388,288	29,261	1,094,881	759,586	3,747,661
North Gondar	Holder	299,552	115,617	10,546	187,895	88,339	476,579
	Hectare	276,062	79,358	9,312	174,622	100,778	640,132
South Gondar	Holder	287,528	97,330	14,781	159,400	80,423	407,048
	Hectare	258,526	47,609	3,024	131,648	63,796	504,603
North Wollo	Holder	222,983	122,485	4,043	65,320	12,361	311,955
	Hectare	158,835	68,094	*	24,800	*	255,404
South Wollo	Holder	402,364	135,329	*	131,588	68,704	509,872
	Hectare	246,501	63,509	*	80,854	33,303	424,713
North Shewa	Holder	253,442	62,632	15,717	230,946	119,497	389,495
	Hectare	215,277	25,523	*	148,529	72,424	467,964
East Gojjam	Holder	153,257	86,885	*	202,442	164,481	412,633
	Hectare	113,164	54,295	*	181,118	169,971	522,560
West Gojjam	Holder	112,292	69,411	16,602	203,301	199,223	390,116
	Hectare	75,958	23,600	*	237,284	187,987	529,434
Waghamera	Holder	69,488	13,459	*	18,428	*	82,437
	Hectare	72,414	7,042	*	14,688	*	98,429
Awı	Holder	28,728	17,428	3,275	70,863	114,056	173,376
	Hectare	22,107	*	*	90,146	123,909	245,941
Oromia Zone	Holder	54,117	18,488	2,730	22,170	*	75,431
	Hectare	36,801	9,949	*	11,192	*	58,482
<b>Oromia Region</b>	Holder	1,064,306	781,834	141,228	2,580,818	1,676,192	4,908,692
	Hectare	717,685	437,493	42,976	2,543,869	1,681,219	5,423,241
West Welega	Holder	31,932	24,660	34,071	171,112	106,274	239,372
	Hectare	10,790	11,332	7,838	143,719	77,977	251,656
East Welega	Holder	28,813	15,568	*	103,269	113,161	209,604
	Hectare	23,496	7,151	*	134,402	135,410	300,866
Illubabor	Holder	26,137	14,980	6,737	166,886	72,329	233,539
	Hectare	22,658	9,457	1,171	181,526	62,792	277,604
Jimma	Holder	29,585	30,039	*	386,233	207,824	526,651
	Hectare	12,842	*	*	372,187	145,684	555,300
West Shewa	Holder	44,998	23,375	*	131,078	303,288	407,396
	Hectare	39,476	*	*	145,228	360,403	557,060

Table 7 (cont'd)

Geographic area		Method of Protection					
		Terracing	Water catchments	Planting trees	Ploughing along the contour	Others	Total
North Shewa	Holder	87,725	21,452	*	69,353	149,784	256,986
	Hectare	76,702	7,403	*	84,332	191,582	360,513
East Shewa	Holder	68,084	48,011	*	151,836	55,353	264,745
	Hectare	63,644	44,842	*	230,859	86,056	425,931
Arsi	Holder	79,291	71,947	*	315,948	192,784	511,425
	Hectare	58,028	36,076	*	279,987	172,904	548,680
West Harerge	Holder	204,266	145,705	*	103,559	*	324,868
	Hectare	127,971	70,412	*	58,374	*	261,041
East Harerge	Holder	322,094	210,474	*	98,322	*	500,211
	Hectare	188,058	100,853	*	33,504	*	323,159
Bale	Holder	*	46,499	*	172,806	78,193	261,869
	Hectare	*	47,575	*	206,989	97,109	352,650
Borena	Holder	19,309	12,719	*	78,038	17,184	122,498
	Hectare	8,189	*	*	44,869	7,342	66,504
South West Shewa	Holder	22,946	5,505	*	58,656	168,976	200,986
	Hectare	20,988	1,300	*	68,779	204,922	296,332
Guji	Holder	*	44,100	*	151,056	*	212,455
	Hectare	*	27,550	*	96,797	*	137,246
Kelem	Holder	28,706	14,949	15167	99932	64923	149392
	Hectare	13,495	6,437	2,662	88,752	41,390	152,736
Horoguduru	Holder	11,129	9,227	1552	79984	47651	110343
	Hectare	8,825	5,540	82	133,882	55,706	204,034
West Arsi	Holder	53,569	42,624	26960	242749	64775	376353
	Hectare	41,453	25,533	16,520	239,682	28,740	351,928
<b>Somali Region</b>	Holder	12,584	27,498	*	63,662	5,986	100,654
	Hectare	9,371	16,223	*	56,780	863	83,445
Shinele	Holder	2,887	652	11	42	-	3,204
	Hectare	1,208	118	2	9	-	1,336
Jijiga	Holder	*	23,793	*	54,115	*	78,964
	Hectare	*	14,803	*	51,032	*	74,098
Liben	Holder	*	*	-	9,505	5,711	18,486
	Hectare	*	*	-	*	808	8,010
<b>Benishangul – Gumuz Region</b>	Holder	5,152	51,946	4,549	69,912	46,233	150,396
	Hectare	1,716	43,412	*	94,010	46,069	187,316
Metekel Zone	Holder	2,791	11,585	*	45,247	11,285	55,095
	Hectare	*	9,897	*	69,567	*	88,982
Asosa	Holder	2,142	39,628	1,055	16,967	15,070	68,705
	Hectare	345	32,175	587	14,663	11,810	59,579
Kemashi	Holder	*	734	-	7,698	19,878	26,596
	Hectare	*	*	-	9,781	27,465	38,755
<b>S.N.N.P Region</b>	Holder	770,714	342,166	98,829	1,504,630	410,648	2,736,551
	Hectare	295,610	125,112	32,001	801,449	160,058	1,414,230
Gurage	Holder	75,659	67,721	2,766	140,188	46,226	257,497
	Hectare	27,948	20,671	*	63,090	18,146	130,179
Hadiya	Holder	63,249	12,450	*	184,076	*	219,475
	Hectare	21,166	*	*	110,662	*	139,555
Kembata – Tembaro	Holder	21,012	6,440	*	100,357	8,767	114,183
	Hectare	6,320	*	*	41,790	*	51,440
Sidama	Holder	308,385	97,502	36,579	128,702	50,206	599,501
	Hectare	108,529	26,759	8,264	41,237	16,416	201,205
Gedio	Holder	*	-	*	72,680	67,577	154,213
	Hectare	*	-	*	30,218	15,703	53,827
Wolayita	Holder	82,556	18,881	2,117	203,410	14,629	274,549
	Hectare	25,864	3,239	261	77,732	2,974	110,070



Table 7 (cont'd)

Geographic area		Method of Protection					
		Terracing	Water catchments	Planting trees	Ploughing along the contour	Others	Total
South Omo	Holder	7,737	13,197	11,898	50,497	14,053	93,728
	Hectare	*	5,959	6,653	26,524	6,534	49,326
Sheka	Holder	3,342	*	3,270	25,809	*	34,198
	Hectare	1,449	*	2,611	18,404	*	24,357
Keffa	Holder	*	5,059	*	172,775	10,452	175,897
	Hectare	*	*	*	144,228	*	150,280
Gamo - Gofa	Holder	83,560	41,751	26,297	45,000	116,479	281,313
	Hectare	45,783	28,932	10,341	18,537	56,068	159,661
Benchi – Maji	Holder	9,631	14,783	3,724	106,667	8,184	128,091
	Hectare	4,249	5,076	967	43,815	2,963	57,070
Yem	Holder	1,712	705	-	6,966	10,479	15,186
	Hectare	651	*	-	6,261	9,813	17,011
Amaro	Holder	5,270	7,703	*	9,374	8,990	28,597
	Hectare	2,177	3,019	*	6,029	4,080	15,481
Burji	Holder	1,316	423	*	6,422	1,937	8,870
	Hectare	783	83	*	3,848	584	5,327
Konso	Holder	32,173	9,038	*	5,291	*	36,996
	Hectare	16,294	5,444	*	*	*	27,453
Derashe	Holder	11,085	12,984	*	6,812	3,487	25,839
	Hectare	3,831	9,463	*	3,326	*	18,810
Dawro	Holder	6,225	6,303	*	62,494	16,678	79,059
	Hectare	2,044	*	*	33,309	7,433	44,863
Basketo	Holder	1,176	1,994	530	8,725	*	11,747
	Hectare	432	803	138	4,310	*	5,684
Konta	Holder	324	884	641	16,698	2,572	19,255
	Hectare	168	322	242	13,142	1,684	15,558
Silitie	Holder	35,402	21,106	*	116,623	16,789	142,959
	Hectare	14,022	6,127	*	77,524	6,006	104,178
Alaba	Holder	3,820	2,389	*	35,064	2,242	35,399
	Hectare	*	158	*	31,758	23	32,896
<b>Harari Region</b>	Holder	14,926	2,972	*	*	713	16,699
	Hectare	11,157	1,477	*	*	1	12,682
<b>Addis Abeba</b>	Holder	475	283	166	*	6,230	6,761
	Hectare	270	248	*	*	9,879	10,773
<b>Dire Dawa</b>	Holder	15,871	2,868	*	-	*	16,878
	Hectare	9,255	878	*	-	*	10,134

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
<b>Ethiopia</b>	603,132	2,626,129	178,650	104,593	2,079,429	2,293,407	536,017
<b>Tigray Region</b>	51,300	202,801	11,238	4,069	13,062	112,049	53,015
North West Tigray	8,838	32,266	2,717	*	*	12,165	7,386
Central Tigray	6,191	63,488	2,021	*	3,684	39,337	16,355
East Tigray	11,029	46,687	-	-	*	27,301	9,267
South Tigray	9,632	48,175	6,451	*	6,752	31,210	14,927
Western Tigray	15,611	12,185	50	844	736	2,037	5,079
<b>Afar Region</b>	5,278	1,666	*	*	2,426	1,266	1,518
Zone 1	4,930	749	-	*	1,933	494	*
Zone 3	348	917	*	*	493	772	1,475
<b>Amhara Region</b>	161,734	893,793	112,386	79,398	87,412	590,490	137,892
North Gondar	60,160	141,535	8,499	*	21,952	75,362	14,995
South Gondar	14,393	146,613	9,046	4,409	11,920	70,464	11,808
North Wollo	11,886	99,463	16,036	6,236	5,167	61,386	14,888
South Wollo	28,973	107,613	30,646	14,222	8,188	115,398	16,879
North Shewa	12,294	109,386	7,310	*	9,550	68,915	28,567
East Gojjam	10,033	121,455	14,210	*	14,044	62,249	14,385
West Gojjam	10,847	113,074	7,901	2,750	3,951	65,247	11,583
Waghamera	*	17,599	6,159	1,117	3,314	20,533	6,571
Awı	8,984	22,579	9,798	24,043	4,615	30,828	15,256
Oromia Zone	2,411	14,476	2,781	*	4,711	20,108	2,962
<b>Oromia Region</b>	248,838	912,578	34,604	12,214	725,649	1,073,453	258,266
West Welega	34,672	62,253	*	*	14,163	51,858	10,223
East Welega	11,464	37,618	1,743	*	14,697	39,624	18,097
Illubabor	11,851	66,092	926	484	22,183	46,643	20,297
Jimma	38,145	152,895	*	*	19,613	70,872	59,608
West Shewa	32,153	58,426	3,162	-	22,736	89,831	32,821
South West Shewa	13,601	23,955	*	*	8,905	52,717	13,713
North Shewa	13,663	30,368	2,228	-	*	74,049	13,152
East Shewa	13,090	100,128	3,280	-	7,498	140,765	20,285
Arsi	3,858	94,611	2,050	-	45,481	96,542	7,365
West Harerge	8,407	71,714	3,749	*	278,556	83,722	9,754
East Harerge	*	44,381	*	-	*	59,210	9,027
Bale	*	13,014	*	*	53,380	27,280	-
Borena	18,816	42,132	2,967	-	11,546	37,162	10,704
Guji	*	9,718	*	*	113,312	28,114	*
Kelem	13,237	37,273	2,657	435	24428	29067	11567
Horoguduru	5,931	15,778	899	1570	8744	17892	6872
West Arsi	15,930	52,224	*	*	69631	128105	13211
<b>Somali Region</b>	2,071	14,436	828	*	21,449	29,609	13,543
Shinele	58	494	-	-	1,874	518	47
Jijiga	617	12,960	828	*	4,808	26,026	12,953
Liben	1,396	982	-	-	14,767	3,065	*
<b>Benishangul – Gumuz Region</b>	8,762	13,619	521	995	80,765	14,119	3,420
Metekel Zone	3,748	5,017	-	-	19,282	6,246	1,170
Asosa	2,985	6,344	242	89	45,309	6,416	1,787
Kemashi	2,029	2,258	*	906	16,174	1,457	462
<b>S.N.N.P Region</b>	124,570	581,323	18,512	5,462	1,131,617	463,799	67,434
Gurage	36,187	38,019	*	*	126,051	28,410	10,332
Hadiya	9,928	76,090	*	*	11,827	82,565	*
Kembata – Tembaro	*	42,070	*	-	23,669	40,582	1,499
Sidama	*	32,065	*	*	504,886	20,274	*
Gedio	9,561	2,054	*	-	139,535	*	*
Wolayita	2,939	111,320	1,018	1,052	47,214	83,971	4,314
South Omo	11,329	9,947	*	*	31,747	13,466	3,884

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	4,030	8,113	*	-	10,325	5,063	3,398
Keffa	9,787	69,775	*	*	7,423	32,853	15,627
Gamo - Gofa	6,345	55,843	2,472	995	130,020	29,402	2,907
Benchi – Maji	8,338	32,380	471	-	31,064	25,627	1,807
Yem	*	4,475	*	*	885	3,033	603
Amaro	*	4,725	*	*	8,656	5,405	197
Burji	220	768	-	-	325	2,268	136
Konso	*	3,759	485	-	16,971	5,201	1,498
Derashe	939	3,409	*	-	7,964	3,108	*
Dawro	2,141	21,839	*	*	14,385	22,873	4,191
Basketo	1,263	2,831	106	-	5,555	598	87
Konta	267	7,257	-	57	1,508	4,741	848
Silitie	10,186	42,312	1,742	-	10,685	42,547	8,490
Alaba	1,626	12,270	*	-	920	10,995	960
<b>Harari Region</b>	336	2,041	133	*	9,170	2,206	431
<b>Addis Abeba</b>	*	395	*	*	1,121	1,395	277
<b>Dire Dawa</b>	213	3,478	*	*	6,760	5,021	223

## **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  $h^{\text{th}}$  stratum.

$M_h$  is the measure of size of the  $h^{\text{th}}$  stratum as obtained from the sampling frame.

$m_{hi}$  is the measure of size of the  $i^{\text{th}}$  sample EA in the  $h^{\text{th}}$  stratum obtained from the sampling frame.

$H_{hi}$  is the total number of agricultural households of the  $i^{\text{th}}$  sample EA in the  $h^{\text{th}}$  stratum.

$h_{hi}$  is the number of sample agricultural households successfully covered in the  $i^{\text{th}}$  sample EA in the  $h^{\text{th}}$  stratum.

$a_{hij}$  is the value of area for agricultural households  $j$ , in the  $i^{\text{th}}$  EA in the  $h^{\text{th}}$  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  $i^{\text{th}}$  EA in the  $h^{\text{th}}$  stratum.

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

$q_{hi}$  is the sample total of a specific fertilizer applied or seed sowed for a specific crop land in the  $i^{\text{th}}$  EA in the  $h^{\text{th}}$  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  $i^{\text{th}}$  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  $i^{\text{th}}$  EA and  $h^{\text{th}}$  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  $j^{\text{th}}$  agricultural household in the  $i^{\text{th}}$  EA and  $h^{\text{th}}$  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
<b>All</b>	5,271,173	113,907	2	4,045,834	157,756	4	1,747,159	76,658	4
<b>Cereals</b>	4,330,790	105,080	2	3,544,238	140,230	4	1,573,240	71,239	5
Teff	1,425,135	57,220	4	1,163,401	70,002	6	535,907	31,979	6
Barley	437,929	27,721	6	278,320	23,133	8	197,809	21,523	11
Wheat	1,051,269	55,370	5	1,176,416	78,472	7	473,153	41,430	9
Maize	960,880	33,715	4	766,244	45,485	6	217,677	20,365	9
Sorghum	261,339	15,320	6	68,417	12,220	18	19,672	3,192	16
Finger millet	182,471	18,100	10	85,334	11,116	13	121,545	15,714	13
Oats / 'Aja'	11,415	1,956	17	5,683	1,118	20	7,431	1,812	24
Rice	352	135	38	*	*	*	45	37	83
<b>Pulses</b>	274,915	14,271	5	158,817	16,126	10	95,483	10,298	11
Horse/Faba beans	127,906	7,768	6	56,114	9,276	17	36,879	4,428	12
Field Peas	52,084	5,860	11	31,421	4,815	15	27,056	5,139	19
Haricot beans	58,140	6,307	11	55,090	10,781	20	24,528	5,241	21
Chick peas	10,299	1,408	14	2,494	1,059	42	1,152	467	41
Lentils	14,473	2,773	19	4,079	810	20	3,601	820	23
Vetch / Grass peas	5,203	1,166	22	594	289	49	384	229	60
Soya beans	1,767	565	32	1,500	600	40	753	426	57
Fenugreek	3,703	493	13	*	*	*	582	224	38
Gibto	1,340	365	27	3,989	1,954	49	547	233	43
<b>Oilseeds</b>	76,210	5,688	7	95,476	17,583	18	23,260	3,313	14
Neug	15,436	2,484	16	4,902	1,154	24	5,133	1,470	29
Linseed	15,194	2,561	17	5,359	1,123	21	8,217	2,094	25
Groundnuts	8,191	2,820	34	3,003	1,203	40	1,160	729	63
Safflower	3,279	763	23	6,959	2,571	37	664	371	56
Sesame	11,150	1,239	11	2,975	509	17	1,806	584	32
Rapeseed	22,960	2,676	12	72,278	16,928	23	6,280	1,454	23
<b>Vegetables</b>	66,349	6,183	9	57,543	14,405	25	10,687	2,534	24
Lettuce	371	159	43	340	226	66	9	8	99
Head cabbage	1,376	222	16	1,109	333	30	372	173	47
Ethiopian cabbage	18,028	766	4	2,861	857	30	508	237	47
Tomatoes	4,607	3,008	65	10,560	8,942	85	436	394	90
Green peppers	3,722	373	10	1,101	478	43	211	92	43
Red peppers	38,163	5,258	14	41,549	10,871	26	9,151	2,480	27
Swiss chard	83	15	18	23	13	56	-	-	-
<b>Root crops</b>	118,229	9,472	8	80,871	13,481	17	31,447	7,667	24
Beetroot	1,222	392	32	995	534	54	213	142	67
Carrot	697	227	33	733	362	49	109	62	57
Onion	13,795	3,257	24	18,169	5,427	30	4,620	2,732	59
Potatoes	56,482	8,364	15	49,622	11,527	23	25,037	7,046	28
Garlic	6,104	827	14	6,323	3,104	49	416	167	40
Taro 'Godere'	13,788	1,249	9	642	353	55	430	280	65
Sweet potatoes	26,140	1,398	5	4,387	1,386	32	622	262	42
Other Temporary	32,814	2,088	6	11,758	1,918	16	2,796	1,332	48
<b>Permanent crops</b>	371,867	11,740	3						
Avocado	2,772	209	8						
Bananas	10,103	828	8						
Guava	537	111	21						
Lemons	248	39	16						
Mangoes	1,734	300	17						
Oranges	1,106	161	15						
Papayas	1,202	178	15						
Pineapples	68	44	65						
Chat	68,821	5,700	8						
Coffee	63,295	4,790	8						
Hops / 'Gesho'	10,423	1,276	12						
Enset	202,495	7,255	4						
Sugar cane	5,892	609	10						
Other permanent	3,169	439	14						

## 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	1,401,812	67,121	5	203,574	23,836	12	170,281	24,592	14
Cereals	1,195,042	58,160	5	176,670	21,578	12	124,644	17,286	14
Teff	333,920	20,844	6	89,581	16,724	19	44,335	10,303	23
Barley	164,217	18,489	11	7,034	2,474	35	4,453	1,189	27
Wheat	426,815	35,854	8	25,899	5,684	22	21,928	6,339	29
Maize	182,620	20,684	11	29,101	4,335	15	35,385	6,554	19
Sorghum	17,830	2,915	16	16,889	5,371	32	16,654	5,400	32
Finger millet	65,366	9,445	14	8,134	3,068	38	1,850	491	27
Oats / ‘Aja’	4,259	1,046	25	*	*	*	*	*	*
Rice	*	*	*	*	*	*	*	*	*
Pulses	97,857	12,262	13	4,159	942	23	8,844	4,033	46
Horse/Faba beans	37,732	8,317	22	758	220	29	855	306	36
Field Peas	25,455	4,304	17	*	*	*	*	*	*
Haricot beans	29,134	6,369	22	1,364	632	46	*	*	*
Chick peas	668	275	41	*	*	*	*	*	*
Lentils	2,107	521	25	917	424	46	278	122	44
Vetch / Grass peas	*	*	*	*	*	*	*	*	*
Soya beans	*	*	*	124	26	21	66	15	24
Fenugreek	820	212	26	*	*	*	*	*	*
Gibto	*	*	*	-	-	-	-	-	-
Oilseeds	25,355	4,474	18	5,598	912	16	4,296	901	21
Neug	2,928	1,042	36	*	*	*	*	*	*
Linseed	3,814	978	26	171	76	44	218	94	43
Groundnuts	*	*	*	1,798	714	40	1,694	687	41
Safflower	*	*	*	336	158	47	*	*	*
Sesame	908	262	29	2,501	425	17	1,116	352	32
Rapeseed	14,114	3,483	25	272	121	44	436	153	35
Vegetables	14,656	3,437	23	4,260	1,147	27	5,224	1,867	36
Lettuce	*	*	*	*	*	*	*	*	*
Head cabbage	550	260	47	*	*	*	*	*	*
Ethiopian cabbage	1,783	687	39	16	6	39	23	10	45
Tomatoes	*	*	*	*	*	*	*	*	*
Green peppers	105	40	38	*	*	*	*	*	*
Red peppers	11,915	3,124	26	3,224	959	30	3,094	1,006	33
Swiss chard	-	-	-	*	*	*	*	*	*
Root crops	41,106	10,251	25	2,709	743	27	3,982	1,342	34
Beetroot	*	*	*	*	*	*	*	*	*
Carrot	*	*	*	*	*	*	*	*	*
Onion	4,728	1,932	41	*	*	*	*	*	*
Potatoes	33,757	10,004	30	790	318	40	917	421	46
Garlic	598	153	26	129	40	31	306	101	33
Taro ‘Godere’	*	*	*	*	*	*	*	*	*
Sweet potatoes	939	289	31	692	337	49	875	407	47
Other Temporary	4,099	970	24	692	258	37	1,156	341	30
Permanent crops	-	-	-	-	-	-	-	-	-
Avocado	-	-	-	-	-	-	-	-	-
Bananas	-	-	-	-	-	-	-	-	-
Guava	-	-	-	-	-	-	-	-	-
Lemons	-	-	-	-	-	-	-	-	-
Mangoes	-	-	-	-	-	-	-	-	-
Oranges	-	-	-	-	-	-	-	-	-
Papayas	-	-	-	-	-	-	-	-	-
Pineapples	-	-	-	-	-	-	-	-	-
Chat	-	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-	-
Hops / ‘Gesho’	-	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	-	-	-	-
Other permanent	-	-	-	-	-	-	-	-	-

**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
<b>All</b>	1,711,678	75,154	4	2,473,741	136,310	6	11,427,794	151,165	1
<b>Cereals</b>	1,631,374	72,729	4	2,224,552	126,073	6	8,127,710	119,892	1
Teff	711,733	45,500	6	785,147	67,144	9	2,391,502	65,945	3
Barley	93,652	11,630	12	109,651	13,159	12	1,016,089	47,561	5
Wheat	461,301	34,520	7	727,673	68,885	9	1,425,964	59,097	4
Maize	312,576	19,143	6	548,238	37,198	7	1,420,699	37,041	3
Sorghum	22,929	5,042	22	33,933	7,954	23	1,458,889	47,178	3
Finger millet	28,023	5,572	20	18,118	4,514	25	373,608	21,976	6
Oats / 'Aja'	994	253	25	1,408	360	26	32,798	3,617	11
Rice	*	*	*	*	*	*	*	*	*
<b>Pulses</b>	21,725	2,161	10	52,117	7,194	14	1,373,914	37,660	3
Horse/Faba beans	7,354	980	13	17,526	3,848	22	458,568	17,397	4
Field Peas	4,407	917	21	5,729	1,137	20	221,444	11,338	5
Haricot beans	5,316	1,233	23	20,062	5,318	27	222,116	14,162	6
Chick peas	262	86	33	528	219	42	198,811	15,507	8
Lentils	2,260	580	26	1,694	423	25	96,019	7,697	8
Vetch / Grass peas	*	*	*	*	*	*	124,911	12,275	10
Soya beans	525	78	15	637	131	21	5,763	1,185	21
Fenugreek	958	319	33	*	*	*	20,756	2,737	13
Gibto	270	125	46	2,942	1,423	48	25,526	5,424	21
<b>Oilseeds</b>	11,575	1,753	15	65,826	16,066	24	736,791	30,554	4
Neug	571	148	26	1,649	494	30	274,718	17,885	7
Linseed	835	257	31	1,326	443	33	172,345	13,511	8
Groundnuts	107	35	33	320	101	32	36,846	8,237	22
Safflower	1,046	442	42	3,852	1,410	37	13,000	2,251	17
Sesame	1,502	188	13	951	137	14	210,337	18,138	9
Rapeseed	7,515	1,643	22	57,728	15,972	28	29,544	2,893	10
<b>Vegetables</b>	16,329	4,600	28	37,663	12,848	34	94,636	6,841	7
Lettuce	*	*	*	*	*	*	348	162	46
Head cabbage	189	58	31	479	148	31	1,948	305	16
Ethiopian cabbage	196	75	38	1,055	451	43	23,416	865	4
Tomatoes	*	*	*	*	*	*	*	*	*
Green peppers	*	*	*	*	*	*	6,867	519	8
Red peppers	12,739	3,934	31	26,540	10,192	38	56,762	6,026	11
Swiss chard	5	2	45	*	*	*	104	16	15
<b>Root crops</b>	15,008	2,738	18	35,783	6,793	19	186,804	10,563	6
Beetroot	*	*	*	*	*	*	1,253	221	18
Carrot	*	*	*	*	*	*	747	212	28
Onion	3,677	1,170	32	11,610	4,260	37	20,527	3,770	18
Potatoes	8,333	2,054	25	14,948	3,547	24	72,529	8,977	12
Garlic	*	*	*	*	*	*	9,255	906	10
Taro 'Godere'	*	*	*	*	*	*	29,303	1,599	5
Sweet potatoes	1,102	410	37	2,573	1,106	43	53,189	3,163	6
Other Temporary	2,350	948	40	6,503	1,522	23	97,575	8,387	9
<b>Permanent crops</b>	-	-	-	-	-	-	810,364	22,252	3
Avocado	-	-	-	-	-	-	4,452	352	8
Bananas	-	-	-	-	-	-	30,178	1,400	5
Guava	-	-	-	-	-	-	1,306	157	12
Lemons	-	-	-	-	-	-	668	67	10
Mangoes	-	-	-	-	-	-	6,508	587	9
Oranges	-	-	-	-	-	-	2,559	322	13
Papayas	-	-	-	-	-	-	2,584	287	11
Pineapples	-	-	-	-	-	-	*	*	*
Chat	-	-	-	-	-	-	147,692	8,444	6
Coffee	-	-	-	-	-	-	281,188	15,456	6
Hops / 'Gescho'	-	-	-	-	-	-	23,703	2,629	11
Enset	-	-	-	-	-	-	278,690	8,835	3
Sugar cane	-	-	-	-	-	-	17,376	1,426	8
Other permanent	-	-	-	-	-	-	12,780	1,268	10



# 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
<b>All</b>	1,738,571	73,213	4	134,545	11,989	9	1,523,730	80,825	5
<b>Cereals</b>	1,671,288	72,067	4	71,084	8,619	12	1,424,319	77,062	5
Teff	731,899	38,494	5	9,044	1,986	22	433,727	38,094	9
Barley	165,233	18,706	11	5,032	1,380	27	121,314	16,604	14
Wheat	632,887	45,250	7	5,604	1,342	24	368,251	39,412	11
Maize	41,853	6,494	16	41,060	6,642	16	379,733	24,548	6
Sorghum	55,287	6,962	13	9,241	2,054	22	31,549	5,900	19
Finger millet	36,546	6,290	17	1,047	443	42	84,338	13,897	16
Oats / 'Aja'	7,508	1,725	23	*	*	*	5,202	1,508	29
Rice	*	*	*	*	*	*	*	*	*
<b>Pulses</b>	28,198	5,532	20	6,496	1,282	20	36,974	4,590	12
Horse/Faba beans	3,298	647	20	1,191	342	29	14,485	2,260	16
Field Peas	7,372	2,674	36	495	170	34	4,345	971	22
Haricot beans	*	*	*	1,029	410	40	8,255	2,275	28
Chick peas	2,422	897	37	2,304	761	33	2,128	692	33
Lentils	5,379	2,068	38	*	*	*	*	*	*
Vetch / Grass peas	1,156	558	48	*	*	*	1,622	482	30
Soya beans	*	*	*	*	*	*	*	*	*
Fenugreek	*	*	*	473	155	33	895	325	36
Gibto	*	*	*	*	*	*	573	281	49
<b>Oilseeds</b>	6,884	1,242	18	939	179	19	22,002	3,334	15
Neug	344	152	44	271	115	43	2,541	532	21
Linseed	5,779	1,217	21	191	94	49	4,584	1,265	28
Groundnuts	*	*	*	19	9	47	692	285	41
Safflower	*	*	*	*	*	*	1,127	483	43
Sesame	311	96	31	257	63	25	*	*	*
Rapeseed	130	46	36	163	73	45	8,661	1,571	18
<b>Vegetables</b>	*	*	*	7,321	3,138	43	11,750	3,560	30
Lettuce	-	-	-	19	5	29	*	*	*
Head cabbage	*	*	*	421	148	35	196	69	35
Ethiopian cabbage	133	44	33	223	46	21	113	47	42
Tomatoes	*	*	*	*	*	*	*	*	*
Green peppers	*	*	*	1,053	321	30	197	72	37
Red peppers	1,053	344	33	1,724	387	22	10,415	3,529	34
Swiss chard	*	*	*	35	9	25	18	6	35
<b>Root crops</b>	16,738	6,009	36	9,501	1,642	17	10,765	3,123	29
Beetroot	*	*	*	192	82	43	*	*	*
Carrot	*	*	*	147	64	43	*	*	*
Onion	4,494	2,220	49	4,874	1,461	30	2,735	996	36
Potatoes	11,870	5,582	47	2,326	551	24	5,998	2,563	43
Garlic	*	*	*	849	133	16	*	*	*
Taro 'Godere'	46	13	28	19	2	13	7	3	36
Sweet potatoes	259	120	46	1,094	347	32	723	275	38
Other Temporary	866	305	35	6,674	364	5	3,532	1,553	44
<b>Permanent crops</b>	10,342	2,466	24	32,531	3,127	10	14,388	2,483	17
Avocado	*	*	*	247	31	13	37	15	40
Bananas	38	16	42	7,409	387	5	434	155	36
Guava	*	*	*	239	64	27	74	33	45
Lemons	*	*	*	164	21	13	*	*	*
Mangoes	*	*	*	1,378	100	7	195	77	39
Oranges	*	*	*	498	115	23	36	18	49
Papayas	3	1	47	650	189	29	*	*	*
Pineapples	-	-	-	*	*	*	*	*	*
Chat	6,200	1,670	27	7,861	1,532	19	6,295	1,817	29
Coffee	*	*	*	7,514	1,761	23	5,515	1,308	24
Hops / 'Gescho'	102	35	34	1,996	289	14	885	193	22
Enset	756	340	45	1,365	299	22	*	*	*
Sugar cane	*	*	*	2,847	677	24	*	*	*
Other permanent	45	22	49	362	76	21	135	41	30

### 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 2006/07 (1999 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	40	40	800	800
	Eastern Tigray	29	29	580	580
	Southern Tigray	40	40	800	800
	Western Tigray	25	25	500	499
	<b>Region Total</b>	<b>165</b>	<b>165</b>	<b>3300</b>	<b>3299</b>
Afar	Zone One	24	24	480	478
	Zone Three	24	23	480	449
	<b>Region Total</b>	<b>48</b>	<b>47</b>	<b>960</b>	<b>927</b>
Amhara	North Gondar	44	44	880	877
	South Gondar	44	44	880	879
	North Wello	46	46	920	920
	South Wello	48	48	960	960
	North Shewa	40	40	800	796
	East Gojam	48	47	960	939
	West Gojam	48	48	960	960
	Wag Hemira	28	28	560	560
	Awi	32	32	640	640
	Oromia	28	28	560	559
	<b>Region Total</b>	<b>406</b>	<b>405</b>	<b>8120</b>	<b>8090</b>
Oromia	West Wellega	36	36	720	719
	East Wellega	36	36	720	719
	Illubabor	36	36	720	720
	Jimma	48	48	960	960
	West Shewa	42	42	840	840
	North Shewa	34	34	680	680
	East Shewa	40	39	800	777
	Arsi	46	46	920	920
	West Harerghe	40	39	800	780
	East Harerghe	44	42	880	840
	Bale	40	34	800	679
	Borena	36	36	720	717
	South West Shewa	40	40	800	798
	Guji	36	35	720	695
	Kelem	36	36	720	719
	Horoguduru	36	36	720	720
	West Arsi	40	40	800	800
	<b>Region Total</b>	<b>666</b>	<b>655</b>	<b>13320</b>	<b>13083</b>

**Appendix III(a).** Number of Planned and Actually Covered Sampling Units (EAs & Households) of the 2006/7 (1999 E.C.) Annual Agricultural Sample Survey (Meher Season).

Region	Stratum	Enumeration Areas		Households	
	Zone/Sp.wereda	Planned	Covered	Planned	Covered
<b>Somali</b>	Shinile	20	20	400	399
	Jijiga	28	28	560	549
	Liben	24	20	480	394
	<b>Region Total</b>	<b>72</b>	<b>68</b>	<b>1440</b>	<b>1342</b>
<b>Benishangul-Gumuz</b>	Metekel	28	27	560	540
	Asosa	28	28	560	560
	Kemashi	24	23	480	460
	<b>Region Total</b>	<b>80</b>	<b>78</b>	<b>1600</b>	<b>1560</b>
<b>SNNP</b>	Guraghe	38	38	760	759
	Hadiya	34	34	680	663
	Kembata_Tambaro	33	33	660	659
	Sidama	44	44	880	876
	Gedeo	34	34	680	674
	Wolayita	40	40	800	800
	South Omo	33	33	660	660
	Shaka	24	24	480	480
	Keffa	36	36	720	719
	Gamo_Gofa	40	40	800	800
	Bench_Maji	32	31	640	620
	Yem Specia Wereda	20	20	400	400
	Amaro Special W.	20	20	400	400
	Burji Special Wereda	20	20	400	400
	Konso Special Wereda.	20	20	400	399
	Derashe Special Wereda.	20	18	400	360
	Dawro	32	32	640	639
	Basketo Special Wereda.	20	20	400	400
	Konta Special Wereda.	20	20	400	400
	Siltie	32	32	640	640
	Alaba Special Wereda.	20	20	400	400
	<b>Region Total</b>	<b>612</b>	<b>609</b>	<b>12240</b>	<b>12148</b>
<b>Harari</b>	<b>Harari</b>	<b>24</b>	<b>24</b>	<b>480</b>	<b>480</b>
<b>Addis Ababa</b>	<b>Addis Ababa</b>	<b>20</b>	<b>20</b>	<b>400</b>	<b>399</b>
<b>Dire Dawa</b>	<b>Dire Dawa</b>	<b>24</b>	<b>24</b>	<b>480</b>	<b>479</b>
<b>Country Total</b>		<b>2117</b>	<b>2095</b>	<b>43300</b>	<b>41807</b>



**APPENDIX-III (b) Number of Planned and Actually Covered Sampling Units**  
(Resettlement localities & Households) of the 2006/7 (1999 E.C.) Annual Agricultural Sample Survey (Meher Season).

Region	Stratum	Resettlement localities		Households	
	Zone/Sp.wereda	Planned	Covered	Planned	Covered
Tigray	North Western Tigray		2	2	40
	Western Tigray		32	32	640
	<b>Region Total</b>		<b>34</b>	<b>34</b>	<b>680</b>
Amhara	North Gonder		32	32	640
	Awi		2	2	40
	<b>Region Total</b>		<b>34</b>	<b>34</b>	<b>680</b>
Oromia	West Wellega		39	39	780
	East Wellega		21	21	420
	Illubabor		40	40	800
	Jimma		6	6	120
	West Shewa		4	4	80
	Bale		10	9	200
	Guji		6	6	120
	<b>Region Total</b>		<b>126</b>	<b>125</b>	<b>2520</b>
Benishangul-	Asosa		2	2	40
Gumuz	<b>Region Total</b>		<b>2</b>	<b>2</b>	<b>40</b>
SNNP	Guraghe		4	4	80
	Wolayita		3	3	60
	South Omo		7	7	140
	Keffa		8	8	160
	Gamo_Gofa		10	10	200
	Benchi_Maji		5	5	100
	Amaro Special Wereda		3	2	60
	Dawro		4	4	80
	Basketo Special Wereda		5	5	100
	Konta Special Wereda		5	5	100
	<b>Region Total</b>		<b>54</b>	<b>53</b>	<b>1080</b>
<b>Country Total</b>			<b>250</b>	<b>248</b>	<b>5000</b>

**Appendix III (cont'd) Number of Parcels and Fields measured by Region and Zone**

<b>Region</b>	<b>Zone</b>	<b>Number of Parcels</b>	<b>Number of fields</b>
<b>Tigray</b>	N.W. Tigray	2867	7450
	Central Tigray	3616	11074
	Eastern Tigray	2393	8244
	Southern Tigray	3967	7486
	Western Tigray	3790	7874
	<b>Regional Total</b>	<b>16633</b>	<b>42128</b>
<b>Afar</b>	Zone One	1055	1386
	Zone Three	743	1908
	<b>Regional Total</b>	<b>1798</b>	<b>3294</b>
<b>Amhara</b>	North Gonder	6720	12594
	South Gonder	5088	9957
	North Wello	4466	9485
	South Wello	6094	11611
	North Shewa	5227	14436
	East Gojam	4792	9440
	West Gojam	5383	10681
	Wag Hemira	2593	5020
	Awi	3208	7731
	Oromia zone	1785	4461
	<b>Regional Total</b>	<b>45356</b>	<b>95416</b>
<b>Oromia</b>	West Wellega	3334	9443
	East Wellega	2627	7496
	Illubabor	5007	15593
	Jimma	3907	15280
	West Shewa	4409	12433
	North Shewa	4550	8625
	East Shewa	3762	7690
	Arsi	4183	10069
	West Harerghe	2352	7763
	East Harerghe	3055	8073
	Bale	3072	7672
	Borena	1665	5196
	South West Shewa	3934	11353
	Guji	1697	6769
	Kelem	5991	16157
	Horoguduru	4068	11041
	West Arsi	2231	7342
	<b>Region Total</b>	<b>59844</b>	<b>167995</b>

**Appendix III (cont'd) Number of Parcels and Fields measured by Region and Zone**

<b>Region</b>	<b>Zone</b>	<b>Number of Parcels</b>	<b>Number of fields</b>
<b>Somali</b>	Shinile	745	1885
	Jijiga	1284	3375
	Liben	764	1393
	<b>Regional Total</b>	<b>2793</b>	<b>6653</b>
<b>Benish-Gumuz</b>	Metekel	1917	4229
	Asosa	2223	5757
	Kemashi	1424	3113
	<b>Regional Total</b>	<b>5564</b>	<b>13099</b>
<b>SNNP</b>	Guraghe	1667	12205
	Hadiya	1301	11391
	Kembata_Tambaro	1360	11043
	Sidama	1855	8616
	Gedeo	1825	5105
	Wolayita	1365	12171
	South Omo	1942	6647
	Shaka	1537	5445
	Keffa	2471	12762
	Gamo_Gofa	3105	12668
	Bench_Maji	1909	7024
	Yem Spec.Wereda	1555	6432
	Amaro Special W.	1056	4203
	Burji Spec.Wereda	1237	4056
	Konso S. Wereda.	1494	2777
	Derashe Wereda.	1055	2704
	Dawro	1252	9235
	Basketo Wereda.	1226	8315
	Konta Sp. Wereda.	887	7670
	Siltie	1764	9772
	Alaba Sp. Wereda.	1056	5594
	<b>Regional Total</b>	<b>32919</b>	<b>165835</b>
<b>Harari</b>		<b>1844</b>	<b>4373</b>
<b>Addis Ababa</b>		<b>750</b>	<b>1664</b>
<b>Dire Dawa</b>		<b>1630</b>	<b>3570</b>
<b>Country</b>	<b>Total</b>	<b>170287</b>	<b>506810</b>

## **APPENDIX IV**

### QUESTIONNAIRE

CENTRAL STATISTICAL AUTHORITY  
ETHIOPIAN AGRICULTURAL SAMPLE SURVEY 2006/07 (1999 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 NAME	AGE	SEX M=1 F=2	HIGHEST GRADE COMPLETED	HOLDER'S HH SIZE	FARMING TYPE 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 coffee, chat, pineapple, sugarcane)	
0 9	Number of Fruit Bearing Trees (excluding coffee, chat, pineapple, sugarcane)	
1 0	Seed / Seedling Type Improved Seed = 1 indigenous seed = 2	
1 1	For Cereals, Pulses & Oilseeds only Quantity of improved seeds used	Kilo Gram Kilo Gram Kilo Gram
1 2	For Cereals, Pulses & Oilseeds only Price of improved seeds used	Birr Cents Birr Cents Birr Cents
1 3	For Cereals, Pulses & Oilseeds only Quantity of indigenous seeds used	Kilo Gram Kilo Gram Kilo Gram
1 4	Was crop damaged ? Yes = 1 No =2	
1 5	If yes in question number 14, Cause of damage Code	
1 6	Percent of damaged crop	
1 7	Prevention/precaution measure taken? Yes =1 No =2	
1 8	Type of measure if any? Chemical = 1 Non – chemical = 2 Both = 3	
1 9	Chemical type used if any Pesticide =1 herbicide =2 Fungicide =3 1&2 = 4 1 & 3 = 5 2 & 3 = 6 All = 7	
2 0	Is Fertilizer Used? Yes =1 No = 2	
2 1	Type of fertilizer used if any? Natural = 1 Chemical = 2 Both = 3	
2 2	If chemical fertilizer used 22.1 Type UREA = 1 DAP = 2 Both = 3	
	22.2 Quantity of chemical fertilizer used	Kilo Gram
2 3	If natural fertilizer used, type Manure = 1 Compost = 2 Organic = 3 1 & 2 = 4 1&3 = 5 2 & 3 = 6 All = 7 others = 8	
2 4	How often is temporary crop field used in Meher (main) season?	
2 5	If twice in #24 which crop is the 2 <sup>nd</sup> harvest?	Crop name code Crop name code Crop name code
2 6	What was the previous state of the field ? Fallow =1 crop field =2 Virgin =3 Rented in cropfield =4 other =5	

### PART III – RESULTS OF AREA MEASUREMENTS

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

CENTRAL STATISTICAL AUTHORITY  
ETHIOPIAN AGRICULTURAL SAMPLE SURVEY 2006/07 (1999 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 NAME		SEX M=1 F=2	HIGHEST GRADE COMPLETED	HOLDER'S HH SIZE	FARMING TYPE CROP=1 LIVEST=2 BOTH=3
									AGE				

## 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	How many oxen do you have in this Meher season?	
10	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	
11	Total number of fields recorded for the holder	
12	Total number of crop fields recorded for the holder	
13	Has the holder ploughed additional fields over that of the previous year? Yes =1 No = 2	
14	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	