

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

***AGRICULTURAL SAMPLE SURVEY***  
**2007 / 2008 (2000 E.C.)**

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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 2007/08 (2000 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 2007/08 (2000 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 2007/08 (2000 E.C) Annual Agricultural Sample Survey (Meher season) covered the entire rural parts of the country except the non-sedentary population of three zones of Afar & six zones of Somali regions. Accordingly, the survey took into account all parts of Harari, Dire Dawa, and 68 additional Zones / Special weredas (that are treated as zones) of other regions.

To be covered by the survey, a total of 2,200 enumeration areas (EAs) were selected. However, due to various reasons that are beyond control, in 75 EAs the survey could not be successful and hence interrupted. Thus, all in all the survey succeeded to cover 2,125 EAs (96.59%) throughout the regions. The Annual Agricultural Sample survey (Meher season) was conducted on the basis of 20 agricultural households selected from each EA. Regarding the ultimate sampling units, it was intended to cover a total of 44,200 agricultural households, however, 42,523 (96.21%) 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 2006/07 (1999 E.C) cartographic census frame was used as the sampling frame in order to select the primary sampling units (EAs). Consequently, all sample EAs were selected from this frame based on the design proposed for the survey. The second stage sampling units, households, were selected from a fresh list of households that were prepared for each EA at the beginning of the survey.

### **2.3 SAMPLE DESIGN**

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

The sample size for the 2007/08 (2000 E.C) 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 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.

### **2.4 SELECTION SCHEME**

Enumeration areas from each stratum were selected systematically using probability proportional to size sampling technique; size being number of agricultural households. The sizes for EAs were obtained from the 2006/07 (1999 E.C) cartographic census frame. From the fresh list of households prepared at the beginning of the survey 20 agricultural households within each sample EA were selected systematically.

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

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

The conduct of a survey cannot be executed without the arrangement of fieldwork. In recognition of this, the organization of fieldwork has been entrusted to the Department of Regional Offices and Field Operations that liaises between the Head Office and the 25 Branch Statistical Offices spread across the regions. All Branch Offices took part in the survey execution especially in recruiting the enumerators, organizing the 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 2311 enumerators, 462 field supervisors, 44 coordinators and 61 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 8 days targeted staff from the Head Office, statistician 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 2007/08 (2000 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 PC (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 97 data encoders, 4 data encoder supervisors, 8 data cleaning operators and 57 personal computers. The data entered into the computers using the entry module of the CSRO (Census and Survey Processing System) software, Which is a software package developed by the United States Bureau of the Census. Following the data entry operations, the data was further reviewed for data inconsistencies, missing data ... etc. by the regular professional staff from Natural Resources and Agricultural Statistics Department. The final stage of the data processing was to summarizing the cleaned data and produce statistical tables that present the results of the survey using the tabulation componenet of the PC based CSPRO software produced by professional staff from Data Processing Department. 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 4.5 million quintals and the extent of area to which fertilizer was applied is estimated to be 5.6 million hectares.

Of all the volume of fertilizers used 2.8 million quintals was that of a mixture of UREA and DAP and about 1.5 million quintals was that of DAP. Most of the fertilizer used was applied to Teff (more than 1.3 million quintals), wheat (1.2 million quintals) and maize (more than 940 thousand quintals). The largest area to which fertilizer was applied was that of Teff (more than 1.5 million hectares) followed by maize (nearly 1.0 million hectares) and wheat (more than 980 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 2007/08 (2000 E.C) was estimated to be more than 187 thousand quintals. The crop area it was applied to was estimated to be more than 432 thousand hectares. The larger volumes of improved seeds used were that of wheat and maize which amounted to about 76 thousand and more than 86 thousand quintals, respectively. The largest area to which improved seeds were applied was under maize and wheat estimated to be 344 thousand and 42 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 about 1.9 million hectares as indicated in Table 1. The number of holders who applied it was more than three million. Most of the crop area to which pesticide was applied was under Teff (more than 781 thousand hectares) and wheat (more than 621 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 179 thousand hectares. The farmers who practice irrigation

are estimated to number more than 1.2 million. Most of the area irrigated was under maize, Teff, sorghum and barely estimated to be about 40 thousand for maize, more than 18 thousand for both Teff and sorghum, and more than 12 thousand hectares for barely.

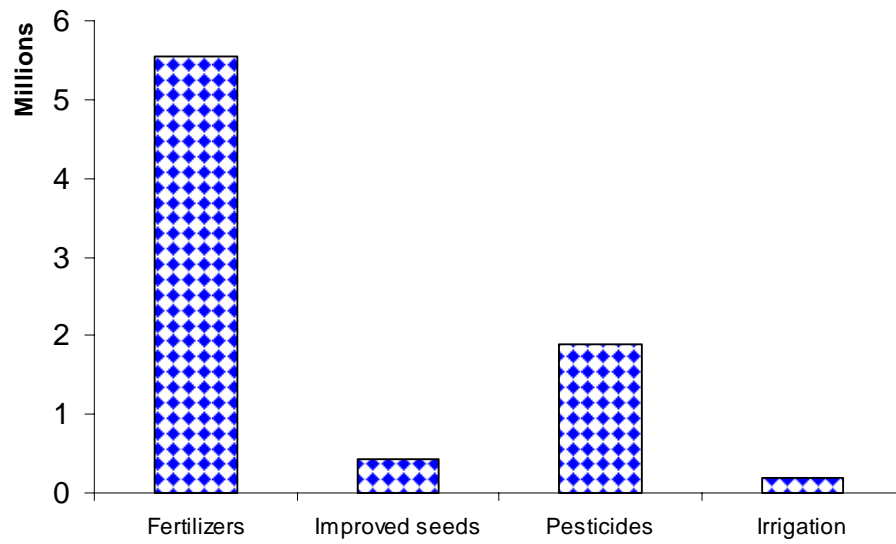
### **3.5 Extension package**

The number of holders participating in various crop extension packages was estimated to be about 2.3 million. Most of the area under the extension program was reported to be under maize, Teff, and wheat estimated to be more than 375 thousand, about 355 thousand and more than 311 thousand hectares, respectively, as shown in Table 1. The extension package embraced more than 1.1 million maize growers, more than 800 thousand teff growers and about 704 thousand wheat growers. Credit and advisory services users numbered about 3.8 million and more than 6.6 million holders, respectively, as shown in Table 4.

#### **Note:-**

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

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



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

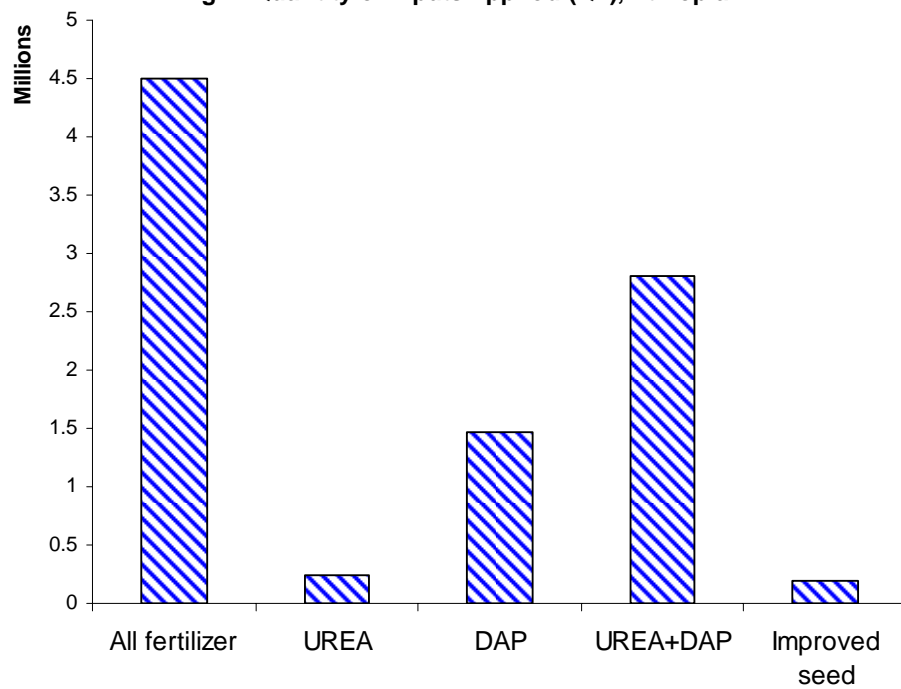




Table1. Number of Holders, Inputs Applied Area and Quantity of Inputs used

**Ethiopia**

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
<b>All</b>	12,382,434	5,557,175	4,506,715	8,648,494	1,864,073	2,936,353	1,710,405	1,459,842
<b>Cereals</b>	8,730,001	4,486,814	3,962,674	5,062,071	1,079,041	2,733,655	1,539,237	1,256,333
Teff	2,565,155	1,530,978	1,322,390	693,264	139,023	1,305,680	573,703	396,380
Barley	984,943	475,551	316,514	1,137,635	151,676	693,049	235,270	213,782
Wheat	1,424,719	984,632	1,204,071	739,686	99,851	989,222	403,873	379,927
Maize	1,767,389	995,386	946,140	3,479,525	416,539	768,292	177,810	163,212
Sorghum	1,533,537	290,202	50,013	1,028,199	242,717	94,186	12,500	10,628
Finger millet	399,268	197,509	117,850	163,546	25,908	323,166	128,038	88,141
Oats / 'Aja'	30,556	12,042	5,321	50,794	3,190	47,707	7,732	3,948
Rice	24,434	513	375	3,312	*	3,209	312	316
<b>Pulses</b>	1,517,662	304,396	160,467	1,958,963	163,983	620,455	106,756	94,685
Horse / Faba beans	520,520	148,476	73,804	1,081,322	84,521	336,064	51,128	43,648
Field Peas	211,798	56,576	34,969	287,723	21,844	166,608	29,436	28,073
Haricot beans	231,443	53,195	35,188	582,325	27,886	163,758	18,523	17,504
Chick peas	226,785	13,229	1,955	95,737	11,215	7,216	634	577
Lentils	107,428	13,305	5,489	80,151	6,006	43,270	4,209	2,781
Vetch / Grass peas	147,172	9,045	1,750	58,818	6,455	6,925	*	675
Soya beans	7,807	985	*	10,497	424	*	*	*
Fenugreek	38,310	8,214	3,071	189,185	5,032	12,602	612	301
Gibto	26,399	1,371	3,618	11,072	599	6,503	448	675
<b>Oilseeds</b>	707,059	86,577	136,243	609,664	44,690	153,153	19,252	25,649
Neug	285,237	15,529	3,715	59,080	8,432	17,935	6,085	2,382
Linseed	152,129	13,539	4,489	116,212	5,463	31,156	5,181	2,357
Groundnuts	40,198	*	8,293	71,763	*	3,577	247	218
Safflower	8,999	2,547	8,750	30,911	772	7,972	328	1,478
Sesame	185,912	11,472	1,182	46,436	8,729	2,986	*	*
Rapeseed	34,584	27,545	109,813	324,754	9,399	96,113	6,677	18,964
<b>Vegetables</b>	119,091	77,118	80,764	3,426,842	39,998	163,088	11,802	22,925
Lettuce	*	*	*	24,667	47	*	*	*
Head cabbage	1,989	1,391	*	174,073	863	10,672	*	*
Ethiopian cabbage	28,471	20,924	2,603	2,156,899	20,247	30,452	368	1,159
Tomatoes	4,800	*	*	62,664	510	2,920	*	*
Green peppers	7,952	4,000	1,537	626,862	3,179	8,629	125	269
Red peppers	75,341	48,185	69,026	932,697	15,061	114,727	10,830	18,915
Swiss chard	208	98	*	53,978	92	*	*	*
<b>Root crops</b>	184,329	104,349	61,445	2,791,527	71,391	313,708	21,338	31,450
Beetroot	1,840	1,091	*	171,913	684	9,090	*	*
Carrot	*	*	*	79,258	*	8,328	420	*
Onion	18,013	11,804	14,939	439,440	5,638	18,360	*	*
Potatoes	50,488	37,031	35,582	558,953	15,170	229,873	17,480	25,432
Garlic	9,317	6,234	3,941	908,213	4,831	32,467	491	1,190
Taro 'Godere'	38,286	17,864	*	730,096	17,557	7,711	*	*
Sweet potatoes	62,358	28,392	4,657	706,319	26,205	21,345	702	936
<b>Other Temporary</b>	84,977	32,268	13,548	1,648,922	28,964	30,036	998	1,863
<b>Permanent crops</b>	1,039,313	465,654		4,806,039	436,007			
Avocado	6,473	3,564		468,433	3,402			
Bananas	39,426	13,349		970,492	12,527			
Guava	1,792	555		117,209	538			
Lemons	823	311		66,145	307			
Mangoes	6,731	1,769		236,001	1,583			
Oranges	3,397	1,276		176,320	1,102			
Papayas	4,003	2,012		323,802	1,933			
Pineapples	87	*		2,948	*			
Chat	163,227	79,244		1,158,129	62,619			
Coffee	407,147	88,338		1,776,783	80,476			
Hops / 'Gesho'	25,214	11,506		923,576	10,418			
Enset	343,069	249,810		3,003,392	248,538			
Sugar cane	21,482	8,520		510,759	8,058			
Other permanent	16,442	5,378		472,740	4,486			

(Table 1cont'd.)

**Ethiopia**

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
<b>All</b>	753,955	257,695	241,108	2,697,640	1,725,002	2,805,765	13,236,354	11,927,093	9,011,144
<b>Cereals</b>	611,050	219,206	175,287	2,619,012	1,649,331	2,531,054	11,775,323	8,309,899	7,051,607
Teff	285,371	100,343	61,389	1,316,027	717,909	864,621	5,819,936	2,546,450	1,358,547
Barley	65,239	*	*	313,908	65,387	83,534	3,806,114	977,955	1,757,089
Wheat	129,851	34,199	30,746	1,088,771	446,709	793,398	4,057,525	1,381,942	2,625,410
Maize	192,627	30,442	39,068	1,128,126	370,595	743,860	7,060,071	1,421,279	643,412
Sorghum	66,867	20,333	20,661	70,669	14,652	18,725	4,255,998	1,529,047	399,821
Finger millet	48,066	10,322	3,970	132,075	33,241	25,740	1,352,715	398,340	175,051
Oats / 'Aja'	2,252	*	*	8,546	823	1,144	265,031	30,526	50,313
Rice	233	52	26	*	*	*	60,607	24,359	41,964
<b>Pulses</b>	65,953	7,989	10,459	214,761	25,667	55,322	6,757,467	1,509,394	1,724,139
Horse / Faba beans	23,600	2,627	2,571	88,179	10,201	27,585	3,586,452	518,785	760,440
Field Peas	9,766	1,003	1,636	25,678	4,294	5,259	1,473,564	210,799	267,404
Haricot beans	20,303	3,006	4,787	52,257	3,779	12,896	2,134,735	228,029	168,390
Chick peas	5,266	493	497	5,373	886	881	956,093	225,620	221,084
Lentils	2,149	*	*	26,404	2,685	2,355	803,776	106,950	106,972
Vetch / Grass peas	*	*	*	6,204	1,061	*	729,238	147,157	159,870
Soya beans	*	*	*	*	*	*	57,859	7,573	5,804
Fenugreek	8,405	221	*	23,087	2,349	*	606,997	38,202	20,980
Gibto	*	*	*	9,205	319	2,912	138,722	26,281	13,196
<b>Oilseeds</b>	54,969	8,059	10,906	180,347	14,576	99,688	2,989,465	702,518	235,398
Neug	5,424	438	130	5,387	574	1,203	1,020,827	285,049	56,364
Linseed	9,122	*	*	10,401	1,373	941	1,034,360	151,297	105,132
Groundnuts	18,110	*	*	2,824	*	*	249,014	39,954	23,381
Safflower	4,491	*	309	21,238	1,214	6,964	157,360	8,650	1,034
Sesame	4,871	1,926	725	*	*	*	525,021	184,866	25,870
Rapeseed	15,110	678	1,797	148,442	10,790	89,052	645,196	32,701	*
<b>Vegetables</b>	138,786	7,878	12,818	185,157	17,440	45,021	5,332,585	118,026	-
Lettuce	*	*	*	*	*	*	39,540	*	-
Head cabbage	*	*	*	*	*	*	260,794	1,792	-
Ethiopian cabbage	7,950	117	*	11,587	192	1,085	2,916,979	28,196	-
Tomatoes	2,527	*	*	6,415	*	*	139,883	4,767	-
Green peppers	14,552	275	310	32,283	421	958	1,057,006	7,696	-
Red peppers	111,089	7,197	11,679	132,500	15,098	38,431	1,935,364	75,056	-
Swiss chard	*	*	*	*	*	*	74,127	195	-
<b>Root crops</b>	103,941	3,440	6,717	124,598	8,180	23,278	4,979,403	180,624	-
Beetroot	*	*	*	4,267	*	*	258,618	1,621	-
Carrot	*	*	*	*	*	*	130,006	*	-
Onion	19,729	1,575	2,351	28,666	2,962	10,160	753,112	17,250	-
Potatoes	12,300	512	1,073	50,542	3,870	9,078	1,091,224	49,783	-
Garlic	46,200	336	1,045	34,387	576	1,706	1,476,374	9,117	-
Taro 'Godere'	*	*	*	*	*	*	1,281,012	38,056	-
Sweet potatoes	26,608	853	1,790	14,884	632	1,930	1,476,322	61,886	-
<b>Other Temporary</b>	34,035	906	2,445	49,890	1,400	9,240	2,879,139	83,041	-
<b>Permanent crops</b>							7,578,567	1,023,591	
Avocado							798,663	6,259	
Bananas							1,950,999	39,015	
Guava							267,771	1,736	
Lemons							158,101	768	
Mangoes							684,857	6,651	
Oranges							414,959	3,323	
Papayas							668,708	3,670	
Pineapples							9,843	50	
Chat							2,202,417	159,896	
Coffee							3,441,407	398,965	
Hops / 'Geshe'							1,765,614	24,773	
Enset							3,982,627	341,372	
Sugar cane							1,036,614	21,061	
Other permanent							1,012,982	16,053	

(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>	1,402,319	432,107	187,279	3,042,760	1,884,543	1,211,442	179,835	2,278,295	1,382,095
<b>Cereals</b>	1,179,529	412,629	179,942	2,819,358	1,811,716	445,298	97,886	2,117,685	1,267,422
Teff	48,041	17,599	8,030	1,655,658	781,288	81,235	18,414	800,505	354,805
Barley	18,079	6,083	9,169	605,639	204,134	68,298	12,156	341,675	108,734
Wheat	141,955	41,597	75,862	1,353,824	621,140	54,813	7,681	703,962	311,477
Maize	989,901	344,460	86,602	228,575	50,610	246,123	39,674	1,121,324	375,773
Sorghum	9,562	2,098	111	201,562	83,170	107,729	18,195	108,821	21,775
Finger millet	3,502	743	*	170,551	58,337	6,152	1,120	243,361	90,253
Oats / 'Aja'	-	-	-	50,432	8,942	4,766	*	22,244	4,084
Rice	*	*	*	*	*	*	*	4,373	520
<b>Pulses</b>	27,921	6,309	6,477	160,075	38,681	112,124	9,685	307,505	55,781
Horse / Faba beans	8,883	1,079	*	43,795	6,262	29,925	2,795	165,858	23,531
Field Peas	3,405	878	667	46,782	10,809	8,674	864	62,342	12,407
Haricot beans	7,227	2,621	2,793	29,061	5,948	24,491	1,163	58,170	6,272
Chick peas	4,468	918	822	22,373	8,023	20,277	3,088	24,107	5,134
Lentils	*	*	*	27,147	6,052	2,641	285	20,430	3,077
Vetch / Grass peas	*	*	-	8,046	1,332	9,140	775	14,924	2,990
Soya beans	*	*	*	1,202	*	*	*	*	*
Fenugreek	*	*	*	2,736	86	25,131	716	18,633	846
Gibto	*	*	-	*	*	*	*	10,521	*
<b>Oilseeds</b>	9,313	2,273	*	62,229	10,972	31,646	1,683	238,675	24,543
Neug	*	*	*	9,096	1,252	3,265	364	21,288	3,497
Linseed	2,290	*	*	39,737	8,123	14,592	635	25,473	5,376
Groundnuts	-	-	-	2,517	100	4,144	*	5,255	*
Safflower	-	-	-	*	*	3,095	*	16,518	494
Sesame	*	*	*	3,230	697	1,690	*	8,434	1,906
Rapeseed	2,725	*	*	3,806	*	4,860	88	175,108	12,617
<b>Vegetables</b>	33,269	501	-	64,372	3,999	276,847	6,630	200,088	11,126
Lettuce	*	*	-	*	*	13,296	*	4,282	*
Head cabbage	15,808	*	-	*	*	27,983	268	12,999	192
Ethiopian cabbage	3,997	*	-	22,402	228	48,424	413	27,208	*
Tomatoes	2,791	*	-	8,736	*	42,810	*	9,303	*
Green peppers	2,933	*	-	6,699	*	89,935	1,141	40,194	371
Red peppers	5,901	185	-	22,019	1,456	108,995	2,021	117,677	9,122
Swiss chard	7,574	12	-	*	*	19,561	54	6,133	16
<b>Root crops</b>	59,372	2,251	-	82,969	7,138	356,881	13,170	180,494	6,429
Beetroot	17,320	*	-	*	*	28,225	*	9,568	72
Carrot	21,464	*	-	3,125	31	25,196	343	8,301	*
Onion	*	*	-	10,278	*	109,158	5,080	35,334	*
Potatoes	3,758	95	-	44,683	3,810	69,195	3,060	65,941	3,156
Garlic	4,228	*	-	12,881	143	106,984	914	63,039	488
Taro 'Godere'	*	*	-	3,740	*	6,182	84	4,984	124
Sweet potatoes	3,223	75	-	8,926	422	100,659	3,376	22,682	485
<b>Other Temporary</b>	*	*	-	21,535	1,381	93,733	2,085	62,803	1,236
<b>Permanent crops</b>				148,773	10,656	749,483	48,696	223,638	15,559
Avocado				4,392	27	20,190	104	7,186	53
Bananas				11,272	102	207,493	4,337	25,426	436
Guava				*	*	49,045	392	7,181	71
Lemons				*	*	38,713	203	4,129	7
Mangoes				2,054	5	48,831	825	11,603	109
Oranges				2,035	*	58,234	515	2,742	25
Papayas				3,325	*	87,223	925	16,616	131
Pineapples				-	-	*	-	*	*
Chat				71,061	6,306	268,737	18,937	59,981	4,016
Coffee	90,936	5,828	-	35,001	1,561	264,680	10,939	72,045	7,159
Hops / 'Gesho'				11,410	304	242,924	3,099	57,663	1,007
Enset				20,442	1,458	40,676	2,208		
Sugar cane				3,261	*	152,476	5,167	13,822	337
Other permanent				6,951	410	89,223	1,045	18,406	910

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>	893,426	404,379	166,280	599,651	197,069	93,001	48,568	28,121
<b>Cereals</b>	709,836	376,422	161,444	539,800	172,781	89,059	47,472	26,818
Teff	178,742	101,188	52,329	98,751	19,857	40,959	15,789	7,532
Barley	114,923	63,889	36,495	200,082	32,631	21,404	5,835	5,423
Wheat	103,957	56,232	42,250	141,637	20,401	20,974	5,460	5,340
Maize	63,266	49,118	9,905	350,451	37,025	10,151	1,691	835
Sorghum	170,504	58,707	5,496	147,028	46,327	8,449	3,155	1,137
Finger millet	77,848	47,206	14,933	92,930	16,475	38,329	15,531	6,539
Oats / 'Aja'	*	*	-	*	*	-	-	-
Rice	*	*	*	*	*	*	*	*
<b>Pulses</b>	80,118	16,659	1,492	165,434	14,523	5,621	645	337
Horse / Faba beans	25,510	8,988	476	123,775	8,242	2,996	268	126
Field Peas	7,887	2,136	*	24,349	1,944	*	*	*
Haricot beans	6,400	*	*	4,015	134	*	*	*
Chick peas	15,075	1,732	134	11,548	1,466	1,362	*	*
Lentils	11,540	1,315	284	10,227	966	*	*	*
Vetch / Grass peas	11,534	1,336	*	7,007	1,242	*	*	*
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	2,165	627	94	16,631	528	*	*	*
Gibto	*	-	-	-	-	-	-	-
<b>Oilseeds</b>	88,369	6,844	1,054	40,492	6,085	*	*	*
Neug	8,175	1,008	*	11,031	946	-	-	-
Linseed	12,859	2,200	*	19,325	1,948	*	*	*
Groundnuts	*	*	*	-	-	*	*	*
Safflower	*	*	*	2,956	*	*	*	*
Sesame	66,877	3,415	*	12,453	3,124	*	*	*
Rapeseed	53	*	-	*	*	-	-	-
<b>Vegetables</b>	3,027	1,905	727	172,388	1,590	*	34	*
Lettuce	23	*	*	4,237	*	-	-	-
Head cabbage	65	49	*	5,141	44	-	-	-
Ethiopian cabbage	7	*	*	*	*	-	-	-
Tomatoes	441	151	163	13,827	115	*	*	*
Green peppers	693	467	336	45,577	312	*	*	*
Red peppers	1,783	1,216	196	115,116	1,098	*	*	*
Swiss chard	15	8	*	4,965	6	-	-	-
<b>Root crops</b>	1,686	736	454	65,581	516	*	*	*
Beetroot	*	*	-	*	*	-	-	-
Carrot	*	*	*	1,442	*	-	-	-
Onion	634	290	231	25,952	157	*	*	*
Potatoes	465	184	*	16,319	128	*	*	*
Garlic	561	256	113	34,648	225	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	-	*	*	-	-	-
<b>Other Temporary</b>	524	*	*	24,059	*	-	-	-
<b>Permanent crops</b>	9,867	1,596		60,368	1,366			
Avocado	*	*		*	*			
Bananas	161	*		3,303	14			
Guava	82	25		3,462	*			
Lemons	119	*		4,252	*			
Mangoes	*	*		*	*			
Oranges	*	6		3,521	6			
Papayas	254	*		8,449	*			
Pineapples	*	-		-	-			
Chat	*	*		*	*			
Coffee	*	*		2,389	*			
Hops / 'Geshe'	1,140	417		39,579	276			
Enset	-	-		-	-			
Sugar cane	*	*		*	*			
Other permanent	6,929	*		14,106	*			

(Table 1.1cont'd.)

**Tigray**

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
<b>All</b>	69,374	21,318	13,144	275,747	137,424	125,015	881,445	878,896	653,975
<b>Cereals</b>	61,720	20,863	12,440	272,227	135,306	122,187	865,346	696,823	547,225
Teff	29,811	7,999	3,700	173,930	57,543	41,096	503,239	175,139	91,255
Barley	17,081	3,458	3,130	95,887	21,964	27,942	449,692	114,602	184,578
Wheat	22,894	4,235	3,475	114,527	26,136	33,435	356,548	95,779	156,314
Maize	12,022	880	537	68,339	9,523	8,532	536,467	62,887	30,871
Sorghum	7,464	*	822	21,967	6,816	3,537	348,769	170,179	49,905
Finger millet	10,991	1,883	775	62,509	13,317	7,619	284,054	77,649	33,588
Oats / 'Aja'	-	-	-	-	-	-	2,486	*	*
Rice	-	-	-	*	*	*	1,027	*	*
<b>Pulses</b>	4,674	211	*	13,447	1,281	971	488,550	79,416	91,224
Horse / Faba beans	2,010	*	*	6,274	331	288	288,119	25,340	38,848
Field Peas	*	*	*	*	*	*	78,554	7,821	12,018
Haricot beans	*	*	*	*	*	*	56,517	6,400	2,620
Chick peas	-	-	-	*	*	*	80,207	14,689	11,923
Lentils	*	*	-	2,909	283	222	94,840	11,512	12,116
Vetch / Grass peas	-	-	-	*	*	-	60,232	11,534	12,364
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	*	*	*	*	*	*	56,083	2,114	1,324
Gibto	-	-	-	-	-	-	*	*	*
<b>Oilseeds</b>	3,019	*	98	7,769	346	*	267,008	88,333	15,526
Neug	*	*	*	*	*	*	59,947	8,175	2,174
Linseed	*	*	*	1,541	*	*	122,251	12,857	6,572
Groundnuts	-	-	-	-	-	-	*	*	*
Safflower	*	*	*	*	*	*	*	219	*
Sesame	*	*	*	*	*	*	115,570	66,877	6,621
Rapeseed	-	-	-	-	-	-	3,280	53	*
<b>Vegetables</b>	6,882	83	175	21,610	198	463	277,715	2,975	-
Lettuce	*	*	*	*	*	*	7,205	23	-
Head cabbage	*	*	*	-	-	-	6,738	54	-
Ethiopian cabbage	-	-	-	*	*	*	*	7	-
Tomatoes	1,553	*	*	*	*	*	32,093	441	-
Green peppers	2,410	*	48	13,434	122	275	88,064	676	-
Red peppers	2,295	*	57	6,157	*	131	165,539	1,761	-
Swiss chard	*	*	*	*	*	*	11,252	14	-
<b>Root crops</b>	4,196	74	166	8,472	*	260	133,421	1,670	-
Beetroot	-	-	-	-	-	-	*	*	-
Carrot	*	*	*	-	-	-	2,699	*	-
Onion	*	*	*	*	*	*	56,198	629	-
Potatoes	*	*	*	*	*	*	29,968	462	-
Garlic	2,036	*	20	5,677	*	*	74,031	554	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	1,185	*	-
<b>Other Temporary</b>	*	*	*	*	*	*	60,238	501	-
<b>Permanent crops</b>							223,623	9,179	
Avocado							*	*	
Bananas							9,410	98	
Guava							6,211	*	
Lemons							22,298	*	
Mangoes							3,133	*	
Oranges							10,080	*	
Papayas							16,183	93	
Pineapples							-	-	
Chat							11,929	*	
Coffee							7,326	*	
Hops / 'Geshe'							116,809	1,010	
Enset							-	-	
Sugar cane							*	*	
Other permanent							110,201	6,742	

(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>	67,077	13,626	15,311	97,824	46,336	190,889	21,999	324,262	166,861
<b>Cereals</b>	49,324	12,369	14,815	86,184	42,562	58,988	14,925	311,187	155,711
Teff	9,738	3,468	1,471	36,714	10,877	18,875	4,252	180,805	55,635
Barley	1,756	*	*	22,466	2,669	17,227	2,580	116,073	25,869
Wheat	34,285	7,783	13,036	18,549	2,844	21,263	3,403	129,580	30,093
Maize	3,041	*	128	28,451	3,186	20,261	1,518	98,263	13,531
Sorghum	*	*	*	23,213	14,937	6,872	*	35,688	9,972
Finger millet	*	*	*	20,893	8,049	4,208	*	73,319	20,488
Oats / 'Aja'	-	-	-	-	-	-	-	*	*
Rice	*	*	*	-	-	-	-	*	*
<b>Pulses</b>	*	659	496	11,414	*	25,326	2,450	64,019	7,878
Horse / Faba beans	*	*	*	3,225	258	8,174	708	42,152	3,771
Field Peas	*	*	*	*	*	1,587	*	6,962	408
Haricot beans	-	-	-	*	*	-	-	*	*
Chick peas	*	*	*	*	*	7,425	*	5,168	977
Lentils	*	*	-	*	*	1,755	*	10,535	1,053
Vetch / Grass peas	-	-	-	*	*	*	*	4,755	1,085
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	*	*	*	*	*	8,044	*	6,221	197
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	2,843	443	7,626	489	13,620	1,723
Neug	-	-	-	*	*	*	*	2,871	*
Linseed	-	-	-	*	*	4,218	*	8,679	1,354
Groundnuts	-	-	-	-	-	*	*	-	-
Safflower	-	-	-	-	-	*	*	*	*
Sesame	-	-	-	*	*	*	*	*	*
Rapeseed	-	-	-	-	-	*	*	-	-
<b>Vegetables</b>	*	*	-	2,750	*	64,736	925	39,782	366
Lettuce	-	-	-	-	-	3,614	*	2,475	*
Head cabbage	*	*	-	-	-	5,255	42	2,203	*
Ethiopian cabbage	-	-	-	-	-	*	*	-	-
Tomatoes	*	*	-	*	*	16,197	304	4,537	*
Green peppers	*	*	-	*	*	25,937	231	23,251	156
Red peppers	*	*	-	1,822	*	23,507	316	12,044	137
Swiss chard	*	*	-	-	-	6,034	12	1,994	*
<b>Root crops</b>	4,400	*	-	*	*	54,295	849	24,841	414
Beetroot	*	*	-	-	-	1,038	*	*	*
Carrot	1,287	*	-	-	-	2,585	*	*	*
Onion	1,106	*	-	*	*	29,187	463	14,082	*
Potatoes	*	*	-	-	-	5,896	87	2,468	33
Garlic	*	*	-	*	*	28,458	277	11,420	62
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	-	-	-	*	*	*	*
<b>Other Temporary</b>	*	*	-	*	*	14,193	55	5,362	24
<b>Permanent crops</b>				1,695	*	83,982	2,305	18,732	745
Avocado				-	-	*	*	*	*
Bananas				*	*	11,670	155	3,481	*
Guava				-	-	8,346	77	2,268	28
Lemons				*	*	16,717	*	1,975	4
Mangoes				-	-	3,815	*	*	*
Oranges				-	-	8,127	*	*	*
Papayas				*	*	19,791	200	6,054	60
Pineapples				-	-	-	-	-	-
Chat				*	*	*	*	*	-
Coffee	*	*	-	-	-	7,490	*	*	*
Hops / 'Gesho'				*	*	57,053	620	10,203	*
Enset				-	-	-	-	-	-
Sugar cane				-	-	*	*	*	*
Other permanent				*	*	9,925	91	3,461	*

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>	196,192	113,952	35,240	123,705	53,633	43,174	29,366	12,667
<b>Cereals</b>	166,894	108,467	34,916	113,265	48,862	42,577	28,801	12,480
Teff	40,033	29,289	16,481	11,490	*	24,973	11,086	5,229
Barley	633	*	*	3,366	83	1,529	*	*
Wheat	*	*	-	*	*	-	-	-
Maize	25,825	22,983	5,943	104,163	16,351	5,220	894	415
Sorghum	54,973	25,456	2,011	53,153	21,647	4,818	*	784
Finger millet	45,310	30,519	10,348	26,668	7,735	33,917	14,493	5,953
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	*	*	*	-	-	*	*	*
<b>Pulses</b>	8,155	1,498	140	14,824	1,130	*	*	*
Horse / Faba beans	2,277	442	*	9,309	*	*	*	*
Field Peas	*	*	*	*	*	*	*	*
Haricot beans	*	*	-	*	*	-	-	-
Chick peas	3,609	960	*	6,025	753	1,362	*	*
Lentils	*	-	-	-	-	-	-	-
Vetch / Grass peas	*	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	*	*	*	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	19,615	3,035	*	11,106	*	*	*	*
Neug	3,398	*	-	*	*	-	-	-
Linseed	1,464	*	-	*	*	-	-	-
Groundnuts	*	*	*	-	-	*	*	*
Safflower	*	-	-	-	-	-	-	-
Sesame	14,722	*	*	7,854	*	*	*	*
Rapeseed	*	*	-	*	*	-	-	-
<b>Vegetables</b>	986	750	*	76,020	676	*	*	*
Lettuce	*	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-
Tomatoes	95	*	*	*	*	*	*	*
Green peppers	196	131	*	10,739	86	-	-	-
Red peppers	694	591	*	66,378	564	*	*	*
Swiss chard	*	-	-	-	-	-	-	-
<b>Root crops</b>	114	39	*	6,513	38	-	-	-
Beetroot	-	-	-	-	-	-	-	-
Carrot	*	-	-	-	-	-	-	-
Onion	44	26	*	4,396	25	-	-	-
Potatoes	*	-	-	-	-	-	-	-
Garlic	20	*	*	*	*	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	-	*	*	-	-	-
<b>Other Temporary</b>	*	*	-	*	*	-	-	-
<b>Permanent crops</b>	210	10	*	*	10	-	-	-
Avocado	*	-	-	-	-	-	-	-
Bananas	9	*	*	*	*	-	-	-
Guava	*	-	-	-	-	-	-	-
Lemons	*	-	-	-	-	-	-	-
Mangoes	*	-	-	-	-	-	-	-
Oranges	*	-	-	-	-	-	-	-
Papayas	31	*	*	*	*	-	-	-
Pineapples	-	-	-	-	-	-	-	-
Chat	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-
Hops / 'Gesho'	108	5	*	*	5	-	-	-
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
<b>All</b>	5,256	897	409	51,537	30,056	22,163	163,599	193,125	77,953
<b>Cereals</b>	4,236	865	394	51,282	29,939	22,042	163,599	164,086	68,904
Teff	*	*	*	35,812	15,111	11,233	98,555	37,933	20,118
Barley	-	-	-	*	*	*	15,331	633	683
Wheat	-	-	-	-	-	-	*	*	*
Maize	*	*	*	22,933	5,516	5,417	151,959	25,521	9,896
Sorghum	*	*	*	*	*	1,196	106,176	54,699	17,614
Finger millet	2,622	543	232	26,358	7,748	4,162	119,913	45,187	20,543
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	*	*	*	*	*	*
<b>Pulses</b>	-	-	-	*	*	*	64,276	7,972	5,725
Horse / Faba beans	-	-	-	*	*	*	35,409	2,248	1,941
Field Peas	-	-	-	-	-	-	6,777	*	*
Haricot beans	-	-	-	-	-	-	11,885	*	*
Chick peas	-	-	-	-	-	-	21,792	3,469	2,579
Lentils	-	-	-	-	-	-	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	*	*	*
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	*	*	*	*	*	*
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	*	*	*	-	-	-	71,646	19,615	3,325
Neug	-	-	-	-	-	-	20,753	3,398	693
Linseed	-	-	-	-	-	-	17,468	1,464	679
Groundnuts	-	-	-	-	-	-	*	*	*
Safflower	-	-	-	-	-	-	*	*	*
Sesame	*	*	*	-	-	-	46,498	14,722	1,947
Rapeseed	-	-	-	-	-	-	*	*	*
<b>Vegetables</b>	*	*	*	*	*	*	107,315	962	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	-	-	-	-	-	-	9,757	95	-
Green peppers	*	*	*	*	*	*	22,006	181	-
Red peppers	*	*	*	*	*	*	84,224	685	-
Swiss chard	-	-	-	-	-	-	*	*	-
<b>Root crops</b>	*	*	*	*	*	*	11,689	111	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	-	-	-	*	*	*	7,226	43	-
Potatoes	-	-	-	-	-	-	*	*	-
Garlic	*	*	*	-	-	-	3,759	18	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	*	*	-
<b>Other Temporary</b>	-	-	-	-	-	-	11,118	*	-
<b>Permanent crops</b>							14,159	164	
Avocado							-	-	
Bananas							*	*	
Guava							*	*	
Lemons							2,614	11	
Mangoes							-	-	
Oranges							*	*	
Papayas							3,080	15	
Pineapples							-	-	
Chat							*	-	
Coffee							-	-	
Hops / 'Geshe'							10,743	106	
Enset							-	-	
Sugar cane							*	*	
Other permanent							1,451	*	



(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>	8,192	2,740	*	21,920	*	13,981	656	63,714	45,046
<b>Cereals</b>	6,315	2,581	1,015	20,854	*	2,299	*	63,205	44,309
Teff	4,752	*	*	2,862	717	-	-	44,611	18,567
Barley	-	-	-	*	*	*	*	*	*
Wheat	-	-	-	-	-	-	-	-	-
Maize	*	*	*	8,734	1,195	*	*	23,461	6,078
Sorghum	*	*	-	12,050	*	*	*	*	*
Finger millet	*	*	*	12,576	*	*	*	39,195	16,158
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	*	*	*	-	-	-	-	*	*
<b>Pulses</b>	*	*	*	*	*	*	*	4,503	590
Horse / Faba beans	-	-	-	-	-	*	*	3,142	*
Field Peas	-	-	-	-	-	-	-	*	*
Haricot beans	-	-	-	-	-	-	-	-	-
Chick peas	*	*	*	*	*	*	*	1,361	*
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	*	*
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	*	*	*	*	*	*
Neug	-	-	-	*	*	-	-	*	*
Linseed	-	-	-	*	*	-	-	-	-
Groundnuts	-	-	-	-	-	*	*	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	*	*	*	*	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
<b>Vegetables</b>	-	-	-	*	*	2,207	*	*	*
Lettuce	-	-	-	-	-	*	*	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	-	-	-	*	*	*	*	-	-
Green peppers	-	-	-	-	-	*	*	*	*
Red peppers	-	-	-	*	*	*	*	*	*
Swiss chard	-	-	-	-	-	*	*	-	-
<b>Root crops</b>	-	-	-	*	*	3,038	29	*	*
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	*	*	1,691	15	*	*
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	*	*	*	*	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	*	*	*	*
<b>Other Temporary</b>	-	-	-	-	-	*	*	*	*
<b>Permanent crops</b>	-	-	-	-	-	8,556	170	2,033	*
Avocado	-	-	-	-	-	*	*	*	*
Bananas	-	-	-	-	-	1,654	9	*	*
Guava	-	-	-	-	-	1,675	*	*	*
Lemons	-	-	-	-	-	*	*	*	*
Mangoes	-	-	-	-	-	*	*	-	-
Oranges	-	-	-	-	-	*	*	*	*
Papayas	-	-	-	-	-	3,268	26	*	*
Pineapples	-	-	-	-	-	-	-	-	-
Chat	-	-	-	-	-	-	-	*	-
Coffee	-	-	-	-	-	-	-	-	-
Hops / 'Gesho'	-	-	-	-	-	5,352	*	-	-
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>	217,696	136,108	64,098	213,612	66,998	14,777	5,091	3,018
<b>Cereals</b>	187,949	127,507	61,603	195,595	59,626	12,994	4,855	2,339
Teff	69,262	50,018	29,350	54,227	8,897	9,578	3,248	1,403
Barley	24,104	15,748	12,172	76,035	8,492	2,355	118	142
Wheat	24,130	12,285	12,069	50,766	5,191	*	*	*
Maize	20,281	17,736	3,100	139,990	13,754	*	*	*
Sorghum	32,679	18,689	1,403	67,379	16,475	*	*	*
Finger millet	17,449	13,031	3,509	55,378	6,816	3,859	920	436
Oats / 'Aja'	*	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
<b>Pulses</b>	21,768	6,208	354	77,703	5,775	*	*	*
Horse / Faba beans	12,070	4,618	185	67,457	4,363	*	*	*
Field Peas	745	105	-	2,937	105	-	-	-
Haricot beans	1,222	128	*	3,470	*	-	-	-
Chick peas	2,453	397	*	2,685	*	-	-	-
Lentils	3,319	*	*	2,744	*	-	-	-
Vetch / Grass peas	*	*	-	*	*	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	758	*	*	5,566	*	*	*	*
Gibto	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	5,958	*	*	14,346	*	*	*	*
Neug	1,761	*	*	7,334	*	-	-	-
Linseed	3,551	*	*	6,049	*	-	-	-
Groundnuts	*	*	*	-	-	*	*	*
Safflower	*	*	*	*	*	-	-	-
Sesame	365	*	-	*	*	-	-	-
Rapeseed	*	*	-	*	*	-	-	-
<b>Vegetables</b>	542	452	384	56,608	318	*	*	*
Lettuce	*	*	*	2,117	*	-	-	-
Head cabbage	*	*	-	*	*	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-
Tomatoes	7	*	*	1,678	*	-	-	-
Green peppers	266	218	*	25,227	168	*	*	*
Red peppers	250	218	*	28,473	136	-	-	-
Swiss chard	*	*	-	*	*	-	-	-
<b>Root crops</b>	674	297	325	18,675	146	*	*	*
Beetroot	-	-	-	-	-	-	-	-
Carrot	*	-	-	-	-	-	-	-
Onion	439	190	*	7,750	*	*	*	*
Potatoes	*	*	*	*	*	-	-	-
Garlic	223	102	*	11,916	*	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-
<b>Other Temporary</b>	*	*	-	4,023	*	-	-	-
<b>Permanent crops</b>	762	*		13,460	47			
Avocado	*	*		-	-			
Bananas	68	*		*	*			
Guava	*	*		-	-			
Lemons	*	*		*	*			
Mangoes	*	*		*	*			
Oranges	*	*		*	*			
Papayas	*	*		2,382	2			
Pineapples	-	-		-	-			
Chat	-	-		-	-			
Coffee	*	*		*	*			
Hops / 'Geshe'	*	*		10,422	40			
Enset	-	-		-	-			
Sugar cane	-	-		-	-			
Other permanent	309	*		*	*			

(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>	26,561	7,147	4,818	137,473	56,872	56,262	271,328	216,053	185,234
<b>Cereals</b>	24,441	7,050	4,648	135,695	55,976	54,615	270,312	186,524	156,325
Teff	16,847	3,852	2,352	111,905	34,021	25,595	224,469	69,172	41,008
Barley	*	*	*	50,254	6,727	11,521	151,855	24,085	40,120
Wheat	*	*	*	50,873	6,348	11,281	113,380	22,854	39,155
Maize	*	*	*	38,258	3,234	2,679	199,889	20,253	12,319
Sorghum	2,447	423	270	9,965	1,547	940	109,307	32,672	15,661
Finger millet	6,790	*	472	27,848	4,099	2,600	109,114	17,443	8,041
Oats / 'Aja'	-	-	-	-	-	-	*	*	*
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	*	*	*	4,193	312	298	180,549	21,737	25,527
Horse / Faba beans	*	*	*	2,013	*	140	142,991	12,040	16,227
Field Peas	-	-	-	-	-	-	12,572	745	988
Haricot beans	-	-	-	*	*	*	26,536	1,222	649
Chick peas	-	-	-	*	*	*	14,223	2,453	2,238
Lentils	-	-	-	*	*	*	36,271	3,319	3,311
Vetch / Grass peas	-	-	-	-	-	-	8,727	*	*
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	*	*	*	18,561	758	*
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	*	*	*	*	*	*	63,383	5,924	3,382
Neug	*	*	*	*	*	*	23,308	1,761	*
Linseed	-	-	-	*	*	*	39,305	3,551	2,220
Groundnuts	-	-	-	-	-	-	*	*	*
Safflower	*	*	*	*	*	*	*	*	*
Sesame	-	-	-	-	-	-	*	365	200
Rapeseed	-	-	-	-	-	-	*	*	*
<b>Vegetables</b>	2,793	*	45	14,335	104	325	86,441	538	-
Lettuce	*	*	*	*	*	*	3,579	*	-
Head cabbage	-	-	-	-	-	-	*	*	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	*	*	*	*	*	*	3,717	7	-
Green peppers	*	*	*	8,195	*	*	43,603	266	-
Red peppers	*	*	*	5,369	*	*	40,041	246	-
Swiss chard	-	-	-	-	-	-	*	*	-
<b>Root crops</b>	*	*	*	7,047	*	*	49,255	671	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	*	*	*	*	*	*	20,983	436	-
Potatoes	-	-	-	*	*	*	*	*	-
Garlic	*	*	*	5,370	*	*	33,993	223	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
<b>Other Temporary</b>	-	-	-	-	-	-	10,962	*	-
<b>Permanent crops</b>							49,186	615	
Avocado							*	*	
Bananas							3,037	*	
Guava							*	*	
Lemons							3,365	*	
Mangoes							*	*	
Oranges							*	*	
Papayas							4,364	*	
Pineapples							-	-	
Chat							-	-	
Coffee							*	*	
Hops / 'Geshe'							34,589	167	
Enset							-	-	
Sugar cane							-	-	
Other permanent							13,309	309	

(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>	11,415	1,477	1,891	44,255	13,756	57,743	4,980	136,947	58,970
<b>Cereals</b>	6,798	1,297	1,820	43,248	13,474	12,604	*	130,668	53,051
Teff	*	*	*	27,362	7,189	5,030	*	103,574	27,251
Barley	*	*	*	18,271	*	*	*	49,597	5,763
Wheat	5,457	1,164	1,677	11,355	1,208	*	*	43,981	5,752
Maize	*	*	*	17,435	1,324	3,534	*	65,934	6,778
Sorghum	-	-	-	4,251	*	*	*	21,650	4,170
Finger millet	-	-	-	4,908	*	2,686	*	27,974	3,292
Oats / 'Aja'	-	-	-	-	-	-	-	*	*
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	*	*	*	*	*	5,714	*	36,891	4,267
Horse / Faba beans	*	*	*	*	*	*	*	29,273	3,009
Field Peas	-	-	-	-	-	*	*	1,342	*
Haricot beans	-	-	-	-	-	-	-	*	*
Chick peas	-	-	-	-	-	*	*	*	*
Lentils	-	-	-	-	-	*	*	3,790	280
Vetch / Grass peas	-	-	-	-	-	-	-	*	*
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	*	*	*	*
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	*	*	*	*	7,283	884
Neug	-	-	-	*	*	*	*	2,438	*
Linseed	-	-	-	-	-	*	*	*	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	*	*	*	*
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
<b>Vegetables</b>	-	-	-	1,432	*	20,599	200	23,838	180
Lettuce	-	-	-	-	-	1,363	*	1,807	*
Head cabbage	-	-	-	-	-	*	*	*	*
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	-	-	-	-	-	2,711	5	*	*
Green peppers	-	-	-	*	*	11,857	84	*	*
Red peppers	-	-	-	*	*	7,382	96	*	*
Swiss chard	-	-	-	-	-	-	-	*	*
<b>Root crops</b>	*	*	-	*	*	22,238	500	14,583	*
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	*	*	-	-
Onion	*	*	-	*	*	14,492	358	10,119	*
Potatoes	-	-	-	-	-	*	*	*	*
Garlic	-	-	-	-	-	10,095	*	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
<b>Other Temporary</b>	-	-	-	*	*	3,039	9	*	*
<b>Permanent crops</b>	-	-	-	*	*	18,414	254	8,899	237
Avocado	-	-	-	-	-	*	*	*	*
Bananas	-	-	-	*	*	3,438	68	2,431	*
Guava	-	-	-	-	-	*	*	*	*
Lemons	-	-	-	*	*	*	*	*	*
Mangoes	-	-	-	-	-	1,406	*	*	*
Oranges	-	-	-	-	-	*	*	*	*
Papayas	-	-	-	-	-	5,865	*	3,512	*
Pineapples	-	-	-	-	-	-	-	-	-
Chat	-	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	*	*	*	*
Hops / 'Gescho'	-	-	-	-	-	13,581	41	6,069	*
Enset	-	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	-	-	-	-
Other permanent	-	-	-	-	-	*	*	*	*

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>	101,470	55,996	28,785	108,428	32,996	21,521	6,533	6,883
<b>Cereals</b>	76,743	49,655	27,939	97,140	27,333	20,266	6,342	6,676
Teff	6,061	2,409	453	11,724	*	2,019	*	*
Barley	35,062	23,628	11,439	78,929	14,706	13,821	3,283	3,335
Wheat	27,517	18,674	15,062	56,029	7,855	14,307	2,686	3,025
Maize	2,357	1,718	213	26,694	1,466	*	*	*
Sorghum	*	*	*	*	*	*	*	*
Finger millet	2,714	1,990	*	5,158	656	*	*	*
Oats / 'Aja'	*	-	-	-	-	-	-	-
Rice	*	*	-	*	*	-	-	-
<b>Pulses</b>	14,798	4,337	459	42,114	3,791	*	*	*
Horse / Faba beans	2,852	1,554	190	27,414	1,317	*	*	*
Field Peas	2,981	1,411	*	13,926	1,238	*	*	*
Haricot beans	*	*	-	*	*	-	-	-
Chick peas	1,975	*	-	*	*	-	-	-
Lentils	1,324	194	*	3,377	167	-	-	-
Vetch / Grass peas	5,105	*	*	5,688	*	*	*	*
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	541	*	*	6,594	*	-	-	-
Gibto	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	2,794	688	*	6,879	661	*	*	*
Neug	*	-	-	-	-	-	-	-
Linseed	2,767	679	*	6,090	652	*	*	*
Groundnuts	-	-	-	-	-	-	-	-
Safflower	*	*	-	*	*	-	-	-
Sesame	-	-	-	-	-	-	-	-
Rapeseed	*	*	-	*	*	-	-	-
<b>Vegetables</b>	352	233	182	15,504	178	*	*	*
Lettuce	3	*	-	1,522	*	-	-	-
Head cabbage	54	39	*	3,957	35	-	-	-
Ethiopian cabbage	*	-	-	-	-	-	-	-
Tomatoes	120	76	*	4,348	*	*	*	*
Green peppers	*	*	*	5,946	33	-	-	-
Red peppers	*	*	*	*	*	-	-	-
Swiss chard	*	6	*	3,145	4	-	-	-
<b>Root crops</b>	354	140	*	16,782	103	*	*	*
Beetroot	*	-	-	-	-	-	-	-
Carrot	*	*	*	*	*	-	-	-
Onion	61	46	*	10,250	38	-	-	-
Potatoes	254	75	*	5,924	48	*	*	*
Garlic	33	16	*	5,936	16	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	*	-	-	-	-	-	-	-
<b>Other Temporary</b>	*	*	*	*	*	-	-	-
<b>Permanent crops</b>	6,403	*		20,382	*			
Avocado	-	-	-	-	-			
Bananas	*	*	*	*	*			
Guava	*	*	*	*	*			
Lemons	*	*	*	*	*			
Mangoes	*	*	*	*	*			
Oranges	*	*	*	*	*			
Papayas	*	*	*	*	*			
Pineapples	-	-	-	-	-			
Chat	-	-	-	-	-			
Coffee	*	*	*	*	*			
Hops / 'Geshe'	198	*		11,607	*			
Enset	-	-	-	-	-			
Sugar cane	-	-	-	-	-			
Other permanent	6,180	*		8,777	*			

(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>	15,286	2,292	2,563	35,514	14,175	19,339	146,900	98,054	131,768
<b>Cereals</b>	12,788	2,147	2,226	35,262	13,832	19,037	143,306	73,762	110,167
Teff	*	*	*	*	*	*	33,433	5,846	4,417
Barley	7,672	820	887	25,864	4,818	7,217	132,378	35,013	59,171
Wheat	9,271	*	*	32,629	7,078	10,877	107,584	24,896	41,679
Maize	*	*	*	*	*	*	38,041	2,333	2,303
Sorghum	*	*	*	*	*	*	13,518	*	*
Finger millet	*	*	*	*	*	*	17,175	2,643	1,139
Oats / 'Aja'	-	-	-	-	-	-	*	*	*
Rice	-	-	-	-	-	-	*	*	*
<b>Pulses</b>	*	*	*	4,368	293	236	91,558	14,639	20,139
Horse / Faba beans	*	*	*	*	*	*	51,833	2,852	6,167
Field Peas	*	*	*	*	*	*	31,538	2,928	4,922
Haricot beans	-	-	-	-	-	-	*	*	*
Chick peas	-	-	-	-	-	-	11,946	1,948	1,807
Lentils	*	*	-	*	*	*	13,237	1,296	1,339
Vetch / Grass peas	-	-	-	*	*	-	26,983	5,105	5,691
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	*	*	*	*	*	*	14,041	490	176
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	*	*	*	*	*	*	23,991	2,792	1,462
Neug	-	-	-	-	-	-	*	*	*
Linseed	*	*	*	*	*	*	22,404	2,765	1,450
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	*	*	*
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	*	*	*
<b>Vegetables</b>	*	*	85	*	*	*	28,948	329	-
Lettuce	-	-	-	-	-	-	2,285	3	-
Head cabbage	*	*	*	-	-	-	5,245	44	-
Ethiopian cabbage	-	-	-	-	-	-	*	*	-
Tomatoes	*	*	*	*	*	*	8,853	119	-
Green peppers	*	*	*	*	*	*	12,871	*	-
Red peppers	*	*	*	-	-	-	*	*	-
Swiss chard	*	*	*	-	-	-	5,769	9	-
<b>Root crops</b>	1,010	*	*	*	*	*	27,942	345	-
Beetroot	-	-	-	-	-	-	*	*	-
Carrot	*	*	*	-	-	-	1,311	*	-
Onion	*	*	*	-	-	-	17,774	60	-
Potatoes	*	*	*	*	*	*	10,886	251	-
Garlic	*	*	*	-	-	-	9,575	29	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
<b>Other Temporary</b>	*	*	*	*	*	*	6,420	20	-
<b>Permanent crops</b>							84,964	6,166	
Avocado							-	-	
Bananas							*	*	
Guava							*	*	
Lemons							*	*	
Mangoes							*	*	
Oranges							1,817	*	
Papayas							*	*	
Pineapples							-	-	
Chat							-	-	
Coffee							*	*	
Hops / 'Geshe'							25,765	155	
Enset							-	-	
Sugar cane							-	-	
Other permanent							77,209	5,994	

(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>	20,947	3,109	4,564	8,330	*	34,896	1,614	59,384	22,910
<b>Cereals</b>	16,697	2,714	4,428	7,063	*	8,250	1,040	56,255	20,645
Teff	*	*	*	*	*	*	*	7,965	*
Barley	*	*	*	2,504	*	3,595	373	42,415	8,922
Wheat	12,591	2,360	4,244	4,795	*	2,531	*	46,092	9,511
Maize	*	*	*	*	*	1,870	110	4,552	291
Sorghum	-	-	-	-	-	*	*	*	*
Finger millet	*	*	*	-	-	*	*	3,345	*
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	*	*	*	*	*	3,385	88	14,072	1,603
Horse / Faba beans	-	-	-	*	*	*	*	8,668	430
Field Peas	*	*	*	*	*	*	*	4,461	290
Haricot beans	-	-	-	-	-	-	-	-	-
Chick peas	*	*	*	-	-	-	-	*	*
Lentils	*	*	-	-	-	*	*	1,774	*
Vetch / Grass peas	-	-	-	*	*	*	*	*	*
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	*	*	*	-	-	*	*	*	*
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	*	*	*	*	*	*
Neug	-	-	-	-	-	*	*	-	-
Linseed	-	-	-	*	*	-	-	*	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	*	*	*	*
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	*	*	-	-
<b>Vegetables</b>	*	*	-	*	*	19,456	241	8,945	104
Lettuce	-	-	-	-	-	1,526	2	*	*
Head cabbage	*	*	-	-	-	4,446	41	*	*
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	*	*	-	*	*	5,600	*	3,512	*
Green peppers	*	*	-	-	-	7,830	*	3,855	13
Red peppers	*	*	-	-	-	*	*	*	*
Swiss chard	*	*	-	-	-	3,923	*	1,559	*
<b>Root crops</b>	3,919	*	-	-	-	15,606	138	8,249	47
Beetroot	*	*	-	-	-	*	*	*	*
Carrot	1,287	*	-	-	-	2,102	*	*	*
Onion	*	*	-	-	-	9,104	33	3,384	7
Potatoes	*	*	-	-	-	3,882	80	1,824	*
Garlic	*	*	-	-	-	7,073	20	3,069	9
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	-	-	-	*	*	-	-
<b>Other Temporary</b>	*	*	-	-	-	3,065	*	3,075	*
<b>Permanent crops</b>				*	*	9,897	85	5,322	*
Avocado				-	-	-	-	-	-
Bananas				-	-	*	*	-	-
Guava				-	-	1,575	*	*	*
Lemons				-	-	*	*	*	*
Mangoes				-	-	-	-	-	-
Oranges				-	-	*	*	-	-
Papayas				-	-	*	*	*	*
Pineapples				-	-	-	-	-	-
Chat				-	-	-	-	-	-
Coffee	*	*	-	-	-	*	*	*	*
Hops / 'Gescho'				-	-	7,062	*	3,054	*
Enset				-	-	-	-	-	-
Sugar cane				-	-	-	-	-	-
Other permanent				*	*	*	*	*	*

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>	250,043	82,775	34,535	108,000	30,718	13,094	*	*
<b>Cereals</b>	207,827	77,946	33,366	94,450	26,936	12,787	*	*
Teff	59,695	17,668	4,436	18,937	5,668	4,389	1,242	738
Barley	52,840	22,760	11,936	37,830	8,327	*	*	*
Wheat	50,902	24,055	14,452	32,559	6,770	5,997	*	*
Maize	10,563	4,222	*	43,924	2,994	*	*	*
Sorghum	33,095	*	*	9,966	3,042	*	*	*
Finger millet	*	*	*	*	*	-	-	-
Oats / 'Aja'	*	*	-	*	*	-	-	-
Rice	-	-	-	-	-	-	-	-
<b>Pulses</b>	33,081	3,597	539	24,212	2,807	*	*	*
Horse / Faba beans	6,971	1,607	*	14,048	1,449	-	-	-
Field Peas	3,301	*	-	*	*	-	-	-
Haricot beans	*	*	*	-	-	*	*	*
Chick peas	6,761	*	-	1,231	*	-	-	-
Lentils	6,353	761	218	4,106	507	*	*	*
Vetch / Grass peas	4,631	*	-	*	*	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	808	*	-	4,182	*	-	-	-
Gibto	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	5,916	*	*	3,749	*	*	*	*
Neug	-	-	-	-	-	-	-	-
Linseed	4,645	*	*	*	*	-	-	-
Groundnuts	*	-	-	-	-	-	-	-
Safflower	102	*	*	*	*	*	*	*
Sesame	*	*	*	-	-	*	*	*
Rapeseed	-	-	-	-	-	-	-	-
<b>Vegetables</b>	488	143	*	8,324	90	-	-	-
Lettuce	*	*	-	*	*	-	-	-
Head cabbage	*	*	-	*	*	-	-	-
Ethiopian cabbage	*	*	*	*	*	-	-	-
Tomatoes	*	*	*	2,589	10	-	-	-
Green peppers	120	*	*	1,847	*	-	-	-
Red peppers	152	*	-	2,821	*	-	-	-
Swiss chard	*	*	*	*	*	-	-	-
<b>Root crops</b>	471	199	*	16,149	167	-	-	-
Beetroot	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	84	*	-	2,831	*	-	-	-
Potatoes	160	104	*	8,863	75	-	-	-
Garlic	219	72	*	7,762	*	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	*	-	-	-	-	-	-	-
<b>Other Temporary</b>	71	14	*	7,935	13	-	-	-
<b>Permanent crops</b>	2,189	379		17,728	327			
Avocado	*	*		*	*			
Bananas	*	*		*	*			
Guava	16	*		2,202	*			
Lemons	*	*		*	*			
Mangoes	*	*		*	*			
Oranges	*	*		*	*			
Papayas	*	*		*	*			
Pineapples	-	-		-	-			
Chat	*	*		*	*			
Coffee	*	*		1,231	*			
Hops / 'Gescho'	431	*		9,936	*			
Enset	-	-		-	-			
Sugar cane	*	*		*	*			
Other permanent	423	*		4,993	*			



(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>	21,685	10,846	5,170	45,837	33,783	23,958	228,572	243,815	234,014
<b>Cereals</b>	19,668	10,664	4,989	44,599	33,021	23,199	219,724	202,105	193,982
Teff	10,409	3,985	1,147	16,974	6,774	2,551	133,141	58,497	23,906
Barley	4,529	*	1,733	17,604	*	8,344	142,254	52,586	81,513
Wheat	8,427	2,450	1,563	29,142	12,078	10,610	130,563	46,654	73,785
Maize	*	*	*	*	*	*	91,356	10,541	5,193
Sorghum	*	*	*	*	*	*	62,556	33,095	8,562
Finger millet	-	-	-	*	*	*	*	*	*
Oats / 'Aja'	-	-	-	-	-	-	*	*	*
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	*	*	*	4,123	*	401	134,415	32,766	37,826
Horse / Faba beans	*	*	*	*	*	*	47,049	6,877	13,076
Field Peas	-	-	-	-	-	-	24,757	3,301	5,283
Haricot beans	*	*	*	*	*	*	14,879	*	*
Chick peas	-	-	-	-	-	-	30,623	6,541	5,186
Lentils	-	-	-	*	*	*	39,123	6,353	7,344
Vetch / Grass peas	-	-	-	-	-	-	20,714	4,631	4,864
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	22,682	808	427
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	*	*	*	*	*	*	45,496	5,916	2,206
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	*	*	*	38,289	4,645	2,036
Groundnuts	-	-	-	-	-	-	*	*	*
Safflower	*	*	*	*	*	*	*	102	*
Sesame	-	-	-	*	*	*	5,347	*	*
Rapeseed	-	-	-	-	-	-	-	-	-
<b>Vegetables</b>	*	*	*	*	*	*	26,742	488	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	-	-	-	-	-	-	*	*	-
Ethiopian cabbage	-	-	-	*	*	*	*	*	-
Tomatoes	*	*	*	*	*	*	8,165	*	-
Green peppers	*	*	*	*	*	*	6,839	120	-
Red peppers	-	-	-	-	-	-	10,691	152	-
Swiss chard	*	*	*	*	*	*	*	*	-
<b>Root crops</b>	*	*	*	*	*	*	36,197	471	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	*	-	-
Onion	-	-	-	-	-	-	9,342	84	-
Potatoes	*	*	*	*	*	*	15,108	160	-
Garlic	*	*	-	*	*	*	18,656	219	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	*	*	-
<b>Other Temporary</b>	-	-	-	*	*	*	22,126	55	-
<b>Permanent crops</b>							54,161	2,014	
Avocado							-	-	
Bananas							*	*	
Guava							2,858	*	
Lemons							*	*	
Mangoes							*	*	
Oranges							*	*	
Papayas							4,450	*	
Pineapples							-	-	
Chat							11,069	*	
Coffee							*	*	
Hops / 'Geshe'							29,572	428	
Enset							-	-	
Sugar cane							*	*	
Other permanent							17,798	423	

(Table 1.1.4 Cont'd.)

<b>South Tigray</b>									
Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
<b>All</b>	24,271	6,127	7,639	13,184	6,044	74,224	14,019	55,690	35,564
<b>Cereals</b>	19,224	5,700	7,493	5,911	3,105	34,094	9,641	53,459	33,441
Teff	2,191	*	*	3,888	1,877	12,567	2,901	21,880	*
Barley	*	*	-	*	*	6,283	1,099	20,718	*
Wheat	16,091	4,226	7,062	2,399	*	15,377	2,693	38,203	14,340
Maize	*	*	*	*	*	14,168	935	3,437	233
Sorghum	-	-	-	*	*	*	*	*	*
Finger millet	-	-	-	-	-	-	-	*	*
Oats / 'Aja'	-	-	-	-	-	-	-	*	*
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	*	*	*	*	*	15,231	1,917	8,406	1,413
Horse / Faba beans	*	*	*	*	*	4,076	*	*	*
Field Peas	-	-	-	*	*	*	*	*	*
Haricot beans	-	-	-	*	*	-	-	*	*
Chick peas	*	*	-	-	-	6,494	*	*	*
Lentils	-	-	-	*	*	*	*	*	*
Vetch / Grass peas	-	-	-	-	-	*	*	*	*
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	*	*	*	*	*	*
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	-	-	3,466	*	4,014	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	2,543	*	*	*
Groundnuts	-	-	-	-	-	*	*	-	-
Safflower	-	-	-	-	-	*	*	*	*
Sesame	-	-	-	-	-	-	-	*	*
Rapeseed	-	-	-	-	-	-	-	-	-
<b>Vegetables</b>	-	-	-	-	-	19,683	433	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	*	*	-	-
Ethiopian cabbage	-	-	-	-	-	*	*	-	-
Tomatoes	-	-	-	-	-	6,756	*	-	-
Green peppers	-	-	-	-	-	5,247	*	*	*
Red peppers	-	-	-	-	-	9,396	135	*	*
Swiss chard	-	-	-	-	-	*	*	-	-
<b>Root crops</b>	-	-	-	*	*	12,249	169	*	*
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	3,173	*	*	*
Potatoes	-	-	-	-	-	*	*	*	*
Garlic	-	-	-	*	*	9,008	106	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	*	*	-	-
<b>Other Temporary</b>	-	-	-	-	-	6,141	22	-	-
<b>Permanent crops</b>				*	*	38,520	*	*	*
Avocado				-	-	*	*	-	-
Bananas				-	-	4,716	*	*	*
Guava				-	-	3,527	*	*	*
Lemons				-	-	*	*	*	*
Mangoes				-	-	*	*	-	-
Oranges				-	-	*	*	-	-
Papayas				-	-	7,552	*	*	*
Pineapples				-	-	-	-	-	-
Chat				*	*	*	*	-	-
Coffee	*	*	-	-	-	*	*	-	-
Hops / 'Gesho'				-	-	24,521	411	*	*
Enset				-	-	-	-		
Sugar cane				-	-	*	*	*	*
Other permanent				-	-	5,929	*	*	*

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>	128,026	15,549	3,621	45,906	12,725	*	*	*
<b>Cereals</b>	70,422	12,847	3,621	39,349	10,023	*	*	*
Teff	3,690	1,803	1,609	2,372	*	-	-	-
Barley	*	*	*	*	*	-	-	-
Wheat	*	*	*	*	*	-	-	-
Maize	4,240	2,459	-	35,680	2,459	-	-	-
Sorghum	46,851	4,307	*	11,676	*	*	*	-
Finger millet	11,955	1,509	*	5,418	1,194	*	*	*
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
<b>Pulses</b>	2,316	*	-	6,580	*	-	-	-
Horse / Faba beans	1,339	*	-	*	*	-	-	-
Field Peas	*	*	-	*	*	-	-	-
Haricot beans	*	-	-	-	-	-	-	-
Chick peas	*	46	-	589	46	-	-	-
Lentils	*	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	*	*	-	*	*	-	-	-
Gibto	*	-	-	-	-	-	-	-
<b>Oilseeds</b>	54,086	1,214	-	4,412	1,214	-	-	-
Neug	3,000	*	-	*	*	-	-	-
Linseed	432	*	-	*	*	-	-	-
Groundnuts	*	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	50,636	874	-	*	874	-	-	-
Rapeseed	*	-	-	-	-	-	-	-
<b>Vegetables</b>	658	328	-	15,932	328	-	-	-
Lettuce	*	*	-	*	*	-	-	-
Head cabbage	*	*	-	*	*	-	-	-
Ethiopian cabbage	*	*	-	*	*	-	-	-
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	*	*	-	*	*	-	-	-
Red peppers	625	300	-	13,841	300	-	-	-
Swiss chard	*	*	-	*	*	-	-	-
<b>Root crops</b>	*	*	-	7,461	*	-	-	-
Beetroot	*	*	-	*	*	-	-	-
Carrot	*	*	-	*	*	-	-	-
Onion	*	*	-	*	*	-	-	-
Potatoes	*	*	-	*	*	-	-	-
Garlic	*	*	-	*	*	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-
<b>Other Temporary</b>	167	*	-	*	*	-	-	-
<b>Permanent crops</b>	304	*	-	6,029	*	-	-	-
Avocado	-	-	-	-	-	-	-	-
Bananas	*	-	-	-	-	-	-	-
Guava	*	-	-	-	-	-	-	-
Lemons	14	*	-	*	*	-	-	-
Mangoes	*	-	-	-	-	-	-	-
Oranges	*	*	-	*	*	-	-	-
Papayas	*	*	-	*	*	-	-	-
Pineapples	*	-	-	-	-	-	-	-
Chat	*	*	-	*	*	-	-	-
Coffee	*	*	-	*	*	-	-	-
Hops / 'Geshe'	159	*	-	5,440	*	-	-	-
Enset	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	-	-	-
Other permanent	*	-	-	-	-	-	-	-

(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>	*	*	*	5,387	2,538	3,293	71,045	127,849	25,006
<b>Cereals</b>	*	*	*	5,387	2,538	3,293	68,405	70,345	17,848
Teff	*	*	*	3,204	*	1,464	13,640	3,690	1,807
Barley	-	-	-	*	*	*	7,875	*	*
Wheat	-	-	-	*	*	*	*	*	*
Maize	-	-	-	-	-	-	55,222	4,240	1,160
Sorghum	-	-	-	*	*	*	57,212	46,807	6,740
Finger millet	*	*	*	*	*	*	34,452	11,955	3,359
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	-	-	-	-	-	-	17,751	2,301	2,008
Horse / Faba beans	-	-	-	-	-	-	10,836	1,324	1,436
Field Peas	-	-	-	-	-	-	*	*	*
Haricot beans	-	-	-	-	-	-	2,966	*	*
Chick peas	-	-	-	-	-	-	1,622	*	*
Lentils	-	-	-	-	-	-	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	*	*	*
Gibto	-	-	-	-	-	-	*	*	*
<b>Oilseeds</b>	-	-	-	-	-	-	62,491	54,086	5,151
Neug	-	-	-	-	-	-	15,111	3,000	614
Linseed	-	-	-	-	-	-	4,785	432	187
Groundnuts	-	-	-	-	-	-	*	*	*
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	56,410	50,636	4,345
Rapeseed	-	-	-	-	-	-	*	*	*
<b>Vegetables</b>	-	-	-	-	-	-	28,268	658	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	-	-	-	-	-	-	*	*	-
Ethiopian cabbage	-	-	-	-	-	-	*	*	-
Tomatoes	-	-	-	-	-	-	1,601	*	-
Green peppers	-	-	-	-	-	-	*	*	-
Red peppers	-	-	-	-	-	-	25,131	625	-
Swiss chard	-	-	-	-	-	-	*	*	-
<b>Root crops</b>	-	-	-	-	-	-	8,338	*	-
Beetroot	-	-	-	-	-	-	*	*	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	-	-	-	-	-	-	*	*	-
Potatoes	-	-	-	-	-	-	*	*	-
Garlic	-	-	-	-	-	-	8,048	*	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
<b>Other Temporary</b>	-	-	-	-	-	-	9,612	167	-
<b>Permanent crops</b>	-	-	-	-	-	-	21,154	220	-
Avocado	-	-	-	-	-	-	-	-	-
Bananas	-	-	-	-	-	-	1,244	*	-
Guava	-	-	-	-	-	-	*	*	-
Lemons	-	-	-	-	-	-	5,816	10	-
Mangoes	-	-	-	-	-	-	*	*	-
Oranges	-	-	-	-	-	-	*	*	-
Papayas	-	-	-	-	-	-	3,514	*	-
Pineapples	-	-	-	-	-	-	-	-	-
Chat	-	-	-	-	-	-	*	*	-
Coffee	-	-	-	-	-	-	*	*	-
Hops / 'Geshe'	-	-	-	-	-	-	16,139	154	-
Enset	-	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	-	-	-	-
Other permanent	-	-	-	-	-	-	*	*	-

(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>	*	*	*	10,135	8,223	10,046	*	8,527	4,370
<b>Cereals</b>	*	*	*	9,108	8,009	*	*	7,601	4,264
Teff	-	-	-	1,327	*	-	-	2,775	*
Barley	-	-	-	*	*	*	*	*	*
Wheat	*	*	*	-	-	-	-	*	*
Maize	-	-	-	1,475	*	*	*	*	*
Sorghum	*	*	*	6,603	*	-	-	*	*
Finger millet	-	-	-	3,409	894	-	-	*	*
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>	*	*	-	*	*	1,165	*	*	*
Beetroot	-	-	-	-	-	*	*	-	-
Carrot	-	-	-	-	-	*	*	-	-
Onion	-	-	-	-	-	*	*	-	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	*	*	-	*	*	*	*	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
<b>Other Temporary</b>	-	-	-	-	-	*	*	-	-
<b>Permanent crops</b>				*	*	8,596	*	629	1
Avocado				-	-	-	-	-	-
Bananas				-	-	1,614	*	*	*
Guava				-	-	899	*	-	-
Lemons				-	-	3,025	*	*	*
Mangoes				-	-	*	*	-	-
Oranges				-	-	*	*	-	-
Papayas				*	*	*	*	*	*
Pineapples				-	-	-	-	-	-
Chat				-	-	*	*	-	-
Coffee	*	*	-	-	-	*	*	-	-
Hops / 'Gesho'				*	*	6,537	*	*	*
Enset				-	-	-	-	-	-
Sugar cane				-	-	-	-	-	-
Other permanent				-	-	*	*	*	*

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>	18,610	*	*	*	*	*	*	*
<b>Cereals</b>	17,409	*	*	*	*	*	*	*
Teff	*	*	*	*	*	*	*	*
Barley	*	-	-	-	-	-	-	-
Wheat	*	-	-	-	-	-	-	-
Maize	12,535	*	-	*	*	-	-	-
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>	31	*	-	*	*	-	-	-
Lettuce	*	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-
Ethiopian cabbage	*	-	-	-	-	-	-	-
Tomatoes	*	-	-	-	-	-	-	-
Green peppers	9	*	-	*	*	-	-	-
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>	175	*	-	*	*	-	-	-
Avocado	-	-	-	-	-	-	-	-
Bananas	*	*	-	*	*	-	-	-
Guava	*	-	-	-	-	-	-	-
Lemons	*	-	-	-	-	-	-	-
Mangoes	*	-	-	-	-	-	-	-
Oranges	-	-	-	-	-	-	-	-
Papayas	*	*	-	*	*	-	-	-
Pineapples	-	-	-	-	-	-	-	-
Chat	*	-	-	-	-	-	-	-
Coffee	*	-	-	-	-	-	-	-
Hops / 'Geshe'	*	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-
Sugar cane	*	-	-	-	-	-	-	-
<b>Other permanent</b>	75	-	-	-	-	-	-	-

(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>	-	-	-	-	-	-	17,141	15,780	7,270
<b>Cereals</b>	-	-	-	-	-	-	16,088	14,732	7,181
Teff	-	-	-	-	-	-	*	*	*
Barley	-	-	-	-	-	-	*	*	*
Wheat	-	-	-	-	-	-	-	-	-
Maize	-	-	-	-	-	-	13,432	9,873	6,253
Sorghum	-	-	-	-	-	-	4,299	*	280
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>	-	-	-	-	-	-	1,798	28	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	*	*	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	840	8	-
Red peppers	-	-	-	-	-	-	1,051	*	-
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	-	-	-	-	-	-	*	*	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	*	*	-
Potatoes	-	-	-	-	-	-	*	*	-
Garlic	-	-	-	-	-	-	*	*	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
<b>Other Temporary</b>	-	-	-	-	-	-	*	*	-
<b>Permanent crops</b>	-	-	-	-	-	-	4,636	170	-
Avocado	-	-	-	-	-	-	-	-	-
Bananas	-	-	-	-	-	-	*	*	-
Guava	-	-	-	-	-	-	-	-	-
Lemons	-	-	-	-	-	-	*	*	-
Mangoes	-	-	-	-	-	-	*	*	-
Oranges	-	-	-	-	-	-	-	-	-
Papayas	-	-	-	-	-	-	510	*	-
Pineapples	-	-	-	-	-	-	-	-	-
Chat	-	-	-	-	-	-	*	*	-
Coffee	-	-	-	-	-	-	*	*	-
Hops / 'Geshe'	-	-	-	-	-	-	*	*	-
Enset	-	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	-	*	*	-
Other permanent	-	-	-	-	-	-	2,496	75	-

(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>	3,901	2,829	849	1,385	*	15,473	12,728	*	*
<b>Cereals</b>	3,180	2,677	849	*	*	13,258	12,361	*	*
Teff	-	-	-	*	*	*	*	*	*
Barley	-	-	-	-	-	-	-	-	-
Wheat	*	*	*	-	-	*	*	-	-
Maize	3,109	2,662	841	*	*	12,809	12,030	*	*
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>	*	*	-	*	*	1,089	23	-	-
Lettuce	-	-	-	-	-	*	*	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	*	*	-	-
Tomatoes	*	*	-	-	-	417	*	-	-
Green peppers	*	*	-	-	-	529	*	-	-
Red peppers	*	*	-	*	*	466	*	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	-	-	-	*	*	*	*	-	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	*	*	*	*	-	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
<b>Other Temporary</b>	*	*	-	*	*	*	*	-	-
<b>Permanent crops</b>				*	*	4,355	174	-	-
Avocado				-	-	-	-	-	-
Bananas				-	-	*	*	-	-
Guava				-	-	*	*	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	*	*	-	-
Oranges				-	-	-	-	-	-
Papayas				-	-	*	*	-	-
Pineapples				-	-	-	-	-	-
Chat				-	-	-	-	-	-
Coffee	-	-	-	-	-	*	*	-	-
Hops / 'Gesho'				-	-	-	-	-	-
Enset				-	-	-	-	-	-
Sugar cane				-	-	*	*	-	-
Other permanent				*	*	2,353	74	-	-



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>	12,097	*	-	*	*	-	-	-
<b>Cereals</b>	11,996	-	-	-	-	-	-	-
Teff	*	-	-	-	-	-	-	-
Barley	-	-	-	-	-	-	-	-
Wheat	*	-	-	-	-	-	-	-
Maize	11,650	-	-	-	-	-	-	-
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>	8	-	-	-	-	-	-	-
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>	93	*	-	*	*	-	-	-
Avocado	-	-	-	-	-	-	-	-
Bananas	*	*	-	*	*	-	-	-
Guava	*	-	-	-	-	-	-	-
Lemons	-	-	-	-	-	-	-	-
Mangoes	*	-	-	-	-	-	-	-
Oranges	-	-	-	-	-	-	-	-
Papayas	*	*	-	*	*	-	-	-
Pineapples	-	-	-	-	-	-	-	-
Chat	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-
Hops / 'Geshe'	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-
Sugar cane	*	-	-	-	-	-	-	-
Other permanent	75	-	-	-	-	-	-	-

(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>	-	-	-	-	-	-	10,930	9,480	6,272
<b>Cereals</b>	-	-	-	-	-	-	10,346	9,387	6,272
Teff	-	-	-	-	-	-	*	*	*
Barley	-	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-	-
Maize	-	-	-	-	-	-	9,848	9,057	6,141
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>							3,020	88	
Avocado	-	-	-	-	-	-	-	-	-
Bananas	-	-	-	-	-	-	*	*	-
Guava	-	-	-	-	-	-	-	-	-
Lemons	-	-	-	-	-	-	-	-	-
Mangoes	-	-	-	-	-	-	*	*	-
Oranges	-	-	-	-	-	-	-	-	-
Papayas	-	-	-	-	-	-	*	*	-
Pineapples	-	-	-	-	-	-	-	-	-
Chat	-	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-	-
Hops / 'Geshe'	-	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	-	*	*	-
Other permanent	-	-	-	-	-	-	2,496	75	-

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>	2,962	2,616	827	*	*	12,075	11,948	-	-
<b>Cereals</b>	2,804	2,609	827	-	-	11,925	11,847	-	-
Teff	-	-	-	-	-	-	-	-	-
Barley	-	-	-	-	-	-	-	-	-
Wheat	*	*	*	-	-	*	*	-	-
Maize	2,733	2,594	819	-	-	11,570	11,540	-	-
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>	*	*	-	-	-	600	8	-	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	*	*	-	-	-	*	*	-	-
Green peppers	*	*	-	-	-	529	*	-	-
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>	-	-	-	*	*	3,115	93	-	-
Avocado	-	-	-	-	-	-	-	-	-
Bananas	-	-	-	-	-	*	*	-	-
Guava	-	-	-	-	-	*	*	-	-
Lemons	-	-	-	-	-	-	-	-	-
Mangoes	-	-	-	-	-	*	*	-	-
Oranges	-	-	-	-	-	-	-	-	-
Papayas	-	-	-	-	-	*	*	-	-
Pineapples	-	-	-	-	-	-	-	-	-
Chat	-	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-	-
Hops / 'Geshe'	-	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	*	*	-	-
Other permanent	-	-	-	*	*	2,353	74	-	-

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>	6,513	*	*	*	*	*	*	*
<b>Cereals</b>	*	*	*	*	*	*	*	*
Teff	*	*	*	*	*	*	*	*
Barley	*	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-
Maize	885	*	-	*	*	-	-	-
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>	23	*	-	*	*	-	-	-
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 1.2.2 cont'd.)

**Zone 3**

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
<b>All</b>	-	-	-	-	-	-	6,211	*	*
<b>Cereals</b>	-	-	-	-	-	-	5,742	*	*
Teff	-	-	-	-	-	-	*	*	*
Barley	-	-	-	-	-	-	*	*	*
Wheat	-	-	-	-	-	-	-	-	-
Maize	-	-	-	-	-	-	3,583	*	112
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>	-	-	-	-	-	-	1,427	23	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	*	*	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	*	*	-
Red peppers	-	-	-	-	-	-	1,051	*	-
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 1.2.2 Cont'd.)

**Zone 3**

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
<b>All</b>	*	*	*	1,314	*	3,398	*	*	*
<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>	-	-	-	*	*	488	*	-	-
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 / 'Gesho'	-	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	*	*	-	-
Other permanent	-	-	-	-	-	-	-	-	-

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

**Amhara Region**

Crop type	All	All Fertilizers		Natural		DAP		
	Crop Area	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
<b>All</b>	3,969,559	1,626,419	1,640,177	2,371,733	478,263	596,979	349,331	321,183
<b>Cereals</b>	2,923,003	1,431,559	1,435,959	1,829,050	351,569	552,903	318,093	276,685
Teff	1,047,085	583,372	543,269	319,558	69,219	337,459	148,511	111,729
Barley	330,279	102,409	31,067	488,762	71,664	66,046	17,792	15,068
Wheat	426,815	243,457	353,706	332,159	39,191	118,588	32,179	42,572
Maize	397,481	326,200	414,741	1,168,280	114,728	158,804	30,821	37,249
Sorghum	499,134	53,862	2,921	193,242	50,130	6,368	594	656
Finger millet	196,115	119,747	90,074	31,430	4,275	202,104	88,173	69,400
Oats / 'Aja'	8,117	2,405	*	33,522	2,255	*	*	*
Rice	*	*	-	*	*	-	-	-
<b>Pulses</b>	703,527	100,697	38,957	633,090	75,158	101,485	16,372	16,044
Horse / Faba beans	241,129	59,981	23,763	449,140	44,293	75,454	10,716	10,483
Field Peas	81,407	14,965	4,532	124,642	10,411	29,310	4,316	4,119
Haricot beans	49,194	3,283	*	57,888	2,848	*	*	*
Chick peas	137,983	7,149	*	41,124	6,276	*	*	*
Lentils	60,411	4,888	*	50,929	4,301	*	*	*
Vetch / Grass peas	82,960	4,543	*	32,865	3,604	2,616	*	*
Soya beans	*	*	*	*	*	*	*	*
Fenugreek	22,079	4,320	*	70,148	*	*	*	*
Gibto	26,053	1,210	3,377	9,650	596	5,505	*	*
<b>Oilseeds</b>	235,703	33,063	108,553	302,250	14,423	88,164	6,975	18,397
Neug	121,660	7,287	1,995	28,284	4,304	11,029	2,519	1,212
Linseed	31,287	2,605	1,129	42,599	1,871	4,944	404	513
Groundnuts	*	*	-	*	*	-	-	-
Safflower	7,185	2,175	*	22,773	687	6,329	291	1,296
Sesame	49,859	1,193	*	11,456	873	*	*	*
Rapeseed	23,686	19,756	97,798	209,914	6,640	70,078	3,522	15,348
<b>Vegetables</b>	29,591	21,367	28,288	719,784	7,843	43,145	2,548	3,640
Lettuce	10	8	-	9,806	8	-	-	-
Head cabbage	150	87	*	24,030	79	-	-	-
Ethiopian cabbage	601	429	*	143,960	425	*	*	*
Tomatoes	*	59	*	13,985	50	*	*	*
Green peppers	1,102	714	*	82,999	522	*	*	*
Red peppers	27,506	20,030	27,754	488,935	6,719	39,930	2,534	3,614
Swiss chard	106	40	-	22,107	40	-	-	-
<b>Root crops</b>	30,299	20,844	12,297	751,959	12,672	89,921	4,868	5,450
Beetroot	58	28	*	17,818	28	-	-	-
Carrot	99	*	*	18,411	*	-	-	-
Onion	4,442	3,102	*	129,593	1,727	3,178	*	*
Potatoes	20,357	14,263	6,761	244,898	8,472	72,048	4,664	4,860
Garlic	4,797	3,175	2,747	513,062	2,282	14,695	137	512
Taro 'Godere'	*	*	-	*	*	-	-	-
Sweet potatoes	540	*	*	8,297	80	-	-	-
<b>Other Temporary</b>	18,086	4,395	*	316,852	2,985	7,579	*	267
<b>Permanent crops</b>	29,350	14,493		607,330	13,614			
Avocado	13	7		6,192	7			
Bananas	711	183		27,667	*			
Guava	138	94		16,776	87			
Lemons	293	*		22,263	*			
Mangoes	125	54		13,619	*			
Oranges	412	*		24,798	*			
Papayas	190	*		20,023	*			
Pineapples	-	-		-	-			
Chat	5,251	3,264		86,116	3,259			
Coffee	5,913	2,600		117,227	2,553			
Hops / 'Geshe'	14,120	6,553		472,170	5,806			
Enset	*	*		*	*			
Sugar cane	1,688	*		30,782	*			
Other permanent	456	262		68,139	218			

(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>	398,282	123,264	99,828	1,061,287	675,561	1,219,166	3,491,534	3,802,692	2,982,303
<b>Cereals</b>	329,495	116,318	87,157	1,041,780	645,579	1,072,118	3,378,666	2,760,923	2,122,915
Teff	200,186	73,845	48,033	532,213	291,797	383,507	2,202,673	1,041,811	484,514
Barley	16,348	2,631	2,256	59,603	10,321	13,743	1,331,365	330,133	567,176
Wheat	61,473	17,790	18,652	390,077	154,297	292,482	1,396,600	419,628	709,141
Maize	82,937	12,544	14,456	523,445	168,107	363,036	1,860,791	248,908	104,863
Sorghum	9,041	1,505	712	*	*	*	1,039,338	498,748	116,924
Finger millet	34,106	7,925	3,031	64,324	19,373	17,643	537,160	195,624	93,762
Oats / 'Aja'	*	*	*	*	*	*	92,691	8,092	10,732
Rice	-	-	-	-	-	-	33,340	*	*
<b>Pulses</b>	17,870	1,451	2,608	75,957	7,717	20,305	2,280,538	701,832	792,697
Horse / Faba beans	11,260	713	1,716	41,263	4,259	11,564	1,438,181	240,496	343,966
Field Peas	*	*	*	2,913	*	*	607,765	81,267	106,805
Haricot beans	3,054	*	*	*	*	*	317,388	48,908	38,616
Chick peas	*	*	*	*	*	*	560,986	137,634	127,876
Lentils	*	*	*	*	*	*	425,200	60,411	58,999
Vetch / Grass peas	-	-	-	*	*	*	430,989	82,951	86,710
Soya beans	-	-	-	-	-	-	9,948	*	*
Fenugreek	*	*	*	14,182	*	*	274,474	22,079	14,023
Gibto	*	*	*	9,165	312	2,904	134,033	25,934	12,992
<b>Oilseeds</b>	25,669	1,161	2,355	147,610	10,505	87,801	1,303,253	233,896	66,690
Neug	4,770	363	111	*	*	*	511,446	121,508	23,000
Linseed	*	*	*	3,703	255	362	413,347	31,206	14,197
Groundnuts	-	-	-	-	-	-	14,232	*	*
Safflower	*	*	*	15,377	*	*	105,740	6,869	805
Sesame	*	*	*	*	*	*	168,169	49,662	7,543
Rapeseed	13,532	522	1,709	133,961	9,072	80,741	423,140	22,638	*
<b>Vegetables</b>	87,554	3,093	4,608	82,067	7,883	20,040	1,272,969	29,342	-
Lettuce	-	-	-	-	-	-	14,118	10	-
Head cabbage	*	*	*	-	-	-	30,124	143	-
Ethiopian cabbage	*	*	*	*	*	*	200,291	600	-
Tomatoes	*	*	*	-	-	-	23,653	*	-
Green peppers	10,080	106	126	*	*	*	158,126	1,059	-
Red peppers	76,148	2,966	4,401	73,381	7,810	19,739	923,882	27,312	-
Swiss chard	-	-	-	-	-	-	28,750	*	-
<b>Root crops</b>	54,070	820	1,475	51,120	2,483	5,373	1,277,144	30,089	-
Beetroot	*	*	*	-	-	-	26,949	57	-
Carrot	*	*	*	-	-	-	27,759	92	-
Onion	7,807	295	408	14,332	*	*	240,975	4,441	-
Potatoes	3,351	161	123	15,406	966	1,779	442,501	20,247	-
Garlic	41,568	304	877	22,304	453	1,357	840,070	4,708	-
Taro 'Godere'	-	-	-	-	-	-	*	*	-
Sweet potatoes	*	*	*	*	*	*	34,182	540	-
<b>Other Temporary</b>	21,729	260	826	30,988	809	*	600,141	17,922	-
<b>Permanent crops</b>							1,099,491	28,689	
Avocado							8,032	9	
Bananas							69,438	701	
Guava							26,205	121	
Lemons							47,452	261	
Mangoes							23,951	113	
Oranges							44,335	382	
Papayas							52,414	179	
Pineapples							-	-	
Chat							144,528	5,223	
Coffee							241,477	5,649	
Hops / 'Gescho'							878,820	13,924	
Enset							7,309	*	
Sugar cane							64,817	1,643	
Other permanent							126,695	442	



(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>	484,558	163,165	49,822	473,477	253,024	422,375	41,619	1,039,450	674,302
<b>Cereals</b>	455,701	161,299	48,524	409,724	237,006	112,727	23,582	991,570	620,827
Teff	13,124	5,219	1,803	227,221	107,307	31,688	7,318	504,436	238,068
Barley	*	*	-	53,512	12,494	33,033	8,194	98,309	19,602
Wheat	30,490	6,799	11,252	140,910	54,709	14,020	2,427	313,219	105,946
Maize	420,969	148,530	35,375	63,875	8,984	42,282	3,056	558,228	183,331
Sorghum	*	*	*	48,395	23,938	8,400	1,600	28,319	5,787
Finger millet	*	*	*	66,774	29,350	*	*	166,252	67,752
Oats / 'Aja'	-	-	-	*	*	*	*	2,793	*
Rice	-	-	-	*	*	*	*	*	*
<b>Pulses</b>	8,935	1,052	*	55,019	12,367	32,604	4,416	161,649	25,680
Horse / Faba beans	*	*	*	12,663	1,222	8,657	1,298	96,896	12,334
Field Peas	*	*	*	15,202	1,571	2,687	*	36,523	5,034
Haricot beans	*	*	*	8,214	*	*	*	17,092	1,601
Chick peas	*	*	*	*	*	7,940	1,283	14,035	2,566
Lentils	-	-	-	*	*	*	*	7,229	593
Vetch / Grass peas	*	*	-	4,029	*	*	630	9,303	1,686
Soya beans	*	*	*	*	*	-	-	*	*
Fenugreek	-	-	-	*	*	6,470	207	9,201	*
Gibto	*	*	-	-	-	*	*	10,521	*
<b>Oilseeds</b>	2,459	*	*	16,273	1,897	9,935	437	191,615	14,932
Neug	*	*	*	4,461	*	*	*	15,906	2,941
Linseed	*	*	*	4,566	*	*	*	9,059	315
Groundnuts	-	-	-	*	*	-	-	-	-
Safflower	-	-	-	*	*	*	*	13,973	445
Sesame	-	-	-	1,842	*	*	*	5,247	*
Rapeseed	*	*	-	*	*	3,586	*	159,633	10,543
<b>Vegetables</b>	10,103	195	-	8,852	211	114,648	1,767	105,988	6,519
Lettuce	-	-	-	-	-	3,412	4	*	*
Head cabbage	*	*	-	-	-	12,195	44	3,409	20
Ethiopian cabbage	*	*	-	*	*	15,148	40	5,275	*
Tomatoes	*	*	-	*	*	7,601	*	*	*
Green peppers	*	*	-	-	-	20,755	105	*	*
Red peppers	4,980	*	-	7,041	206	72,397	1,496	84,235	6,349
Swiss chard	*	*	-	-	-	10,051	30	*	*
<b>Root crops</b>	5,221	44	-	11,007	363	132,106	4,070	99,383	3,364
Beetroot	*	*	-	-	-	10,314	14	*	*
Carrot	*	*	-	*	*	11,551	31	*	*
Onion	*	*	-	*	*	48,854	1,371	14,196	337
Potatoes	1,838	*	-	4,968	115	45,150	2,240	47,894	2,606
Garlic	-	-	-	5,111	33	52,817	367	41,980	312
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	*	*	*	*
<b>Other Temporary</b>	*	*	-	5,533	*	20,238	211	39,139	673
<b>Permanent crops</b>				13,819	708	227,371	7,135	68,835	2,306
Avocado				-	-	4,505	5	*	*
Bananas				*	*	34,399	270	*	*
Guava				*	*	9,994	74	3,275	*
Lemons				*	*	9,642	23	*	*
Mangoes				*	*	11,730	*	*	*
Oranges				*	*	20,982	109	*	*
Papayas				*	*	10,196	*	*	*
Pineapples				-	-	*	-	-	-
Chat				3,943	240	39,657	1,204	*	*
Coffee	9,933	*	-	*	*	82,917	1,668	15,169	*
Hops / 'Geshe'				6,832	*	150,313	2,184	43,077	766
Enset				-	-	-	-	*	*
Sugar cane				-	-	47,193	*	*	*
Other permanent				*	*	22,166	86	*	*

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

**North Gondar**

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
<b>All</b>	709,888	154,425	93,343	316,074	56,757	48,925	24,036	14,651
<b>Cereals</b>	511,940	137,122	80,834	251,621	45,919	43,822	22,779	*
Teff	143,898	54,274	28,801	16,715	3,380	31,493	*	*
Barley	55,080	15,801	*	45,574	*	*	*	*
Wheat	37,478	10,194	*	25,205	3,560	*	*	*
Maize	52,147	40,161	35,639	173,189	18,893	13,938	1,406	*
Sorghum	176,170	*	*	*	*	*	*	*
Finger millet	46,211	8,522	3,576	4,249	*	8,774	*	*
Oats / 'Aja'	868	*	*	*	*	*	*	*
Rice	*	-	-	-	-	-	-	-
<b>Pulses</b>	106,982	5,995	*	34,805	4,723	*	*	*
Horse / Faba beans	33,716	4,080	*	26,429	3,058	*	*	*
Field Peas	9,902	632	*	4,884	565	*	*	*
Haricot beans	*	*	-	*	*	-	-	-
Chick peas	38,823	*	*	*	*	-	-	-
Lentils	9,256	*	-	2,270	*	-	-	-
Vetch / Grass peas	6,328	*	*	*	*	-	-	-
Soya beans	*	-	-	-	-	-	-	-
Fenugreek	7,173	*	*	*	*	-	-	-
Gibto	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	70,520	2,442	1,078	34,037	1,947	*	*	*
Neug	31,507	*	*	*	*	*	*	*
Linseed	6,049	*	*	*	*	-	-	-
Groundnuts	*	-	-	-	-	-	-	-
Safflower	1,799	*	*	*	*	*	*	*
Sesame	29,323	*	-	*	*	-	-	-
Rapeseed	1,841	1,435	816	30,061	*	-	-	-
<b>Vegetables</b>	6,505	4,219	*	96,776	1,210	7,493	*	*
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	*	*	-	-	-
Ethiopian cabbage	145	*	-	*	*	-	-	-
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	346	*	*	*	*	*	*	*
Red peppers	5,958	*	*	64,379	997	*	*	*
Swiss chard	*	*	-	*	*	-	-	-
<b>Root crops</b>	4,064	2,648	*	106,620	2,048	7,435	*	*
Beetroot	*	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	*	*	*	9,258	61	-	-	-
Potatoes	2,914	1,810	*	50,963	1,659	*	*	*
Garlic	971	684	*	63,927	323	*	*	*
Taro 'Godere'	*	*	-	*	*	-	-	-
Sweet potatoes	*	*	-	*	*	-	-	-
<b>Other Temporary</b>	7,076	1,005	*	19,250	221	*	*	*
<b>Permanent crops</b>	2,802	994	*	39,906	689	*	*	*
Avocado	*	-	-	-	-	-	-	-
Bananas	*	*	*	*	*	-	-	-
Guava	*	-	-	-	-	-	-	-
Lemons	*	*	*	2,323	*	-	-	-
Mangoes	-	-	-	-	-	-	-	-
Oranges	*	-	-	-	-	-	-	-
Papayas	38	*	*	*	*	-	-	-
Pineapples	-	-	-	-	-	-	-	-
Chat	*	-	-	-	-	-	-	-
Coffee	*	*	*	*	*	-	-	-
Hops / 'Gescho'	1,817	851	*	38,211	569	-	-	-
Enset	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	-	-	-
Other permanent	23	*	*	*	*	-	-	-

(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>	57,170	14,194	7,233	118,990	59,438	71,459	491,095	701,734	398,709
<b>Cereals</b>	43,738	13,020	6,116	114,295	55,404	61,564	479,066	504,122	288,387
Teff	22,918	8,050	3,111	61,753	26,618	16,761	298,555	143,898	66,035
Barley	-	-	-	*	*	*	159,319	55,052	89,937
Wheat	*	*	*	*	*	*	114,177	36,486	53,020
Maize	17,723	2,114	1,706	81,937	17,749	32,230	308,230	45,500	18,769
Sorghum	*	*	*	*	*	*	276,110	176,023	43,748
Finger millet	12,282	2,764	1,197	11,164	2,159	1,517	134,216	46,206	15,664
Oats / 'Aja'	-	-	-	-	-	-	9,350	868	*
Rice	-	-	-	-	-	-	*	*	*
<b>Pulses</b>	*	*	*	9,081	*	*	259,717	106,827	97,034
Horse / Faba beans	*	*	*	*	*	*	165,736	33,716	38,136
Field Peas	-	-	-	-	-	-	62,298	9,902	11,771
Haricot beans	-	-	-	-	-	-	*	*	*
Chick peas	*	*	*	-	-	-	115,870	38,677	29,944
Lentils	-	-	-	-	-	-	40,384	9,256	8,279
Vetch / Grass peas	-	-	-	*	*	*	45,379	6,319	3,382
Soya beans	-	-	-	-	-	-	*	*	*
Fenugreek	-	-	-	*	*	*	50,410	7,173	4,505
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	*	*	*	7,792	360	890	244,982	70,483	13,288
Neug	*	*	*	*	*	*	108,666	31,507	5,894
Linseed	-	-	-	*	*	*	74,052	6,049	2,854
Groundnuts	-	-	-	-	-	-	*	*	*
Safflower	-	-	-	-	-	-	18,065	1,762	*
Sesame	-	-	-	-	-	-	75,586	29,323	4,127
Rapeseed	-	-	-	6,690	298	816	45,435	1,841	129
<b>Vegetables</b>	23,114	663	612	21,027	*	*	229,290	6,500	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	*	*	-
Ethiopian cabbage	-	-	-	-	-	-	*	145	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	*	46	63	*	*	*	38,807	346	-
Red peppers	17,843	616	549	17,152	*	*	166,704	5,953	-
Swiss chard	-	-	-	-	-	-	*	*	-
<b>Root crops</b>	12,269	*	203	12,114	*	*	178,924	4,041	-
Beetroot	-	-	-	-	-	-	*	*	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	*	*	*	17,039	*	-
Potatoes	-	-	-	*	*	*	70,541	2,914	-
Garlic	12,269	*	203	6,117	*	*	119,450	947	-
Taro 'Godere'	-	-	-	-	-	-	*	*	-
Sweet potatoes	-	-	-	-	-	-	*	*	-
<b>Other Temporary</b>	6,032	*	*	*	394	*	92,332	7,066	-
<b>Permanent crops</b>							103,775	2,696	
Avocado							-	-	
Bananas							6,355	*	
Guava							*	*	
Lemons							10,186	*	
Mangoes							-	-	
Oranges							*	*	
Papayas							12,518	*	
Pineapples							-	-	
Chat							*	*	
Coffee							29,198	*	
Hops / 'Geshe'							92,830	1,790	
Enset							-	-	
Sugar cane							-	-	
Other permanent							*	*	

(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>	34,814	7,466	2,664	93,113	54,815	21,856	2,360	77,598	33,506
<b>Cereals</b>	33,721	7,447	2,664	89,756	53,369	7,595	1,604	74,429	31,029
Teff	-	-	-	32,534	16,641	*	*	27,056	12,990
Barley	-	-	-	*	*	*	*	-	-
Wheat	*	*	*	*	*	*	*	*	*
Maize	30,966	6,647	1,429	45,686	6,610	*	*	60,755	11,717
Sorghum	*	*	*	22,858	*	*	*	*	*
Finger millet	-	-	-	13,980	5,690	-	-	*	*
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	*	*	*	*	-	-
<b>Pulses</b>	*	*	-	*	*	*	*	5,091	*
Horse / Faba beans	-	-	-	*	*	*	*	*	*
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	*	*	-	-	-	-
Chick peas	-	-	-	*	*	*	*	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	*	*	-	-	-	-	-	*	*
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	*	*	*	*
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	*	*	*	*	*	233
Neug	-	-	-	*	*	-	-	*	*
Linseed	-	-	-	*	*	*	*	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	*	*	*	*	-	-
Sesame	-	-	-	*	*	-	-	-	-
Rapeseed	-	-	-	*	*	-	-	*	186
<b>Vegetables</b>	-	-	-	*	*	*	*	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	*	*	-	-
Red peppers	-	-	-	*	*	*	*	*	*
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	-	-	-	-	-	3,864	*	*	*
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	*	*	-	-
Potatoes	-	-	-	-	-	*	*	-	-
Garlic	-	-	-	-	-	*	*	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
<b>Other Temporary</b>	-	-	-	*	*	-	-	*	*
<b>Permanent crops</b>	-	-	-	*	*	11,296	*	*	96
Avocado	-	-	-	-	-	-	-	*	*
Bananas	-	-	-	-	-	*	*	*	*
Guava	-	-	-	-	-	-	-	-	-
Lemons	-	-	-	-	-	*	*	-	-
Mangoes	-	-	-	-	-	-	-	-	-
Oranges	-	-	-	-	-	-	-	-	-
Papayas	-	-	-	-	-	-	-	*	*
Pineapples	-	-	-	-	-	-	-	-	-
Chat	-	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	*	*	-	-
Hops / 'Geshe'	-	-	-	*	*	9,023	*	*	87
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>	528,667	161,245	114,190	276,771	50,631	46,465	24,327	29,299
<b>Cereals</b>	373,988	145,084	96,788	225,656	38,597	45,427	22,818	22,416
Teff	126,753	59,372	37,946	25,327	6,148	18,281	6,154	4,640
Barley	54,501	13,162	7,144	47,484	6,170	*	*	*
Wheat	69,156	21,605	13,649	47,146	5,502	*	*	*
Maize	39,908	30,059	21,611	166,690	18,574	*	*	*
Sorghum	30,287	*	-	12,320	*	-	-	-
Finger millet	35,470	19,212	16,439	3,387	530	27,310	11,687	11,436
Oats / 'Aja'	*	*	-	*	*	-	-	-
Rice	*	*	-	*	*	-	-	-
<b>Pulses</b>	107,296	5,175	1,839	51,032	4,881	*	*	*
Horse / Faba beans	39,504	3,080	*	38,477	3,036	*	*	*
Field Peas	11,924	*	-	*	*	-	-	-
Haricot beans	10,834	*	-	*	*	-	-	-
Chick peas	15,648	*	-	*	*	-	-	-
Lentils	4,786	*	-	*	*	-	-	-
Vetch / Grass peas	15,087	298	-	*	298	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	*	*	-	*	*	-	-	-
Gibto	9,105	389	*	3,340	*	-	-	-
<b>Oilseeds</b>	33,821	4,756	*	52,329	2,125	*	*	*
Neug	18,966	*	*	-	-	*	*	*
Linseed	9,072	439	*	4,768	394	-	-	-
Groundnuts	-	-	-	-	-	-	-	-
Safflower	401	*	*	*	*	-	-	-
Sesame	*	-	-	-	-	-	-	-
Rapeseed	5,363	4,003	*	48,036	1,693	*	*	*
<b>Vegetables</b>	3,220	1,504	1,298	56,754	620	*	*	*
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	*	*	-	-	-
Ethiopian cabbage	*	*	-	*	*	-	-	-
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	29	16	*	5,781	14	-	-	-
Red peppers	3,136	1,450	1,295	41,443	567	*	*	*
Swiss chard	*	*	-	*	*	-	-	-
<b>Root crops</b>	6,817	*	*	109,312	*	*	*	*
Beetroot	*	-	-	-	-	-	-	-
Carrot	*	*	-	*	*	-	-	-
Onion	*	*	*	*	*	-	-	-
Potatoes	*	*	*	40,037	*	-	-	-
Garlic	634	411	*	87,379	288	*	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	*	*	*	-	-	-
<b>Other Temporary</b>	592	262	*	36,726	224	*	*	*
<b>Permanent crops</b>	2,933	896		70,538	885			
Avocado	-	-	-	-	-			
Bananas	*	-	-	-	-			
Guava	-	-	-	-	-			
Lemons	*	*	*	*	*			
Mangoes	-	-	-	-	-			
Oranges	*	*	*	*	*			
Papayas	*	-	-	-	-			
Pineapples	-	-	-	-	-			
Chat	22	*	*	*	*			
Coffee	*	*	*	5,783	*			
Hops / 'Gescho'	2,230	825		68,626	814			
Enset	-	-	-	-	-			
Sugar cane	*	-	-	-	-			
Other permanent	12	*		*	*			

(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>	53,075	14,248	7,360	111,646	72,039	77,531	419,744	527,188	486,013
<b>Cereals</b>	39,438	13,103	5,677	109,731	70,565	68,695	414,916	373,050	351,044
Teff	28,347	9,735	3,303	80,082	37,335	30,002	290,799	126,332	75,347
Barley	2,861	*	*	17,898	4,517	4,098	207,186	54,484	90,158
Wheat	4,764	1,281	*	29,545	*	10,657	211,480	68,779	102,361
Maize	5,300	*	*	42,281	9,825	19,282	260,381	39,785	16,242
Sorghum	-	-	-	-	-	-	118,600	30,287	11,588
Finger millet	*	*	*	17,888	5,766	4,655	109,203	35,470	19,680
Oats / 'Aja'	-	-	-	-	-	-	*	*	*
Rice	-	-	-	-	-	-	31,702	*	*
<b>Pulses</b>	*	*	*	6,276	*	*	309,410	107,227	126,664
Horse / Faba beans	*	*	*	-	-	-	197,861	39,435	59,800
Field Peas	-	-	-	-	-	-	82,770	11,924	17,261
Haricot beans	-	-	-	-	-	-	45,002	10,834	11,050
Chick peas	-	-	-	-	-	-	71,461	15,648	15,116
Lentils	-	-	-	-	-	-	35,006	4,786	4,879
Vetch / Grass peas	-	-	-	-	-	-	67,158	15,087	14,596
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	13,162	*	*
Gibto	*	*	*	6,276	*	*	50,813	9,105	*
<b>Oilseeds</b>	5,754	308	362	15,478	*	*	201,074	33,571	8,305
Neug	*	*	*	*	*	*	84,833	18,966	3,877
Linseed	*	*	*	-	-	-	88,902	9,072	3,863
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	*	*	*	-	-	-	10,172	401	59
Sesame	-	-	-	-	-	-	*	*	*
Rapeseed	*	*	*	15,002	*	*	88,508	5,114	502
<b>Vegetables</b>	15,159	*	*	*	*	*	125,982	3,206	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	*	*	-
Ethiopian cabbage	-	-	-	-	-	-	*	*	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	*	*	*	*	*	*	10,082	29	-
Red peppers	14,680	*	*	*	*	*	103,504	3,122	-
Swiss chard	-	-	-	-	-	-	*	*	-
<b>Root crops</b>	9,252	*	*	*	*	*	193,613	6,671	-
Beetroot	-	-	-	-	-	-	*	*	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	*	*	*	*	*	*	14,310	*	-
Potatoes	-	-	-	*	*	*	74,817	*	-
Garlic	*	*	*	*	*	*	141,649	585	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	*	*	*	*	*	*	-
<b>Other Temporary</b>	*	*	*	*	*	*	75,139	570	-
<b>Permanent crops</b>							139,726	2,893	
Avocado							-	-	
Bananas							*	*	
Guava							-	-	
Lemons							*	*	
Mangoes							-	-	
Oranges							*	*	
Papayas							*	*	
Pineapples							-	-	
Chat							3,815	22	
Coffee							*	*	
Hops / 'Geshe'							133,060	2,192	
Enset							-	-	
Sugar cane							*	*	
Other permanent							7,189	12	

(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>	6,208	944	576	86,745	47,390	39,333	3,235	123,920	77,827
<b>Cereals</b>	3,331	878	576	81,854	46,929	13,065	2,043	120,014	73,305
Teff	*	*	*	49,222	18,692	4,868	*	77,363	34,390
Barley	-	-	-	19,645	*	*	*	32,738	7,122
Wheat	*	*	*	39,298	14,722	*	*	36,689	*
Maize	*	*	*	*	*	2,899	*	35,849	*
Sorghum	-	-	-	*	*	*	*	*	*
Finger millet	-	-	-	*	*	*	*	23,870	*
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	*	*	*	*	*	*
<b>Pulses</b>	-	-	-	2,918	*	4,311	*	13,940	1,580
Horse / Faba beans	-	-	-	1,934	*	*	*	*	*
Field Peas	-	-	-	*	*	*	*	*	*
Haricot beans	-	-	-	*	*	*	*	*	*
Chick peas	-	-	-	-	-	*	*	*	*
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	*	*	*	*
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	*	*
Gibto	-	-	-	-	-	-	-	*	*
<b>Oilseeds</b>	-	-	-	*	*	*	*	27,635	1,793
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	*	*	-	-	*	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	*	*	*	*
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	*	*	*	*	*	*
<b>Vegetables</b>	*	*	-	*	*	14,606	*	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	*	*	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	-	-	-	*	*	*	*	-	-
Green peppers	-	-	-	-	-	*	*	-	-
Red peppers	*	*	-	*	*	*	*	*	*
Swiss chard	-	-	-	-	-	*	*	*	*
<b>Root crops</b>	*	*	-	*	*	12,458	313	14,941	*
Beetroot	-	-	-	-	-	*	*	*	*
Carrot	-	-	-	-	-	*	*	*	*
Onion	-	-	-	-	-	*	*	*	*
Potatoes	*	*	-	*	*	*	*	*	*
Garlic	-	-	-	*	*	5,313	33	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	*	*
<b>Other Temporary</b>	-	-	-	*	*	*	*	*	*
<b>Permanent crops</b>				*	*	14,312	226	*	*
Avocado				-	-	-	-	-	-
Bananas				-	-	*	*	-	-
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	-	-	-	-
Oranges				-	-	*	*	-	-
Papayas				-	-	*	*	-	-
Pineapples				-	-	-	-	-	-
Chat				-	-	*	*	-	-
Coffee	*	*	-	-	-	*	*	-	-
Hops / 'Geshe'				*	*	12,874	180	*	*
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>	254,580	59,433	17,836	218,186	45,374	*	*	*
<b>Cereals</b>	190,269	47,310	17,366	173,470	33,420	*	*	*
Teff	65,744	14,850	1,492	45,029	10,131	-	-	-
Barley	37,004	11,880	*	85,251	10,952	*	*	*
Wheat	36,929	13,398	13,263	41,914	5,600	-	-	-
Maize	6,050	2,235	*	55,538	2,166	-	-	-
Sorghum	42,516	4,277	*	21,191	4,034	-	-	-
Finger millet	*	*	*	*	*	-	-	-
Oats / 'Aja'	1,672	417	-	7,991	417	-	-	-
Rice	-	-	-	-	-	-	-	-
<b>Pulses</b>	54,874	8,649	*	74,020	8,585	-	-	-
Horse / Faba beans	14,302	3,839	*	43,977	3,809	-	-	-
Field Peas	12,127	1,706	*	23,275	1,672	-	-	-
Haricot beans	*	*	-	*	*	-	-	-
Chick peas	6,636	*	-	7,387	*	-	-	-
Lentils	10,049	906	-	10,533	906	-	-	-
Vetch / Grass peas	4,727	*	-	*	*	-	-	-
Soya beans	*	-	-	-	-	-	-	-
Fenugreek	3,384	*	-	9,147	*	-	-	-
Gibto	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	4,628	1,015	*	19,075	946	-	-	-
Neug	553	*	-	*	*	-	-	-
Linseed	3,366	708	-	11,143	708	-	-	-
Groundnuts	-	-	-	-	-	-	-	-
Safflower	*	*	*	*	*	-	-	-
Sesame	*	-	-	-	-	-	-	-
Rapeseed	*	*	-	*	*	-	-	-
<b>Vegetables</b>	615	344	*	53,973	324	-	-	-
Lettuce	*	*	-	*	*	-	-	-
Head cabbage	*	*	*	*	*	-	-	-
Ethiopian cabbage	109	66	-	25,763	66	-	-	-
Tomatoes	*	*	*	*	*	-	-	-
Green peppers	*	*	*	*	*	-	-	-
Red peppers	362	197	-	17,601	197	-	-	-
Swiss chard	*	9	-	3,566	9	-	-	-
<b>Root crops</b>	1,592	963	*	66,004	947	-	-	-
Beetroot	*	*	-	*	*	-	-	-
Carrot	*	*	-	*	*	-	-	-
Onion	*	*	-	9,780	*	-	-	-
Potatoes	596	429	*	27,862	413	-	-	-
Garlic	761	421	-	52,215	421	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	-	*	*	-	-	-
<b>Other Temporary</b>	*	*	-	20,320	*	-	-	-
<b>Permanent crops</b>	1,652	807		34,921	807			
Avocado	*	-	-	-	-			
Bananas	*	*	*	*	*			
Guava	*	*	*	*	*			
Lemons	*	*	*	*	*			
Mangoes	*	-	-	-	-			
Oranges	*	*	*	3,567	*			
Papayas	*	-	-	-	-			
Pineapples	-	-	-	-	-			
Chat	*	*	*	6,687	*			
Coffee	403	*	*	6,840	*			
Hops / 'Gescho'	616	314		30,285	314			
Enset	-	-	-	-	-			
Sugar cane	*	*	*	*	*			
Other permanent	*	*	*	*	*			



(Table 1.3.3 cont'd.)

**North Wolo**

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
<b>All</b>	15,579	4,238	*	36,392	9,525	16,479	357,752	253,109	200,870
<b>Cereals</b>	15,142	4,201	*	35,930	9,392	16,068	347,781	189,118	138,771
Teff	12,010	*	*	6,587	*	582	187,438	65,744	24,308
Barley	-	-	-	*	*	*	195,830	36,966	57,886
Wheat	*	*	*	31,920	7,644	13,159	148,772	35,968	43,237
Maize	*	*	*	-	-	-	85,622	6,022	2,846
Sorghum	*	*	*	-	-	-	108,931	42,392	8,079
Finger millet	*	*	*	-	-	-	*	*	*
Oats / 'Aja'	-	-	-	-	-	-	20,437	1,672	2,312
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	-	-	-	*	*	*	237,060	54,807	59,571
Horse / Faba beans	-	-	-	*	*	*	134,137	14,302	19,944
Field Peas	-	-	-	*	*	*	93,470	12,118	15,428
Haricot beans	-	-	-	-	-	-	20,416	*	*
Chick peas	-	-	-	-	-	-	49,361	6,579	5,146
Lentils	-	-	-	-	-	-	83,221	10,049	9,761
Vetch / Grass peas	-	-	-	-	-	-	39,833	4,727	4,515
Soya beans	-	-	-	-	-	-	*	*	-
Fenugreek	-	-	-	-	-	-	44,036	3,384	*
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	*	*	*	83,390	4,575	2,528
Neug	-	-	-	-	-	-	14,245	539	109
Linseed	-	-	-	-	-	-	62,623	3,357	1,343
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	*	*	*	*	*	*
Sesame	-	-	-	-	-	-	*	*	*
Rapeseed	-	-	-	-	-	-	*	*	*
<b>Vegetables</b>	*	*	*	-	-	-	82,435	594	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	*	*	*	-	-	-	*	*	-
Ethiopian cabbage	-	-	-	-	-	-	36,984	109	-
Tomatoes	*	*	*	-	-	-	*	*	-
Green peppers	*	*	*	-	-	-	*	*	-
Red peppers	-	-	-	-	-	-	30,412	348	-
Swiss chard	-	-	-	-	-	-	4,438	*	-
<b>Root crops</b>	*	*	*	-	-	-	104,309	1,573	-
Beetroot	-	-	-	-	-	-	*	*	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	-	-	-	-	-	-	13,750	*	-
Potatoes	*	*	*	-	-	-	41,016	582	-
Garlic	-	-	-	-	-	-	88,339	760	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	*	*	-
<b>Other Temporary</b>	-	-	-	-	-	-	35,482	*	-
<b>Permanent crops</b>							67,179	1,527	
Avocado							-	-	
Bananas							*	*	
Guava							*	*	
Lemons							*	*	
Mangoes							-	-	
Oranges							8,396	*	
Papayas							*	*	
Pineapples							-	-	
Chat							12,653	*	
Coffee							21,160	358	
Hops / 'Geshe'							49,673	596	
Enset							-	-	
Sugar cane							*	*	
Other permanent							3,978	*	

(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>	15,547	1,288	*	22,328	5,540	35,497	1,823	56,413	19,583
<b>Cereals</b>	9,779	1,152	*	12,126	*	5,313	659	48,422	17,290
Teff	-	-	-	*	*	*	*	23,209	7,409
Barley	*	*	*	1,807	*	*	*	*	*
Wheat	*	*	*	*	*	*	*	23,982	5,403
Maize	*	*	*	*	*	*	*	6,265	*
Sorghum	*	*	*	*	*	*	*	7,142	*
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>	*	*	-	*	*	8,742	*	3,670	*
Lettuce	-	-	-	-	-	*	*	*	*
Head cabbage	-	-	-	-	-	*	*	*	*
Ethiopian cabbage	*	*	-	*	*	*	*	*	*
Tomatoes	-	-	-	-	-	*	*	*	*
Green peppers	*	*	-	-	-	*	*	*	*
Red peppers	*	*	-	-	-	3,090	*	*	*
Swiss chard	*	*	-	-	-	*	*	-	-
<b>Root crops</b>	*	*	-	*	*	13,837	259	*	*
Beetroot	*	*	-	-	-	*	*	-	-
Carrot	*	*	-	-	-	*	*	-	-
Onion	*	*	-	-	-	3,521	*	*	*
Potatoes	*	*	-	*	*	3,618	*	*	*
Garlic	-	-	-	*	*	10,346	53	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
<b>Other Temporary</b>	*	*	-	-	-	*	*	*	*
<b>Permanent crops</b>				*	*	19,415	458	*	*
Avocado				-	-	*	*	-	-
Bananas				-	-	*	*	*	*
Guava				-	-	*	*	-	-
Lemons				-	-	*	*	*	*
Mangoes				-	-	*	*	-	-
Oranges				-	-	*	*	*	*
Papayas				-	-	-	-	-	-
Pineapples				-	-	*	-	-	-
Chat				-	-	*	*	*	*
Coffee	-	-	-	-	-	*	91	*	*
Hops / 'Geshe'				*	*	12,627	176	*	*
Enset				-	-	-	-	-	-
Sugar cane				-	-	*	*	*	*
Other permanent				-	-	*	*	-	-

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

**South Wolo**

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
<b>All</b>	422,741	196,909	98,880	426,836	113,585	*	*	*
<b>Cereals</b>	291,039	157,202	95,831	346,440	76,245	*	*	*
Teff	113,829	59,289	33,712	117,085	23,185	*	*	*
Barley	35,692	11,717	726	128,818	11,160	*	*	*
Wheat	78,907	57,459	61,037	135,079	13,434	*	*	*
Maize	16,921	13,948	-	149,806	13,948	-	-	-
Sorghum	41,039	13,078	*	54,948	12,851	-	-	-
Finger millet	737	344	-	12,172	344	-	-	-
Oats / 'Aja'	3,916	*	*	18,019	*	-	-	-
Rice	-	-	-	-	-	-	-	-
<b>Pulses</b>	112,079	32,759	2,850	202,656	30,479	*	*	*
Horse / Faba beans	36,198	16,498	1,002	151,832	15,782	-	-	-
Field Peas	17,501	4,982	*	50,861	4,867	-	-	-
Haricot beans	6,726	1,032	-	17,265	1,032	-	-	-
Chick peas	14,132	*	*	*	*	-	-	-
Lentils	13,403	2,067	*	27,848	2,025	-	-	-
Vetch / Grass peas	15,869	2,233	*	*	*	*	*	*
Soya beans	*	-	-	-	-	-	-	-
Fenugreek	8,237	*	*	20,977	*	*	*	*
Gibto	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	7,698	1,030	*	27,488	969	-	-	-
Neug	4,385	*	*	*	*	-	-	-
Linseed	3,177	487	*	15,389	448	-	-	-
Groundnuts	-	-	-	-	-	-	-	-
Safflower	*	*	-	*	*	-	-	-
Sesame	*	*	-	*	*	-	-	-
Rapeseed	97	*	-	3,655	*	-	-	-
<b>Vegetables</b>	953	529	*	91,010	528	-	-	-
Lettuce	*	*	-	3,664	*	-	-	-
Head cabbage	*	*	-	4,308	*	-	-	-
Ethiopian cabbage	101	74	*	32,927	73	-	-	-
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	58	54	-	9,881	54	-	-	-
Red peppers	749	359	-	40,805	359	-	-	-
Swiss chard	20	19	-	8,021	19	-	-	-
<b>Root crops</b>	1,247	880	*	113,065	856	-	-	-
Beetroot	*	*	-	*	*	-	-	-
Carrot	*	*	-	7,993	*	-	-	-
Onion	297	206	-	15,385	206	-	-	-
Potatoes	298	227	-	22,422	227	-	-	-
Garlic	577	383	*	83,756	359	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	-	*	*	-	-	-
<b>Other Temporary</b>	4,345	845	-	55,225	845	-	-	-
<b>Permanent crops</b>	5,380	3,663	-	97,323	3,663	-	-	-
Avocado	*	-	-	-	-	-	-	-
Bananas	*	*	*	*	*	-	-	-
Guava	*	*	*	*	*	-	-	-
Lemons	-	-	-	-	-	-	-	-
Mangoes	*	*	*	*	*	-	-	-
Oranges	*	*	*	*	*	-	-	-
Papayas	*	*	*	*	*	-	-	-
Pineapples	-	-	-	-	-	-	-	-
Chat	*	*	-	44,653	*	-	-	-
Coffee	*	*	-	24,280	*	-	-	-
Hops / 'Gescho'	764	468	-	51,586	468	-	-	-
Enset	-	-	-	-	-	-	-	-
Sugar cane	126	*	-	3,703	*	-	-	-
Other permanent	43	*	-	3,674	*	-	-	-

(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>	24,551	7,058	4,378	111,285	69,786	90,194	558,225	420,348	377,746
<b>Cereals</b>	22,674	6,918	4,271	110,676	67,641	87,391	538,611	289,350	230,835
Teff	16,559	*	1,776	71,554	29,097	31,179	336,026	113,252	34,505
Barley	*	*	*	*	*	*	251,606	35,690	50,632
Wheat	8,574	2,000	*	94,786	38,102	55,425	316,725	77,796	115,577
Maize	-	-	-	-	-	-	175,429	16,921	13,284
Sorghum	*	*	*	*	*	*	141,323	41,039	11,562
Finger millet	-	-	-	-	-	-	20,354	737	*
Oats / 'Aja'	-	-	-	*	*	*	39,246	3,916	4,691
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	*	*	*	13,448	*	*	434,309	111,434	144,721
Horse / Faba beans	*	*	*	4,895	*	912	282,307	35,658	53,877
Field Peas	*	*	*	*	*	*	140,697	17,454	22,606
Haricot beans	-	-	-	-	-	-	67,652	6,670	6,360
Chick peas	-	-	-	*	*	*	92,177	14,132	19,606
Lentils	-	-	-	*	*	*	112,863	13,403	15,021
Vetch / Grass peas	-	-	-	*	*	-	100,610	15,869	21,304
Soya beans	-	-	-	-	-	-	*	*	*
Fenugreek	-	-	-	*	*	*	77,595	8,237	5,928
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	*	*	*	*	*	*	109,646	7,698	2,190
Neug	*	*	*	-	-	-	52,257	4,385	693
Linseed	-	-	-	*	*	*	67,048	3,177	1,469
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	*	*	*
Sesame	-	-	-	-	-	-	*	*	*
Rapeseed	-	-	-	-	-	-	4,265	97	18
<b>Vegetables</b>	-	-	-	*	*	*	119,660	953	-
Lettuce	-	-	-	-	-	-	3,664	*	-
Head cabbage	-	-	-	-	-	-	4,934	*	-
Ethiopian cabbage	-	-	-	*	*	*	41,065	101	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	11,727	58	-
Red peppers	-	-	-	-	-	-	60,052	749	-
Swiss chard	-	-	-	-	-	-	8,661	20	-
<b>Root crops</b>	*	*	*	*	*	*	152,271	1,247	-
Beetroot	-	-	-	-	-	-	*	*	-
Carrot	-	-	-	-	-	-	9,217	*	-
Onion	-	-	-	-	-	-	20,257	297	-
Potatoes	-	-	-	-	-	-	27,027	298	-
Garlic	*	*	*	*	*	*	116,163	577	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	*	*	-
<b>Other Temporary</b>	-	-	-	-	-	-	86,728	4,335	-
<b>Permanent crops</b>							141,688	5,330	
Avocado							*	*	
Bananas							*	*	
Guava							*	*	
Lemons							-	-	
Mangoes							*	*	
Oranges							*	*	
Papayas							*	*	
Pineapples							-	-	
Chat							54,049	*	
Coffee							43,381	*	
Hops / 'Geshe'							77,411	735	
Enset							-	-	
Sugar cane							8,035	126	
Other permanent							8,242	43	

(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>	14,257	2,158	3,454	31,020	5,287	53,578	5,755	98,541	51,114
<b>Cereals</b>	8,689	1,633	*	19,552	3,982	*	*	90,000	48,301
Teff	*	*	*	8,854	2,178	*	*	59,088	22,289
Barley	-	-	-	*	*	*	*	*	*
Wheat	*	*	*	6,400	*	*	*	66,072	23,761
Maize	-	-	-	*	*	*	*	*	*
Sorghum	-	-	-	*	*	*	*	*	*
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	*	*
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	*	*	*	6,872	807	*	*	22,683	2,583
Horse / Faba beans	*	*	*	4,997	520	*	*	12,339	*
Field Peas	-	-	-	*	*	*	*	*	*
Haricot beans	*	*	*	-	-	*	*	*	*
Chick peas	-	-	-	*	*	*	*	*	*
Lentils	-	-	-	*	*	-	-	*	*
Vetch / Grass peas	-	-	-	*	*	*	*	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	*	*	*	*
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	2,714	*	*	*	*	*
Neug	-	-	-	*	*	*	*	*	*
Linseed	-	-	-	*	*	*	*	*	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	*	*
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
<b>Vegetables</b>	-	-	-	*	*	14,217	*	3,328	*
Lettuce	-	-	-	-	-	*	*	*	*
Head cabbage	-	-	-	-	-	4,308	*	*	*
Ethiopian cabbage	-	-	-	*	*	*	*	*	*
Tomatoes	-	-	-	-	-	*	*	-	-
Green peppers	-	-	-	-	-	*	*	*	*
Red peppers	-	-	-	*	*	*	*	-	-
Swiss chard	-	-	-	-	-	4,357	*	-	-
<b>Root crops</b>	-	-	-	*	*	*	163	*	*
Beetroot	-	-	-	-	-	*	*	-	-
Carrot	-	-	-	*	*	*	*	*	*
Onion	-	-	-	-	-	*	*	-	-
Potatoes	-	-	-	*	*	*	*	-	-
Garlic	-	-	-	*	*	*	*	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
<b>Other Temporary</b>	*	*	-	*	*	*	*	*	*
<b>Permanent crops</b>				*	*	21,032	*	*	*
Avocado				-	-	*	*	-	-
Bananas				-	-	*	*	-	-
Guava				-	-	*	*	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	*	*	-	-
Oranges				-	-	*	*	*	*
Papayas				-	-	-	-	-	-
Pineapples				-	-	-	-	-	-
Chat				*	*	*	*	*	*
Coffee	-	-	-	*	*	*	*	*	*
Hops / 'Gescho'				*	*	*	*	*	*
Enset				-	-	-	-	-	-
Sugar cane				-	-	4,931	69	-	-
Other permanent				-	-	*	*	-	-

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

**North Shewa**

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
<b>All</b>	520,150	166,765	160,869	245,005	52,139	33,723	19,216	14,870
<b>Cereals</b>	388,927	147,495	153,614	176,335	36,871	31,379	18,568	13,307
Teff	138,755	65,716	51,074	47,926	10,655	20,527	12,307	*
Barley	49,773	15,597	4,752	78,967	9,712	8,374	*	*
Wheat	84,746	53,793	96,243	46,964	6,372	10,381	*	*
Maize	8,766	3,429	*	79,973	3,141	-	-	-
Sorghum	106,019	8,769	1,023	22,554	6,840	*	*	*
Finger millet	*	*	-	*	*	-	-	-
Oats / 'Aja'	*	*	*	*	*	-	-	-
Rice	*	-	-	-	-	-	-	-
<b>Pulses</b>	111,615	14,225	1,499	97,567	12,383	2,396	*	*
Horse / Faba beans	41,040	9,622	*	78,873	9,239	*	*	*
Field Peas	9,342	1,134	*	16,081	1,034	*	*	*
Haricot beans	9,484	890	*	14,390	774	-	-	-
Chick peas	26,835	923	*	4,291	524	-	-	-
Lentils	17,402	1,129	*	6,103	585	*	*	*
Vetch / Grass peas	5,887	*	*	*	*	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	1,627	428	*	13,259	148	*	*	*
Gibto	*	-	-	-	-	-	-	-
<b>Oilseeds</b>	11,274	1,381	*	20,495	564	4,142	236	1,275
Neug	1,883	*	-	*	*	-	-	-
Linseed	4,125	166	*	4,175	*	*	*	*
Groundnuts	*	*	-	*	*	-	-	-
Safflower	2,876	*	*	6,334	*	3,065	*	*
Sesame	2,232	*	*	*	*	-	-	-
Rapeseed	*	*	-	*	*	-	-	-
<b>Vegetables</b>	1,323	739	*	96,339	581	*	*	*
Lettuce	*	*	-	*	*	-	-	-
Head cabbage	*	*	-	2,312	*	-	-	-
Ethiopian cabbage	95	59	*	39,427	58	-	-	-
Tomatoes	*	*	*	5,405	*	*	*	*
Green peppers	142	83	*	17,820	50	-	-	-
Red peppers	1,057	571	*	45,935	447	*	*	*
Swiss chard	*	*	-	*	*	-	-	-
<b>Root crops</b>	2,293	*	*	99,382	455	3,522	*	*
Beetroot	3	*	-	3,280	*	-	-	-
Carrot	15	*	-	6,098	*	-	-	-
Onion	*	*	*	43,831	175	*	*	*
Potatoes	50	43	-	14,532	43	-	-	-
Garlic	648	426	*	73,654	187	*	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	-	3,017	*	-	-	-
<b>Other Temporary</b>	147	67	*	15,783	66	*	*	*
<b>Permanent crops</b>	4,570	1,219		71,394	1,219			
Avocado	*	*		*	*			
Bananas	43	*		*	*			
Guava	*	*		*	*			
Lemons	18	*		*	*			
Mangoes	*	*		*	*			
Oranges	45	18		5,658	18			
Papayas	*	*		*	*			
Pineapples	-	-		-	-			
Chat	117	*		5,662	*			
Coffee	696	280		21,393	280			
Hops / 'Gescho'	3,319	753		51,213	753			
Enset	*	-		-	-			
Sugar cane	224	*		*	*			
Other permanent	43	*		13,366	*			

(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>	70,392	28,877	21,619	97,446	66,533	124,380	416,497	518,458	399,044
<b>Cereals</b>	65,468	28,025	20,436	97,446	64,031	119,872	402,772	387,783	252,919
Teff	42,118	14,335	6,191	58,266	28,420	37,191	282,934	138,755	37,833
Barley	9,071	1,654	1,221	5,591	493	598	177,454	49,773	68,443
Wheat	30,512	*	12,486	73,105	34,388	81,353	221,176	83,694	125,935
Maize	*	*	*	*	*	*	163,713	8,765	3,818
Sorghum	*	*	*	*	*	*	175,066	105,928	15,674
Finger millet	-	-	-	-	-	-	*	*	*
Oats / 'Aja'	*	*	*	*	*	*	*	*	*
Rice	-	-	-	-	-	-	*	*	*
<b>Pulses</b>	3,917	*	*	9,359	1,029	*	299,337	111,564	143,882
Horse / Faba beans	*	*	*	*	*	*	204,090	41,040	72,629
Field Peas	*	*	*	*	*	*	84,074	9,342	12,473
Haricot beans	*	*	*	-	-	-	70,230	9,432	5,182
Chick peas	*	*	*	*	*	*	95,967	26,835	28,616
Lentils	*	*	*	*	*	*	110,250	17,402	15,252
Vetch / Grass peas	-	-	-	*	*	*	30,661	5,887	8,918
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	*	*	*	46,688	1,627	812
Gibto	-	-	-	-	-	-	*	*	-
<b>Oilseeds</b>	*	*	*	*	*	*	126,897	10,851	2,242
Neug	-	-	-	-	-	-	37,101	1,883	250
Linseed	*	*	*	*	*	*	46,542	4,125	1,693
Groundnuts	-	-	-	-	-	-	*	*	*
Safflower	-	-	-	*	*	*	29,883	2,650	*
Sesame	*	*	*	-	-	-	30,721	2,036	138
Rapeseed	-	-	-	-	-	-	13,758	*	20
<b>Vegetables</b>	*	*	*	-	-	-	174,038	1,319	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	-	-	-	-	-	-	2,312	*	-
Ethiopian cabbage	*	*	*	-	-	-	60,732	95	-
Tomatoes	-	-	-	-	-	-	8,075	6	-
Green peppers	*	*	*	-	-	-	36,912	140	-
Red peppers	*	*	*	-	-	-	93,990	1,057	-
Swiss chard	-	-	-	-	-	-	9,000	*	-
<b>Root crops</b>	8,178	162	*	*	*	*	196,243	2,287	-
Beetroot	-	-	-	-	-	-	7,019	3	-
Carrot	-	-	-	-	-	-	10,246	10	-
Onion	3,544	116	*	*	*	*	102,803	*	-
Potatoes	-	-	-	-	-	-	19,639	50	-
Garlic	*	*	*	*	*	*	137,501	648	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	7,510	*	-
<b>Other Temporary</b>	*	*	*	-	-	-	35,358	145	-
<b>Permanent crops</b>							172,143	4,509	
Avocado							*	*	
Bananas							13,658	43	
Guava							*	*	
Lemons							11,363	18	
Mangoes							*	*	
Oranges							10,652	45	
Papayas							15,403	*	
Pineapples							-	-	
Chat							18,016	117	
Coffee							50,806	669	
Hops / 'Geshe'							146,485	3,301	
Enset							*	*	
Sugar cane							13,591	224	
Other permanent							25,254	43	

(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>	10,862	*	*	78,734	41,790	80,101	4,538	119,823	63,338
<b>Cereals</b>	*	*	*	63,844	33,410	15,271	2,085	112,911	59,753
Teff	-	-	-	35,476	17,675	*	*	65,348	24,075
Barley	-	-	-	13,397	1,989	1,863	*	16,690	*
Wheat	*	*	*	28,874	*	*	*	74,488	29,395
Maize	-	-	-	5,228	*	*	*	*	*
Sorghum	*	*	-	8,397	*	*	*	*	*
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	*	*
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	-	-	-	21,380	*	4,627	*	17,095	3,015
Horse / Faba beans	-	-	-	2,826	296	*	*	*	*
Field Peas	-	-	-	2,883	*	-	-	3,295	*
Haricot beans	-	-	-	*	*	-	-	*	*
Chick peas	-	-	-	*	*	*	*	*	*
Lentils	-	-	-	*	*	-	-	*	*
Vetch / Grass peas	-	-	-	-	-	*	*	*	*
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	*	*	*	*
Gibto	-	-	-	-	-	*	*	-	-
<b>Oilseeds</b>	-	-	-	*	*	*	*	10,402	442
Neug	-	-	-	-	-	*	*	*	*
Linseed	-	-	-	*	*	-	-	*	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	*	*	-	-	*	*
Sesame	-	-	-	-	-	*	*	*	*
Rapeseed	-	-	-	-	-	-	-	*	*
<b>Vegetables</b>	*	*	-	-	-	31,965	*	*	*
Lettuce	-	-	-	-	-	*	*	-	-
Head cabbage	-	-	-	-	-	*	*	-	-
Ethiopian cabbage	-	-	-	-	-	4,784	*	*	*
Tomatoes	*	*	-	-	-	*	*	*	*
Green peppers	-	-	-	-	-	*	*	*	*
Red peppers	-	-	-	-	-	23,914	*	*	*
Swiss chard	*	*	-	-	-	*	*	*	*
<b>Root crops</b>	*	*	-	1,855	*	28,228	252	*	*
Beetroot	-	-	-	-	-	*	*	-	-
Carrot	*	*	-	-	-	*	*	*	*
Onion	*	*	-	*	*	14,680	133	*	*
Potatoes	-	-	-	-	-	*	*	*	*
Garlic	-	-	-	*	*	17,704	112	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	*	*	-	-
<b>Other Temporary</b>	-	-	-	*	*	4,391	9	*	*
<b>Permanent crops</b>				*	*	54,669	1,368	*	*
Avocado				-	-	*	*	-	-
Bananas				-	-	5,762	22	-	-
Guava				-	-	-	-	-	-
Lemons				-	-	*	*	-	-
Mangoes				-	-	*	*	*	*
Oranges				*	*	7,196	24	-	-
Papayas				-	-	*	*	*	*
Pineapples				-	-	-	-	-	-
Chat				*	*	*	*	*	*
Coffee	*	*	-	*	*	22,582	249	*	*
Hops / 'Geshe'				*	*	42,237	*	*	*
Enset				-	-	-	-	*	*
Sugar cane				-	-	*	*	*	*
Other permanent				*	*	4,780	8	*	*



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>	569,219	347,314	513,162	288,920	41,765	122,788	83,713	97,032
<b>Cereals</b>	440,894	323,527	488,367	217,177	28,492	114,198	76,786	87,235
Teff	221,753	191,835	280,558	14,370	2,920	76,877	40,515	39,524
Barley	38,705	15,017	9,798	33,097	5,921	25,156	6,646	6,151
Wheat	80,202	64,090	135,965	17,766	2,353	49,264	15,845	27,115
Maize	54,483	45,856	60,006	180,394	14,320	45,128	10,394	12,768
Sorghum	41,874	*	*	9,479	*	-	-	-
Finger millet	*	*	*	-	-	*	*	*
Oats / 'Aja'	*	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
<b>Pulses</b>	91,096	12,413	10,890	76,913	6,301	30,548	4,277	4,539
Horse / Faba beans	31,954	8,797	6,886	58,951	4,842	23,978	2,912	*
Field Peas	6,791	1,202	*	2,551	251	5,988	950	*
Haricot beans	*	*	*	*	*	-	-	-
Chick peas	20,874	*	*	*	*	*	*	*
Lentils	1,009	-	-	-	-	-	-	-
Vetch / Grass peas	18,505	*	*	*	*	*	*	*
Soya beans	*	-	-	-	-	-	-	-
Fenugreek	653	*	*	*	*	-	-	-
Gibto	*	*	*	*	*	*	*	*
<b>Oilseeds</b>	28,414	5,585	11,805	29,302	*	19,938	*	*
Neug	21,104	*	259	*	*	*	*	*
Linseed	2,039	*	*	*	*	*	*	*
Groundnuts	*	-	-	-	-	-	-	-
Safflower	*	*	*	*	*	-	-	-
Sesame	*	*	-	*	*	-	-	-
Rapeseed	2,841	2,300	11,428	23,119	601	16,939	*	*
<b>Vegetables</b>	2,209	1,383	624	86,269	994	*	*	*
Lettuce	*	*	-	*	*	-	-	-
Head cabbage	61	11	-	5,729	11	-	-	-
Ethiopian cabbage	*	*	-	*	*	-	-	-
Tomatoes	*	-	-	-	-	-	-	-
Green peppers	321	238	*	20,922	181	*	*	*
Red peppers	1,792	1,116	422	59,872	783	*	*	*
Swiss chard	*	*	-	*	*	-	-	-
<b>Root crops</b>	3,584	2,548	1,012	103,305	1,995	7,568	151	282
Beetroot	18	13	*	6,136	13	-	-	-
Carrot	*	*	*	-	-	-	-	-
Onion	552	210	*	18,027	*	-	-	-
Potatoes	2,451	1,968	*	39,437	1,468	6,035	147	264
Garlic	555	353	*	56,293	319	*	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	-	*	*	-	-	-
<b>Other Temporary</b>	242	155	*	49,528	149	-	-	-
<b>Permanent crops</b>	2,780	1,703		95,391	1,635			
Avocado	*	*		*	*			
Bananas	*	*		*	*			
Guava	-	-		-	-			
Lemons	*	*		*	*			
Mangoes	*	*		*	*			
Oranges	11	10		4,520	10			
Papayas	-	-		-	-			
Pineapples	-	-		-	-			
Chat	29	*		3,022	*			
Coffee	129	78		16,955	78			
Hops / 'Geshe'	2,296	1,472		92,483	1,441			
Enset	*	-		-	-			
Sugar cane	*	*		*	*			
Other permanent	*	*		7,441	*			

(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>	80,612	31,517	33,450	221,905	190,319	382,680	429,127	549,309	539,279
<b>Cereals</b>	72,370	30,639	31,969	219,355	187,609	369,163	417,988	421,430	421,624
Teff	54,522	25,547	26,839	153,696	122,853	214,195	315,065	221,716	121,809
Barley	*	*	*	13,389	*	*	123,267	38,705	79,379
Wheat	10,839	3,023	2,777	103,582	42,870	106,072	219,589	78,643	189,165
Maize	13,725	1,489	1,677	86,085	19,653	45,561	296,596	36,615	18,369
Sorghum	*	*	*	-	-	-	73,201	41,874	11,881
Finger millet	*	*	*	*	*	*	*	*	*
Oats / 'Aja'	-	-	-	-	-	-	*	*	*
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	4,568	346	*	13,280	*	*	290,768	90,945	101,622
Horse / Faba beans	2,049	*	*	8,118	*	*	204,148	31,954	42,705
Field Peas	-	-	-	*	*	*	46,776	6,791	8,408
Haricot beans	*	*	*	*	*	*	32,310	*	*
Chick peas	*	*	*	-	-	-	74,549	20,874	18,018
Lentils	-	-	-	-	-	-	10,762	1,009	619
Vetch / Grass peas	-	-	-	*	*	*	85,273	18,505	21,237
Soya beans	-	-	-	-	-	-	*	*	*
Fenugreek	*	*	*	-	-	-	12,775	653	319
Gibto	-	-	-	*	*	*	17,391	*	*
<b>Oilseeds</b>	4,550	293	204	13,213	673	6,848	142,571	28,206	*
Neug	*	*	*	*	*	*	87,047	21,104	2,902
Linseed	-	-	-	-	-	-	20,254	2,039	1,142
Groundnuts	-	-	-	-	-	-	*	*	*
Safflower	*	*	*	-	-	-	*	*	*
Sesame	-	-	-	-	-	-	*	*	*
Rapeseed	*	*	*	12,685	666	6,782	53,362	2,633	*
<b>Vegetables</b>	*	*	*	*	*	*	137,034	2,156	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	-	-	-	-	-	-	8,074	55	-
Ethiopian cabbage	-	-	-	-	-	-	*	*	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	*	*	*	*	*	*	38,264	296	-
Red peppers	*	*	*	4,133	*	*	90,851	1,770	-
Swiss chard	-	-	-	-	-	-	*	*	-
<b>Root crops</b>	*	*	*	8,819	*	*	160,157	3,572	-
Beetroot	*	*	*	-	-	-	8,199	18	-
Carrot	*	*	*	-	-	-	*	*	-
Onion	-	-	-	*	*	*	30,490	552	-
Potatoes	*	*	*	*	*	*	58,869	2,451	-
Garlic	*	*	*	*	*	*	89,778	543	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	*	*	-
<b>Other Temporary</b>	*	*	*	*	*	*	68,012	238	-
<b>Permanent crops</b>							146,613	2,763	
Avocado							*	*	
Bananas							6,125	*	
Guava							-	-	
Lemons							*	*	
Mangoes							-	-	
Oranges							5,019	11	
Papayas							-	-	
Pineapples							-	-	
Chat							5,990	29	
Coffee							20,892	129	
Hops / 'Geshe'							139,186	2,285	
Enset							*	*	
Sugar cane							11,204	*	
Other permanent							9,898	*	

(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>	82,682	19,485	6,781	63,376	39,399	56,383	3,879	158,206	131,300
<b>Cereals</b>	82,682	19,463	6,781	59,945	39,078	14,668	2,048	156,275	122,402
Teff	*	*	-	44,455	22,297	*	*	89,779	68,504
Barley	-	-	-	*	*	*	*	11,665	2,276
Wheat	5,054	1,560	1,899	29,412	14,783	3,330	495	66,414	22,471
Maize	79,148	17,867	4,882	*	*	4,561	175	113,366	28,025
Sorghum	-	-	-	*	*	-	-	*	*
Finger millet	-	-	-	*	*	-	-	*	*
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	-	-	-	*	*	4,185	*	33,115	5,316
Horse / Faba beans	-	-	-	*	*	*	*	23,016	2,641
Field Peas	-	-	-	-	-	-	-	*	*
Haricot beans	-	-	-	*	*	*	*	*	*
Chick peas	-	-	-	-	-	*	*	*	929
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	4,645	1,036
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	*	*	-	-
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	*	*	*	*	25,421	2,912
Neug	-	-	-	-	-	*	*	*	*
Linseed	-	-	-	-	-	-	-	*	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	*	*	-	-	-	-
Rapeseed	-	-	-	*	*	-	-	17,711	*
<b>Vegetables</b>	*	*	-	*	*	12,453	181	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	-	-	*	*	*	*
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	-	-	-	-	-	*	*	*	*
Green peppers	*	*	-	-	-	5,428	*	*	*
Red peppers	-	-	-	*	*	*	139	7,489	*
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	*	*	-	*	*	12,098	217	*	*
Beetroot	*	*	-	-	-	1,982	*	-	-
Carrot	-	-	-	-	-	*	*	-	-
Onion	-	-	-	-	-	5,149	*	*	*
Potatoes	-	-	-	*	*	*	*	*	*
Garlic	-	-	-	*	*	*	*	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	*	*	-	-
<b>Other Temporary</b>	-	-	-	-	-	*	*	*	*
<b>Permanent crops</b>	-	-	-	-	-	27,911	651	9,718	*
Avocado	-	-	-	-	-	*	*	-	-
Bananas	-	-	-	-	-	5,631	*	*	*
Guava	-	-	-	-	-	-	-	-	-
Lemons	-	-	-	-	-	-	-	-	-
Mangoes	-	-	-	-	-	*	*	-	-
Oranges	-	-	-	-	-	*	*	-	-
Papayas	-	-	-	-	-	-	-	-	-
Pineapples	-	-	-	-	-	-	-	-	-
Chat	-	-	-	-	-	*	*	-	-
Coffee	*	*	-	-	-	6,622	57	*	*
Hops / 'Geshe'	-	-	-	-	-	21,309	390	8,154	*
Enset	-	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	9,207	*	*	*
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>	548,525	356,221	500,872	341,279	49,652	239,905	121,529	106,178
<b>Cereals</b>	408,309	310,329	382,891	223,331	35,915	220,461	106,062	88,206
Teff	142,452	93,531	86,058	10,422	1,795	125,888	44,393	31,988
Barley	23,627	*	1,395	26,977	*	10,922	1,947	1,336
Wheat	21,229	16,104	19,520	5,849	616	32,223	7,214	6,569
Maize	158,271	140,262	232,209	203,739	26,023	73,714	13,972	15,636
Sorghum	*	*	-	*	*	-	-	-
Finger millet	60,380	51,174	43,697	*	*	106,226	38,536	32,676
Oats / 'Aja'	*	*	*	*	*	-	-	-
Rice	-	-	-	-	-	-	-	-
<b>Pulses</b>	74,236	14,706	17,091	44,063	3,355	52,082	9,401	8,825
Horse / Faba beans	26,525	10,660	12,252	32,624	2,355	40,810	6,514	5,774
Field Peas	8,714	2,954	2,320	*	457	16,402	*	2,320
Haricot beans	3,392	*	*	-	-	*	*	*
Chick peas	10,949	*	*	*	*	*	*	*
Lentils	*	-	-	-	-	-	-	-
Vetch / Grass peas	16,233	*	*	*	*	*	*	*
Soya beans	*	*	-	*	*	-	-	-
Fenugreek	*	*	-	*	*	-	-	-
Gibto	7,283	184	*	*	*	*	*	*
<b>Oilseeds</b>	39,457	12,114	66,403	79,058	3,142	36,719	1,934	4,250
Neug	20,236	1,402	*	*	*	4,641	816	*
Linseed	1,646	*	*	-	-	*	*	*
Groundnuts	*	-	-	-	-	-	-	-
Safflower	*	*	*	*	*	*	*	*
Sesame	*	*	*	-	-	*	*	*
Rapeseed	10,905	9,799	60,751	78,593	2,654	28,924	793	3,054
<b>Vegetables</b>	11,428	10,054	19,684	176,907	2,520	20,385	*	1,681
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	*	*	*	*	*	-	-	-
Ethiopian cabbage	*	*	-	*	*	-	-	-
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	40	*	*	5,994	*	*	*	*
Red peppers	11,325	9,963	19,629	170,010	2,437	19,894	*	1,671
Swiss chard	-	-	-	-	-	-	-	-
<b>Root crops</b>	5,372	4,218	4,860	92,302	866	53,253	2,765	2,678
Beetroot	*	*	-	*	*	-	-	-
Carrot	*	*	-	*	*	-	-	-
Onion	*	*	*	17,787	*	*	*	*
Potatoes	4,304	3,419	3,400	17,200	312	47,730	2,746	2,592
Garlic	434	332	807	63,701	222	5,061	14	85
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	-	*	*	-	-	-
<b>Other Temporary</b>	3,467	818	*	68,566	354	*	*	*
<b>Permanent crops</b>	6,255	3,982		134,979	3,501			
Avocado	*	*		3,220	*			
Bananas	*	*		*	*			
Guava	*	*		7,630	*			
Lemons	*	*		9,724	*			
Mangoes	*	*		6,480	*			
Oranges	*	*		*	*			
Papayas	*	*		*	*			
Pineapples	-	-		-	-			
Chat	*	*		*	*			
Coffee	1,422	*		26,691	*			
Hops / 'Gescho'	2,632	1,714		105,190	1,305			
Enset	*	*		*	*			
Sugar cane	*	*		*	*			
Other permanent	150	58		20,112	51			

(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>	83,190	19,770	22,660	284,074	165,269	372,035	440,091	452,356	288,008
<b>Cereals</b>	61,105	17,403	15,979	279,407	150,949	278,706	414,065	313,424	213,640
Teff	15,675	5,711	*	90,115	41,632	49,272	283,000	141,837	72,331
Barley	*	*	*	*	*	*	89,400	23,601	50,950
Wheat	*	*	*	25,982	*	*	86,833	20,385	41,949
Maize	40,034	7,975	9,792	245,593	92,291	206,780	334,218	65,170	20,723
Sorghum	-	-	-	-	-	-	*	*	*
Finger millet	15,176	3,397	1,253	27,603	8,966	9,768	171,460	60,106	26,820
Oats / 'Aja'	*	*	*	-	-	-	*	*	*
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	5,098	306	*	20,259	1,644	7,392	265,995	73,946	62,695
Horse / Faba beans	5,098	306	*	15,320	1,485	5,604	162,091	26,519	24,302
Field Peas	-	-	-	-	-	-	59,435	8,630	10,843
Haricot beans	-	-	-	*	*	*	18,872	3,392	*
Chick peas	-	-	-	*	*	*	41,747	10,804	7,568
Lentils	-	-	-	-	-	-	*	*	*
Vetch / Grass peas	-	-	-	*	*	*	59,380	16,233	12,628
Soya beans	-	-	-	-	-	-	*	*	*
Fenugreek	-	-	-	-	-	-	12,979	*	*
Gibto	-	-	-	*	*	*	39,623	7,228	3,890
<b>Oilseeds</b>	9,725	412	*	84,784	6,626	60,771	241,527	38,834	11,673
Neug	*	*	-	*	*	*	76,471	20,199	3,925
Linseed	-	-	-	*	*	*	20,878	1,646	482
Groundnuts	-	-	-	-	-	-	*	*	*
Safflower	-	-	-	*	*	*	*	*	*
Sesame	-	-	-	*	*	*	*	*	*
Rapeseed	9,261	*	*	81,635	6,023	56,315	168,855	10,319	*
<b>Vegetables</b>	28,057	*	*	35,836	5,011	*	295,478	11,287	-
Lettuce	*	*	*	-	-	-	-	-	-
Head cabbage	*	*	*	-	-	-	*	*	-
Ethiopian cabbage	-	-	-	-	-	-	*	*	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	7,441	*	-
Red peppers	27,605	*	*	35,836	5,011	*	288,543	11,190	-
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	16,231	197	650	12,566	390	1,532	184,744	5,368	-
Beetroot	-	-	-	-	-	-	4,531	*	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	*	*	*	*	*	*	27,151	*	-
Potatoes	*	*	*	7,044	302	754	88,595	4,304	-
Garlic	12,463	74	444	3,648	*	*	103,797	429	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	*	*	-
<b>Other Temporary</b>	11,759	47	*	*	*	*	131,532	3,409	-
<b>Permanent crops</b>							216,312	6,087	
Avocado							3,220	*	
Bananas							17,616	*	
Guava							8,121	*	
Lemons							14,570	*	
Mangoes							*	*	
Oranges							*	*	
Papayas							*	*	
Pineapples							-	-	
Chat							*	*	
Coffee							38,230	1,309	
Hops / 'Geshe'							179,037	2,596	
Enset							*	*	
Sugar cane							18,093	*	
Other permanent							39,635	149	

(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>	239,502	95,346	25,165	53,458	29,773	82,924	8,641	306,594	233,567
<b>Cereals</b>	237,631	94,695	25,053	46,873	28,554	16,099	2,489	296,805	208,522
Teff	2,929	*	*	31,746	14,708	1,817	*	140,612	55,272
Barley	*	*	-	*	*	*	*	6,095	*
Wheat	3,167	844	*	*	*	-	-	25,937	4,815
Maize	235,826	93,061	23,209	*	*	8,674	*	271,370	107,257
Sorghum	-	-	-	*	*	-	-	*	*
Finger millet	*	*	-	16,996	*	*	*	112,950	40,124
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	*	*	*	*	*	5,614	1,223	51,174	9,499
Horse / Faba beans	*	*	-	*	*	*	*	35,887	5,444
Field Peas	*	*	*	-	-	*	*	16,756	2,862
Haricot beans	-	-	-	-	-	-	-	*	*
Chick peas	*	*	*	*	*	1,920	*	3,373	623
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	*	*	*	*	*	*
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	*	*	*	*
Gibto	*	*	-	-	-	-	-	*	*
<b>Oilseeds</b>	*	*	*	*	*	*	*	101,242	7,920
Neug	*	*	*	*	*	-	-	4,578	596
Linseed	-	-	-	-	-	-	-	*	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	*	*	*	*
Sesame	-	-	-	-	-	-	-	*	*
Rapeseed	*	*	-	-	-	*	*	98,043	6,583
<b>Vegetables</b>	*	*	-	*	*	14,502	*	49,188	4,201
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	*	*	*	*
Ethiopian cabbage	-	-	-	-	-	*	*	-	-
Tomatoes	-	-	-	-	-	-	-	*	*
Green peppers	-	-	-	-	-	*	*	*	*
Red peppers	*	*	-	*	*	13,599	*	48,237	4,189
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	-	-	-	*	*	29,221	1,499	47,969	1,472
Beetroot	-	-	-	-	-	*	*	*	*
Carrot	-	-	-	-	-	*	*	-	-
Onion	-	-	-	-	-	*	*	*	*
Potatoes	-	-	-	*	*	19,167	1,151	27,748	1,179
Garlic	-	-	-	-	-	*	*	16,111	*
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	*	*	*	*
<b>Other Temporary</b>	-	-	-	*	*	3,153	*	19,937	*
<b>Permanent crops</b>				*	*	52,039	2,817	32,038	1,651
Avocado				-	-	*	*	*	*
Bananas				*	*	*	*	*	*
Guava				-	-	*	*	3,275	*
Lemons				-	-	*	*	*	*
Mangoes				-	-	*	*	*	*
Oranges				-	-	*	*	-	-
Papayas				-	-	*	*	*	*
Pineapples				-	-	-	-	-	-
Chat				-	-	*	*	*	*
Coffee	*	*	-	-	-	*	*	*	*
Hops / 'Geshe'				-	-	28,187	336	16,839	392
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>	100,111	11,601	*	59,252	11,364	-	-	-
<b>Cereals</b>	71,992	9,668	*	50,432	9,439	-	-	-
Teff	22,220	1,596	*	6,417	1,367	-	-	-
Barley	20,050	1,875	-	9,279	1,875	-	-	-
Wheat	8,805	*	-	2,788	*	-	-	-
Maize	1,720	1,152	-	33,817	1,152	-	-	-
Sorghum	18,967	*	-	11,499	*	-	-	-
Finger millet	*	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
<b>Pulses</b>	23,752	1,502	-	13,381	1,502	-	-	-
Horse / Faba beans	13,162	1,108	-	9,408	1,108	-	-	-
Field Peas	3,221	*	-	1,036	*	-	-	-
Haricot beans	2,158	*	-	870	*	-	-	-
Chick peas	1,275	-	-	-	-	-	-	-
Lentils	3,795	*	-	793	*	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	89	*	-	*	*	-	-	-
Gibto	*	-	-	-	-	-	-	-
<b>Oilseeds</b>	4,094	329	*	6,312	320	-	-	-
Neug	199	-	-	-	-	-	-	-
Linseed	1,213	*	-	2,045	*	-	-	-
Groundnuts	*	*	-	*	*	-	-	-
Safflower	*	*	*	*	*	-	-	-
Sesame	*	*	-	*	*	-	-	-
Rapeseed	*	*	-	*	*	-	-	-
<b>Vegetables</b>	19	*	-	*	*	-	-	-
Lettuce	*	-	-	-	-	-	-	-
Head cabbage	*	*	-	*	*	-	-	-
Ethiopian cabbage	*	*	-	*	*	-	-	-
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	*	*	-	*	*	-	-	-
Red peppers	*	-	-	-	-	-	-	-
Swiss chard	*	-	-	-	-	-	-	-
<b>Root crops</b>	91	57	-	8,376	57	-	-	-
Beetroot	*	-	-	-	-	-	-	-
Carrot	*	-	-	-	-	-	-	-
Onion	*	*	-	1,039	*	-	-	-
Potatoes	*	*	-	*	*	-	-	-
Garlic	45	27	-	6,181	27	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-
<b>Other Temporary</b>	46	18	-	6,498	18	-	-	-
<b>Permanent crops</b>	*	*	-	*	*	-	-	-
Avocado	-	-	-	-	-	-	-	-
Bananas	*	*	-	*	*	-	-	-
Guava	*	*	-	*	*	-	-	-
Lemons	*	*	-	*	*	-	-	-
Mangoes	*	-	-	-	-	-	-	-
Oranges	*	*	-	*	*	-	-	-
Papayas	*	*	-	*	*	-	-	-
Pineapples	-	-	-	-	-	-	-	-
Chat	-	-	-	-	-	-	-	-
Coffee	*	-	-	-	-	-	-	-
Hops / 'Gescho'	*	*	-	*	*	-	-	-
Enset	-	-	-	-	-	-	-	-
Sugar cane	*	-	-	-	-	-	-	-
Other permanent	*	*	-	*	*	-	-	-

(Table 1.3.8 cont'd.)

**Waghamera**

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
<b>All</b>	-	-	-	*	*	*	94,451	99,948	120,910
<b>Cereals</b>	-	-	-	*	*	*	91,821	71,833	78,362
Teff	-	-	-	*	*	*	64,856	22,060	9,531
Barley	-	-	-	-	-	-	65,413	20,050	46,349
Wheat	-	-	-	-	-	-	41,459	8,805	16,517
Maize	-	-	-	-	-	-	47,017	1,720	1,453
Sorghum	-	-	-	-	-	-	34,828	18,967	4,356
Finger millet	-	-	-	-	-	-	*	*	*
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	-	-	-	-	-	-	76,683	23,752	41,528
Horse / Faba beans	-	-	-	-	-	-	59,278	13,162	27,680
Field Peas	-	-	-	-	-	-	18,576	3,221	6,482
Haricot beans	-	-	-	-	-	-	16,842	2,158	1,047
Chick peas	-	-	-	-	-	-	7,047	1,275	1,356
Lentils	-	-	-	-	-	-	23,392	3,795	4,913
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	7,441	89	39
Gibto	-	-	-	-	-	-	*	*	*
<b>Oilseeds</b>	-	-	-	*	*	*	35,832	4,094	1,020
Neug	-	-	-	-	-	-	4,221	199	63
Linseed	-	-	-	-	-	-	22,389	1,213	487
Groundnuts	-	-	-	-	-	-	*	*	*
Safflower	-	-	-	*	*	*	7,088	*	76
Sesame	-	-	-	-	-	-	*	*	*
Rapeseed	-	-	-	-	-	-	*	*	*
<b>Vegetables</b>	-	-	-	-	-	-	3,736	18	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	-	-	-	-	-	-	*	*	-
Ethiopian cabbage	-	-	-	-	-	-	*	*	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	*	*	-
Red peppers	-	-	-	-	-	-	*	*	-
Swiss chard	-	-	-	-	-	-	*	*	-
<b>Root crops</b>	-	-	-	-	-	-	13,956	91	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	-	-	-	-	-	-	2,076	*	-
Potatoes	-	-	-	-	-	-	*	*	-
Garlic	-	-	-	-	-	-	10,925	45	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
<b>Other Temporary</b>	-	-	-	-	-	-	9,563	46	-
<b>Permanent crops</b>							4,131	*	
Avocado							-	-	
Bananas							*	*	
Guava							*	*	
Lemons							*	*	
Mangoes							*	*	
Oranges							*	*	
Papayas							*	*	
Pineapples							-	-	
Chat							-	-	
Coffee							*	*	
Hops / 'Geshe'							*	*	
Enset							-	-	
Sugar cane							*	*	
Other permanent							*	*	



(Table 1.3.8 Cont'd.)

**Waghamera**

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
<b>All</b>	*	*	*	1,026	*	7,213	*	1,204	*
<b>Cereals</b>	*	*	*	*	*	*	*	1,007	*
Teff	*	*	*	*	*	*	*	812	*
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	-	-	-	-	-	*	*	-	-

Table1.3.9 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>	253,717	153,000	140,438	125,147	37,692	90,076	69,733	54,801
<b>Cereals</b>	194,343	138,393	119,997	97,959	31,310	83,148	64,384	48,152
Teff	59,111	40,928	23,361	25,267	7,724	53,405	26,614	18,201
Barley	15,065	8,134	1,233	30,855	6,522	*	*	*
Wheat	9,117	6,272	5,978	7,241	1,213	*	*	*
Maize	53,005	46,305	64,769	81,944	13,717	20,126	4,068	5,827
Sorghum	9,125	*	*	*	*	*	*	*
Finger millet	48,499	36,246	24,295	*	1,801	47,500	31,917	22,749
Oats / 'Aja'	*	*	-	*	*	-	-	-
Rice	-	-	-	-	-	-	-	-
<b>Pulses</b>	16,288	3,966	2,509	19,990	1,641	11,748	1,970	1,922
Horse / Faba beans	4,305	2,171	*	6,607	*	6,378	906	*
Field Peas	*	*	*	4,946	202	*	*	*
Haricot beans	*	*	-	*	*	-	-	-
Chick peas	*	*	-	*	*	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch / Grass peas	*	-	-	-	-	-	-	-
Soya beans	*	*	*	*	*	*	*	*
Fenugreek	*	*	*	*	*	*	*	*
Gibto	6,430	355	103	3,480	*	1,164	*	*
<b>Oilseeds</b>	34,194	3,830	12,010	19,411	1,631	8,123	846	1,220
Neug	22,674	*	*	4,344	*	*	*	*
Linseed	492	233	*	*	*	*	*	*
Groundnuts	*	-	-	-	-	-	-	-
Safflower	*	*	*	-	-	-	-	-
Sesame	7,221	-	-	-	-	-	-	-
Rapeseed	2,408	2,036	11,719	15,357	371	6,677	380	1,121
<b>Vegetables</b>	2,786	2,188	*	43,783	667	*	*	*
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	*	*	-	-	-
Ethiopian cabbage	46	34	*	8,975	31	*	*	*
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	*	*	*	*	*	-	-	-
Red peppers	2,734	2,150	*	35,968	631	*	*	*
Swiss chard	*	*	-	*	*	-	-	-
<b>Root crops</b>	4,969	4,098	2,492	49,330	2,049	17,162	1,698	2,020
Beetroot	*	*	-	*	*	-	-	-
Carrot	*	*	-	*	*	-	-	-
Onion	*	*	*	7,023	*	*	*	*
Potatoes	3,903	3,362	2,367	28,710	1,379	16,293	1,660	1,970
Garlic	103	95	*	22,877	91	*	*	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	*	*	*	-	-	-
<b>Other Temporary</b>	299	235	*	22,902	117	*	*	*
<b>Permanent crops</b>	838	291		41,696	278			
Avocado	*	*		*	*			
Bananas	*	*		*	*			
Guava	*	*		*	*			
Lemons	*	*		2,712	*			
Mangoes	*	*		*	*			
Oranges	*	*		*	*			
Papayas	*	*		*	*			
Pineapples	-	-		-	-			
Chat	*	*		*	*			
Coffee	91	22		4,942	22			
Hops / 'Geshe'	427	151		34,169	139			
Enset	-	-		-	-			
Sugar cane	113	*		*	*			
Other permanent	58	26		13,321	26			

(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>	12,585	3,171	1,598	78,956	42,404	84,038	180,021	219,439	153,979
<b>Cereals</b>	9,355	2,941	*	74,530	39,758	70,441	169,946	160,543	132,617
Teff	7,831	*	*	9,750	4,498	4,107	102,032	56,169	39,223
Barley	*	*	*	4,091	*	*	53,332	15,031	32,732
Wheat	*	*	*	14,196	3,590	4,952	32,731	8,840	21,113
Maize	-	-	-	66,014	28,521	58,942	126,649	22,661	6,101
Sorghum	*	*	*	*	*	*	19,139	9,125	2,983
Finger millet	*	*	*	6,107	2,323	1,530	74,368	48,296	29,537
Oats / 'Aja'	-	-	-	-	-	-	*	*	*
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	*	*	*	2,894	*	*	68,349	16,063	12,759
Horse / Faba beans	*	*	*	*	*	*	23,911	4,305	4,481
Field Peas	-	-	-	*	*	*	12,017	*	*
Haricot beans	-	-	-	-	-	-	*	*	*
Chick peas	-	-	-	-	-	-	*	*	*
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	*	*	*
Soya beans	-	-	-	-	-	-	*	*	*
Fenugreek	-	-	-	-	-	-	*	*	*
Gibto	-	-	-	*	*	*	25,536	6,366	2,558
<b>Oilseeds</b>	*	*	*	18,529	1,349	10,789	88,870	34,031	8,603
Neug	-	-	-	-	-	-	44,531	22,573	5,261
Linseed	-	-	-	*	*	*	5,801	436	212
Groundnuts	-	-	-	-	-	-	*	*	*
Safflower	-	-	-	*	*	*	*	*	*
Sesame	-	-	-	-	-	-	15,929	7,221	1,157
Rapeseed	*	*	*	17,949	1,281	10,597	37,660	2,404	278
<b>Vegetables</b>	2,941	*	*	9,081	662	*	81,900	2,782	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	*	*	-
Ethiopian cabbage	*	*	*	-	-	-	13,122	46	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	*	*	*	-	-	-	*	*	-
Red peppers	2,652	*	*	9,081	662	*	72,608	2,731	-
Swiss chard	-	-	-	-	-	-	*	*	-
<b>Root crops</b>	*	*	*	3,493	*	*	85,837	4,969	-
Beetroot	-	-	-	-	-	-	*	*	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	-	-	-	*	*	*	10,258	*	-
Potatoes	*	*	*	2,624	*	*	57,104	3,903	-
Garlic	*	*	*	*	*	*	27,512	103	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	*	-	-	-	11,401	*	-
<b>Other Temporary</b>	-	-	-	*	*	*	38,099	297	-
<b>Permanent crops</b>							73,790	753	
Avocado							*	*	
Bananas							6,390	*	
Guava							*	*	
Lemons							3,494	*	
Mangoes							*	*	
Oranges							2,163	*	
Papayas							*	*	
Pineapples							-	-	
Chat							*	*	
Coffee							10,842	76	
Hops / 'Geshe'							58,766	409	
Enset							-	-	
Sugar cane							7,580	*	
Other permanent							23,259	57	

(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>	72,516	34,087	7,141	29,017	24,406	35,059	9,882	88,059	62,141
<b>Cereals</b>	70,658	33,732	7,013	26,292	24,130	21,126	8,585	84,844	58,751
Teff	*	*	*	14,304	10,864	*	*	19,124	12,642
Barley	-	-	-	*	*	15,029	*	*	*
Wheat	1,158	*	*	*	*	*	*	6,379	1,300
Maize	67,724	30,344	5,669	2,422	*	10,256	1,436	62,473	26,807
Sorghum	-	-	-	-	-	*	*	*	*
Finger millet	*	*	*	18,070	10,880	*	*	16,785	16,095
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>	*	*	*	*	*	*	*	15,629	1,440
Neug	*	*	*	-	-	-	-	*	*
Linseed	*	*	*	*	*	-	-	*	*
Groundnuts	-	-	-	*	*	-	-	-	-
Safflower	-	-	-	-	-	-	-	*	*
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	*	*	14,469	1,058
<b>Vegetables</b>	*	*	-	*	*	9,174	58	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	*	*	*	*
Ethiopian cabbage	-	-	-	-	-	4,144	*	*	*
Tomatoes	-	-	-	-	-	*	*	-	-
Green peppers	-	-	-	-	-	-	-	-	-
Red peppers	*	*	*	*	*	*	*	*	*
Swiss chard	-	-	-	-	-	*	*	-	-
<b>Root crops</b>	-	-	-	1,158	*	14,377	1,017	*	*
Beetroot	-	-	-	-	-	*	*	-	-
Carrot	-	-	-	-	-	*	*	-	-
Onion	-	-	-	-	-	*	*	*	*
Potatoes	-	-	-	*	*	10,275	576	6,106	*
Garlic	-	-	-	*	*	*	*	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	*	*
<b>Other Temporary</b>	-	-	-	-	-	*	*	*	*
<b>Permanent crops</b>				*	*	17,587	189	*	*
Avocado				-	-	*	*	-	-
Bananas				-	-	*	*	-	-
Guava				-	-	*	*	-	-
Lemons				-	-	*	*	-	-
Mangoes				-	-	-	-	-	-
Oranges				-	-	*	*	-	-
Papayas				-	-	-	-	-	-
Pineapples				-	-	-	-	-	-
Chat				-	-	*	*	-	-
Coffee	*	*	-	-	-	4,942	30	*	*
Hops / 'Geshe'				*	*	14,368	71	*	*
Enset				-	-	-	-	-	-
Sugar cane				-	-	4,377	*	*	*
Other permanent				-	-	4,435	*	*	*

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>	57,425	18,027	*	69,931	17,826	-	-	-
<b>Cereals</b>	47,356	14,116	*	62,568	14,049	-	-	-
Teff	11,844	1,795	*	9,940	1,728	-	-	-
Barley	688	*	-	1,876	*	-	-	-
Wheat	215	*	-	*	*	-	-	-
Maize	5,845	2,638	-	40,610	2,638	-	-	-
Sorghum	28,289	9,270	-	36,532	9,270	-	-	-
Finger millet	*	*	-	*	*	-	-	-
Oats / 'Aja'	*	*	-	*	*	-	-	-
Rice	-	-	-	-	-	-	-	-
<b>Pulses</b>	4,969	1,208	-	17,315	1,208	-	-	-
Horse / Faba beans	*	*	-	*	*	-	-	-
Field Peas	*	*	-	*	*	-	-	-
Haricot beans	2,636	389	-	10,424	389	-	-	-
Chick peas	557	*	-	*	*	-	-	-
Lentils	252	*	-	*	*	-	-	-
Vetch / Grass peas	318	*	-	*	*	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	*	*	-	*	*	-	-	-
Gibto	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	1,445	553	*	13,854	551	-	-	-
Neug	*	*	-	*	*	-	-	-
Linseed	97	*	-	1,849	*	-	-	-
Groundnuts	*	*	-	*	*	-	-	-
Safflower	347	103	*	6,033	102	-	-	-
Sesame	729	351	-	6,362	351	-	-	-
Rapeseed	*	*	-	*	*	-	-	-
<b>Vegetables</b>	512	383	*	15,137	376	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-
Ethiopian cabbage	*	*	-	*	*	-	-	-
Tomatoes	*	*	-	756	*	-	-	-
Green peppers	120	*	-	2,585	*	-	-	-
Red peppers	371	296	*	12,167	288	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
<b>Root crops</b>	269	*	*	*	101	-	-	-
Beetroot	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	*	*	*	*	*	-	-	-
Potatoes	-	-	-	-	-	-	-	-
Garlic	*	*	-	*	*	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-
<b>Other Temporary</b>	870	*	-	21,476	*	-	-	-
<b>Permanent crops</b>	2,004	906	-	19,250	906	-	-	-
Avocado	*	*	-	*	*	-	-	-
Bananas	*	1	-	1,110	1	-	-	-
Guava	*	*	-	*	*	-	-	-
Lemons	4	*	-	*	*	-	-	-
Mangoes	12	*	-	1,498	*	-	-	-
Oranges	18	4	-	1,889	4	-	-	-
Papayas	25	10	-	4,312	10	-	-	-
Pineapples	-	-	-	-	-	-	-	-
Chat	1,408	682	-	12,171	682	-	-	-
Coffee	466	187	-	5,583	187	-	-	-
Hops / 'Geshe'	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-
Sugar cane	*	*	-	*	*	-	-	-
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>	*	*	*	*	*	*	97,891	56,279	16,248
<b>Cereals</b>	*	*	*	-	-	-	95,078	46,331	13,383
Teff	*	*	*	-	-	-	39,083	11,321	3,388
Barley	-	-	-	-	-	-	7,732	688	575
Wheat	-	-	-	-	-	-	*	*	*
Maize	-	-	-	-	-	-	58,880	5,385	3,029
Sorghum	-	-	-	-	-	-	75,009	28,267	5,737
Finger millet	-	-	-	-	-	-	3,336	*	*
Oats / 'Aja'	-	-	-	-	-	-	*	*	*
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	-	-	-	-	-	-	35,967	4,930	2,075
Horse / Faba beans	-	-	-	-	-	-	4,533	*	*
Field Peas	-	-	-	-	-	-	7,257	*	536
Haricot beans	-	-	-	-	-	-	24,151	2,614	670
Chick peas	-	-	-	-	-	-	5,167	557	211
Lentils	-	-	-	-	-	-	4,834	252	*
Vetch / Grass peas	-	-	-	-	-	-	2,375	318	129
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	*	*	*
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	*	*	*	-	-	-	26,547	1,398	*
Neug	-	-	-	-	-	-	1,853	*	24
Linseed	-	-	-	-	-	-	4,528	85	*
Groundnuts	-	-	-	-	-	-	*	*	*
Safflower	*	*	*	-	-	-	12,637	326	25
Sesame	-	-	-	-	-	-	10,344	729	73
Rapeseed	-	-	-	-	-	-	2,178	*	*
<b>Vegetables</b>	*	*	*	-	-	-	22,294	506	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	*	*	-
Tomatoes	-	-	-	-	-	-	1,876	*	-
Green peppers	-	-	-	-	-	-	5,601	*	-
Red peppers	*	*	*	-	-	-	15,571	371	-
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	*	*	*	*	*	*	6,972	269	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	*	*	*	*	*	*	2,841	*	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	*	*	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
<b>Other Temporary</b>	-	-	-	-	-	-	26,882	849	-
<b>Permanent crops</b>							32,900	1,996	
Avocado							*	*	
Bananas							3,567	*	
Guava							4,466	*	
Lemons							2,633	4	
Mangoes							3,768	11	
Oranges							3,194	18	
Papayas							7,516	24	
Pineapples							-	-	
Chat							23,150	1,405	
Coffee							10,961	464	
Hops / 'Geshe'							-	-	
Enset							-	-	
Sugar cane							*	*	
Other permanent							1,124	*	

(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>	6,745	*	*	14,051	4,133	9,979	1,245	9,074	1,740
<b>Cereals</b>	*	*	*	*	*	3,765	481	6,846	1,288
Teff	*	*	*	*	*	756	*	*	*
Barley	-	-	-	-	-	-	-	-	-
Wheat	*	*	*	-	-	-	-	*	*
Maize	*	*	*	*	*	*	*	*	*
Sorghum	-	-	-	*	*	*	*	4,430	*
Finger millet	-	-	-	*	*	-	-	*	*
Oats / 'Aja'	-	-	-	-	-	-	-	*	*
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	*	*	*	*	*	*	*	1,292	77
Horse / Faba beans	*	*	*	-	-	-	-	*	*
Field Peas	-	-	-	*	*	*	*	*	*
Haricot beans	*	*	-	*	*	-	-	738	*
Chick peas	-	-	-	*	*	-	-	*	*
Lentils	-	-	-	*	*	-	-	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	*	*	*	*	738	*
Neug	-	-	-	*	*	-	-	-	-
Linseed	-	-	-	*	*	-	-	*	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	*	*	*	*
Sesame	-	-	-	*	*	-	-	*	*
Rapeseed	-	-	-	-	-	-	-	-	-
<b>Vegetables</b>	-	-	-	*	*	2,272	*	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	-	-	-	-	-	*	*	-	-
Green peppers	-	-	-	-	-	*	*	*	*
Red peppers	-	-	-	*	*	1,671	*	*	*
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	-	-	-	*	*	*	*	*	*
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	*	*	*	*	*	*
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
<b>Other Temporary</b>	*	*	-	*	*	*	*	*	*
<b>Permanent crops</b>				2,779	*	5,638	374	2,042	*
Avocado				-	-	*	*	-	-
Bananas				-	-	1,142	*	-	-
Guava				*	*	*	*	-	-
Lemons				*	*	*	*	-	-
Mangoes				*	*	*	*	-	-
Oranges				-	-	*	*	*	*
Papayas				*	*	*	*	*	*
Pineapples				-	-	-	-	-	-
Chat				*	*	4,126	287	1,673	45
Coffee	*	*	-	*	*	*	*	*	*
Hops / 'Gescho'				-	-	-	-	-	-
Enset				-	-	-	-	-	-
Sugar cane				-	-	*	*	-	-
Other permanent				-	-	-	-	-	-

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

## Argoba Special Woreda

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
<b>All</b>	4,538	1,479	-	4,333	1,479	-	-	-
<b>Cereals</b>	3,945	1,313	-	4,061	1,313	-	-	-
Teff	726	185	-	1,060	185	-	-	-
Barley	94	59	-	584	59	-	-	-
Wheat	30	*	-	135	*	-	-	-
Maize	367	155	-	2,580	155	-	-	-
Sorghum	2,664	852	-	3,065	852	-	-	-
Finger millet	12	10	-	224	10	-	-	-
Oats / 'Aja'	51	34	-	299	34	-	-	-
Rice	*	*	-	*	*	-	-	-
<b>Pulses</b>	341	98	-	1,349	98	-	-	-
Horse / Faba beans	*	*	-	*	*	-	-	-
Field Peas	40	21	-	206	21	-	-	-
Haricot beans	253	61	-	990	61	-	-	-
Chick peas	*	*	-	*	*	-	-	-
Lentils	27	9	-	102	9	-	-	-
Vetch / Grass peas	*	-	-	-	-	-	-	-
Soya beans	*	*	-	*	*	-	-	-
Fenugreek	1	*	-	*	*	-	-	-
Gibto	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	159	29	-	891	29	-	-	-
Neug	12	*	-	101	*	-	-	-
Linseed	11	*	-	194	*	-	-	-
Groundnuts	*	*	-	*	*	-	-	-
Safflower	36	11	-	492	11	-	-	-
Sesame	100	*	-	102	*	-	-	-
Rapeseed	*	*	-	*	*	-	-	-
<b>Vegetables</b>	20	14	-	787	14	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-
Ethiopian cabbage	*	*	-	*	*	-	-	-
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	*	*	-	*	*	-	-	-
Red peppers	20	14	-	754	14	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
<b>Root crops</b>	*	*	-	101	*	-	-	-
Beetroot	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	-	-
Potatoes	*	*	-	*	*	-	-	-
Garlic	*	*	-	*	*	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	-	*	*	-	-	-
<b>Other Temporary</b>	52	10	-	578	10	-	-	-
<b>Permanent crops</b>	20	14	-	762	14	-	-	-
Avocado	*	*	-	*	*	-	-	-
Bananas	3	*	-	67	*	-	-	-
Guava	*	*	-	217	*	-	-	-
Lemons	*	*	-	103	*	-	-	-
Mangoes	*	*	-	*	*	-	-	-
Oranges	*	*	-	*	*	-	-	-
Papayas	3	2	-	407	2	-	-	-
Pineapples	-	-	-	-	-	-	-	-
Chat	1	*	-	86	*	-	-	-
Coffee	7	4	-	285	4	-	-	-
Hops / 'Geshe'	*	*	-	*	*	-	-	-
Enset	-	-	-	-	-	-	-	-
Sugar cane	*	-	-	-	-	-	-	-
Other permanent	*	*	-	133	*	-	-	-



(Table1.3.11 Cont'd)

**Argoba Special Woreda**

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
<b>All</b>	-	-	-	-	-	-	6,640	4,524	1,497
<b>Cereals</b>	-	-	-	-	-	-	6,623	3,938	1,333
Teff	-	-	-	-	-	-	2,885	726	205
Barley	-	-	-	-	-	-	826	94	135
Wheat	-	-	-	-	-	-	253	30	28
Maize	-	-	-	-	-	-	4,055	364	228
Sorghum	-	-	-	-	-	-	5,665	2,662	638
Finger millet	-	-	-	-	-	-	289	12	4
Oats / 'Aja'	-	-	-	-	-	-	450	50	96
Rice	-	-	-	-	-	-	*	*	-
<b>Pulses</b>	-	-	-	-	-	-	2,943	338	146
Horse / Faba beans	-	-	-	-	-	-	*	*	*
Field Peas	-	-	-	-	-	-	395	40	43
Haricot beans	-	-	-	-	-	-	2,346	251	64
Chick peas	-	-	-	-	-	-	101	*	7
Lentils	-	-	-	-	-	-	358	27	22
Vetch / Grass peas	-	-	-	-	-	-	*	*	*
Soya beans	-	-	-	-	-	-	*	*	*
Fenugreek	-	-	-	-	-	-	132	1	*
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	-	-	-	1,916	154	18
Neug	-	-	-	-	-	-	221	12	1
Linseed	-	-	-	-	-	-	331	7	3
Groundnuts	-	-	-	-	-	-	*	*	*
Safflower	-	-	-	-	-	-	927	35	6
Sesame	-	-	-	-	-	-	703	99	7
Rapeseed	-	-	-	-	-	-	*	*	*
<b>Vegetables</b>	-	-	-	-	-	-	1,122	20	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	*	*	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	*	*	-
Red peppers	-	-	-	-	-	-	1,054	20	-
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	-	-	-	-	-	-	118	*	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	*	*	-
Garlic	-	-	-	-	-	-	*	*	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	*	*	-
<b>Other Temporary</b>	-	-	-	-	-	-	1,013	52	-
<b>Permanent crops</b>							1,236	19	
Avocado							*	*	
Bananas							118	3	
Guava							266	*	
Lemons							155	*	
Mangoes							85	*	
Oranges							*	*	
Papayas							628	3	
Pineapples							-	-	
Chat							119	*	
Coffee							486	7	
Hops / 'Geshe'							*	*	
Enset							-	-	
Sugar cane							*	*	
Other permanent							167	*	

(Table1.3.11 Cont'd)

**Argoba Special Woreda**

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
<b>All</b>	*	*	*	609	207	450	19	*	*
<b>Cereals</b>	-	-	-	525	200	*	*	*	*
Teff	-	-	-	-	-	-	-	-	-
Barley	-	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-	-
Maize	-	-	-	*	*	*	*	*	*
Sorghum	-	-	-	509	192	*	*	-	-
Finger millet	-	-	-	*	*	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	*	*	*	98	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>	-	-	-	*	*	350	5	-	-
Avocado	-	-	-	-	-	*	*	-	-
Bananas	-	-	-	-	-	*	*	-	-
Guava	-	-	-	*	*	82	*	-	-
Lemons	-	-	-	-	-	*	*	-	-
Mangoes	-	-	-	-	-	*	*	-	-
Oranges	-	-	-	-	-	-	-	-	-
Papayas	-	-	-	*	*	*	*	-	-
Pineapples	-	-	-	-	-	-	-	-	-
Chat	-	-	-	-	-	*	*	-	-
Coffee	-	-	-	*	*	230	3	-	-
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>	5,639,452	2,667,443	2,186,399	3,150,280	722,547	1,408,416	1,050,117	845,634
<b>Cereals</b>	4,051,536	2,246,608	1,979,907	1,958,356	451,330	1,342,427	951,739	745,794
Teff	1,082,817	720,239	639,966	210,292	42,092	598,829	317,103	213,442
Barley	466,223	265,318	211,661	284,740	30,611	403,255	187,994	160,998
Wheat	768,544	591,947	700,977	160,087	25,043	565,689	316,846	270,223
Maize	968,922	481,576	381,116	1,522,582	221,408	348,535	94,782	82,026
Sorghum	649,671	151,075	29,650	538,470	126,810	34,246	5,313	4,160
Finger millet	91,749	26,968	11,362	32,841	4,720	59,645	21,856	10,973
Oats / 'Aja'	21,383	9,253	5,017	13,151	643	41,350	7,618	3,815
Rice	*	*	*	*	*	2,101	*	*
<b>Pulses</b>	564,533	136,387	73,886	683,271	52,965	260,428	66,466	53,661
Horse / Faba beans	196,862	61,946	28,748	290,111	24,647	160,575	33,050	23,899
Field Peas	80,861	30,795	23,753	60,703	5,640	79,535	20,531	18,068
Haricot beans	116,708	27,796	14,093	300,372	16,897	39,753	7,285	8,178
Chick peas	66,797	2,610	704	25,086	1,998	*	*	*
Lentils	34,624	6,783	4,364	13,833	584	37,648	3,873	2,605
Vetch / Grass peas	51,615	2,854	599	15,476	1,376	*	*	*
Soya beans	3,372	346	*	4,915	*	*	*	*
Fenugreek	13,573	3,137	1,181	87,876	1,710	8,042	505	180
Gibto	*	*	*	*	*	*	*	*
<b>Oilseeds</b>	335,869	43,193	25,393	222,023	21,794	51,743	11,600	6,532
Neug	142,847	6,680	1,162	17,180	2,721	6,096	3,473	*
Linseed	105,812	8,293	3,077	39,578	1,358	18,538	4,645	1,676
Groundnuts	27,990	*	*	58,277	*	2,304	*	*
Safflower	1,225	*	*	*	*	-	-	-
Sesame	47,711	6,162	685	20,561	*	*	*	*
Rapeseed	10,285	7,522	11,955	99,791	2,517	25,252	3,135	3,570
<b>Vegetables</b>	43,338	21,964	22,574	1,243,149	13,477	52,752	3,012	9,337
Lettuce	*	*	*	8,627	22	*	*	*
Head cabbage	1,325	945	*	88,030	447	*	*	*
Ethiopian cabbage	10,700	6,787	1,546	805,890	6,392	10,751	199	581
Tomatoes	3,380	*	*	19,691	220	*	*	*
Green peppers	4,647	2,241	585	379,111	1,868	5,571	*	*
Red peppers	22,951	9,817	13,196	249,947	4,503	28,232	2,277	6,205
Swiss chard	46	27	-	13,204	24	-	-	-
<b>Root crops</b>	79,890	41,233	37,056	996,780	22,813	102,020	11,973	17,864
Beetroot	1,523	900	*	103,648	520	*	*	*
Carrot	*	*	*	33,537	*	4,300	*	*
Onion	11,203	7,398	11,924	175,983	2,790	*	*	*
Potatoes	19,840	14,059	18,523	131,458	3,256	57,561	8,959	13,206
Garlic	3,568	2,539	1,054	319,612	2,096	16,076	320	*
Taro 'Godere'	10,118	4,994	*	203,285	4,826	*	*	*
Sweet potatoes	30,301	9,881	3,690	275,026	8,312	8,717	379	494
<b>Other Temporary</b>	24,120	8,705	3,343	633,466	7,660	14,245	443	962
<b>Permanent crops</b>	540,165	169,354		1,837,239	152,507			
Avocado	1,759	578		57,218	574			
Bananas	14,835	4,709		338,413	4,583			
Guava	1,252	296		69,668	293			
Lemons	141	54		15,708	54			
Mangoes	3,501	762		91,353	621			
Oranges	1,907	514		59,768	347			
Papayas	2,188	1,098		144,263	1,069			
Pineapples	*	*		2,181	*			
Chat	115,644	53,657		662,186	40,374			
Coffee	281,536	36,308		515,512	34,037			
Hops / 'Geshe'	7,379	3,727		303,103	3,575			
Enset	97,709	62,633		914,116	62,505			
Sugar cane	9,356	3,298		165,309	3,091			
Other permanent	2,948	1,719		149,001	1,382			

(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>	215,491	95,915	107,009	1,009,612	798,865	1,233,756	5,383,690	5,437,474	4,619,092
<b>Cereals</b>	182,726	72,507	66,948	981,962	771,031	1,167,165	4,997,664	3,869,870	3,770,207
Teff	45,147	15,982	8,485	509,926	345,062	418,039	2,159,108	1,079,066	659,293
Barley	27,423	*	*	127,868	29,890	37,174	1,409,542	460,601	903,270
Wheat	37,392	10,391	6,808	480,119	239,668	423,946	1,691,567	747,552	1,562,776
Maize	78,591	14,085	20,767	357,470	151,301	278,323	3,336,146	820,718	389,955
Sorghum	41,900	14,926	17,090	23,454	4,027	8,400	2,065,378	646,796	178,829
Finger millet	*	*	*	*	*	*	409,548	91,571	35,548
Oats / 'Aja'	*	*	*	6,255	772	990	150,233	21,383	38,332
Rice	-	-	-	-	-	-	14,988	*	*
<b>Pulses</b>	29,427	4,915	6,340	71,875	12,042	13,885	2,534,964	559,600	708,063
Horse / Faba beans	5,538	726	599	24,969	3,523	4,249	1,222,983	196,045	315,677
Field Peas	3,607	821	1,242	17,519	3,803	4,444	440,322	80,591	120,143
Haricot beans	10,200	*	3,558	10,330	990	2,357	1,016,830	113,822	92,098
Chick peas	*	*	*	*	*	*	260,300	66,368	77,102
Lentils	*	*	*	20,270	2,129	1,656	256,794	34,175	35,392
Vetch / Grass peas	*	*	*	2,252	384	*	228,314	51,615	60,037
Soya beans	*	*	*	*	*	*	29,406	3,347	2,018
Fenugreek	6,854	192	*	6,978	*	*	250,460	13,516	5,508
Gibto	-	-	-	-	-	-	*	*	*
<b>Oilseeds</b>	23,842	6,188	8,097	21,441	3,611	10,763	1,177,718	333,925	140,821
Neug	*	*	*	*	*	*	407,702	142,840	29,119
Linseed	3,843	*	*	3,045	*	*	423,463	105,064	83,632
Groundnuts	16,483	*	*	*	*	*	170,512	27,784	14,865
Safflower	*	*	*	*	*	*	24,999	1,225	83
Sesame	2,858	*	522	-	-	-	167,331	47,551	8,841
Rapeseed	*	*	*	14,098	*	8,298	194,957	9,461	4,282
<b>Vegetables</b>	20,180	1,420	2,487	37,065	4,055	10,750	2,027,445	42,909	-
Lettuce	*	*	*	*	*	*	15,545	*	-
Head cabbage	*	*	*	*	*	*	147,424	1,162	-
Ethiopian cabbage	4,459	*	*	*	*	*	1,176,729	10,536	-
Tomatoes	*	*	*	*	*	*	48,999	3,355	-
Green peppers	*	*	*	*	*	*	604,905	4,622	-
Red peppers	9,982	*	*	17,408	*	5,251	594,773	22,911	-
Swiss chard	-	-	-	*	*	-	17,096	41	-
<b>Root crops</b>	37,480	2,316	4,562	42,193	4,131	14,629	1,918,437	76,846	-
Beetroot	*	*	*	3,752	*	*	158,449	1,320	-
Carrot	*	*	*	*	*	*	61,401	*	-
Onion	*	*	*	10,011	1,834	7,834	305,567	10,558	-
Potatoes	*	*	*	14,452	*	*	303,315	19,253	-
Garlic	*	*	*	6,231	*	*	494,419	3,483	-
Taro 'Godere'	*	*	-	*	*	*	382,847	10,111	-
Sweet potatoes	21,793	697	1,598	11,540	*	1,598	720,697	29,885	-
<b>Other Temporary</b>	*	*	*	11,451	*	*	1,069,280	22,751	-
<b>Permanent crops</b>							3,196,755	531,573	
Avocado							161,781	1,672	
Bananas							800,505	14,631	
Guava							171,669	1,250	
Lemons							39,602	141	
Mangoes							357,376	3,486	
Oranges							193,692	1,891	
Papayas							298,105	2,110	
Pineapples							4,608	*	
Chat							1,359,949	113,423	
Coffee							1,459,299	276,583	
Hops / 'Gescho'							537,957	7,286	
Enset							1,368,561	97,016	
Sugar cane							383,148	9,245	
Other permanent							325,440	2,833	

(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>	531,635	189,612	90,440	1,870,141	1,364,514	472,596	77,762	716,515	485,744
<b>Cereals</b>	428,506	177,526	85,545	1,800,767	1,322,171	209,852	31,636	667,426	445,704
Teff	8,995	2,913	1,918	1,069,387	562,048	22,412	4,345	97,647	54,328
Barley	10,733	5,068	*	429,501	177,722	16,247	1,312	109,260	60,804
Wheat	50,394	20,786	40,795	925,765	496,063	17,220	1,532	230,440	168,824
Maize	359,300	147,271	34,555	111,241	32,932	135,428	13,156	374,357	152,845
Sorghum	5,699	*	*	87,826	30,022	79,788	11,146	31,815	4,787
Finger millet	*	*	-	54,986	13,385	-	-	*	*
Oats / 'Aja'	-	-	-	48,030	8,859	*	*	18,490	3,870
Rice	*	*	*	*	*	-	-	*	*
<b>Pulses</b>	11,058	3,919	4,151	75,431	21,534	39,710	2,082	51,081	18,891
Horse / Faba beans	1,909	*	*	19,840	3,811	*	679	24,401	*
Field Peas	*	*	*	26,406	8,886	2,931	*	*	*
Haricot beans	5,678	2,470	*	10,245	1,446	11,774	281	14,301	2,008
Chick peas	*	*	*	9,940	3,270	*	*	4,521	*
Lentils	*	*	*	12,505	3,274	*	*	2,572	*
Vetch / Grass peas	-	-	-	3,766	755	*	*	*	*
Soya beans	-	-	-	*	*	-	-	-	-
Fenugreek	*	*	*	*	*	*	*	3,211	*
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	6,019	1,312	*	37,546	8,392	12,257	616	29,877	6,714
Neug	*	*	-	2,668	475	*	*	2,066	*
Linseed	*	*	*	29,866	7,431	8,167	*	*	*
Groundnuts	-	-	-	*	*	*	*	4,905	*
Safflower	-	-	-	*	*	-	-	*	*
Sesame	*	*	*	*	*	*	*	*	*
Rapeseed	*	*	*	2,268	*	*	*	14,787	2,069
<b>Vegetables</b>	12,986	*	-	31,868	*	78,989	3,585	25,089	*
Lettuce	*	*	*	*	*	*	*	*	*
Head cabbage	7,891	*	-	*	*	8,016	*	3,384	*
Ethiopian cabbage	2,875	*	-	9,800	103	20,392	194	7,495	49
Tomatoes	*	*	-	6,646	*	16,067	*	*	*
Green peppers	*	*	-	5,842	*	41,737	794	*	*
Red peppers	*	*	-	5,709	*	9,922	*	*	*
Swiss chard	*	*	-	*	*	*	*	*	*
<b>Root crops</b>	33,258	*	-	32,450	4,681	143,429	7,236	28,184	*
Beetroot	8,155	*	-	*	*	13,449	*	3,138	*
Carrot	11,090	*	-	*	*	8,925	300	*	*
Onion	*	*	-	6,004	*	26,169	3,035	3,978	*
Potatoes	*	*	-	14,076	*	15,550	698	4,049	*
Garlic	*	*	-	5,123	*	23,185	219	4,625	*
Taro 'Godere'	-	-	-	*	*	*	*	*	*
Sweet potatoes	*	*	-	*	*	82,552	2,688	12,376	306
<b>Other Temporary</b>	*	*	-	10,404	630	40,312	1,112	10,609	*
<b>Permanent crops</b>				57,930	4,398	362,236	31,495	90,741	9,640
Avocado				*	*	8,118	36	*	*
Bananas				5,697	49	132,418	2,107	6,532	143
Guava				*	*	29,008	203	*	*
Lemons				-	-	8,494	*	*	*
Mangoes				*	*	20,441	191	*	33
Oranges				*	*	24,580	285	*	*
Papayas				*	*	45,307	*	*	*
Pineapples				-	-	-	-	*	*
Chat				28,642	2,223	206,996	16,215	42,454	3,179
Coffee	46,656	3,782	-	15,406	*	142,251	7,434	35,578	5,316
Hops / 'Gescho'				2,574	*	32,325	273	2,682	*
Enset				5,408	*	13,422	274		
Sugar cane				*	*	90,009	3,511	4,060	124
Other permanent				2,723	*	40,783	390	4,065	*

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

**West Welega**

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
<b>All</b>	283,600	92,964	38,364	144,272	48,685	64,964	32,252	17,744
<b>Cereals</b>	173,574	80,439	37,248	116,517	36,794	63,687	31,815	17,384
Teff	30,221	20,956	12,707	9,766	1,311	42,770	18,117	11,541
Barley	1,872	522	*	12,678	443	*	*	*
Wheat	2,031	*	*	7,502	*	*	*	*
Maize	64,238	37,407	18,323	104,930	27,118	5,183	814	615
Sorghum	44,082	6,262	*	26,381	*	*	*	*
Finger millet	31,129	14,308	5,102	*	*	29,689	11,791	4,823
Oats / 'Aja'	*	*	-	*	*	-	-	-
Rice	-	-	-	-	-	-	-	-
<b>Pulses</b>	13,613	3,625	*	51,176	3,413	*	*	*
Horse / Faba beans	4,062	1,105	*	19,553	959	*	*	*
Field Peas	2,042	276	*	9,006	259	*	*	-
Haricot beans	5,780	*	*	28,804	*	1,291	*	*
Chick peas	*	*	-	*	*	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch / Grass peas	*	81	*	3,554	60	*	*	*
Soya beans	*	*	-	*	*	-	-	-
Fenugreek	*	*	-	*	*	-	-	-
Gibto	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	23,463	*	*	*	*	*	*	*
Neug	15,090	*	*	*	*	*	*	*
Linseed	749	*	-	*	*	-	-	-
Groundnuts	*	*	-	*	*	-	-	-
Safflower	*	-	-	-	-	-	-	-
Sesame	6,832	*	-	*	*	-	-	-
Rapeseed	*	*	-	*	*	-	-	-
<b>Vegetables</b>	2,323	1,230	*	61,644	1,198	*	*	*
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	14	*	-	*	*	-	-	-
Ethiopian cabbage	263	*	*	8,420	102	*	*	*
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	203	*	-	*	*	-	-	-
Red peppers	1,837	1,059	*	48,225	1,038	*	*	*
Swiss chard	-	-	-	-	-	-	-	-
<b>Root crops</b>	5,555	1,894	*	54,317	1,707	3,876	*	*
Beetroot	*	*	-	*	*	-	-	-
Carrot	9	*	-	1,608	*	-	-	-
Onion	*	*	*	5,831	*	*	*	*
Potatoes	694	*	*	14,180	*	*	*	*
Garlic	*	*	-	7,777	*	*	*	-
Taro 'Godere'	121	35	-	5,158	33	-	-	-
Sweet potatoes	4,551	1,277	*	35,856	1,121	*	*	*
<b>Other Temporary</b>	2,705	1,274	*	46,004	1,222	*	*	*
<b>Permanent crops</b>	62,367	1,402	*	46,279	1,266	*	*	*
Avocado	317	*	-	2,283	9	-	-	-
Bananas	1,979	636	*	26,275	608	*	*	*
Guava	*	*	-	*	*	-	-	-
Lemons	*	-	-	-	-	-	-	-
Mangoes	672	34	-	5,196	*	-	-	-
Oranges	341	85	-	8,752	81	-	-	-
Papayas	47	24	-	5,145	*	-	-	-
Pineapples	-	-	-	-	-	-	-	-
Chat	1,480	129	-	10,066	117	-	-	-
Coffee	56,762	342	-	11,594	280	-	-	-
Hops / 'Gescho'	381	107	-	9,100	91	-	-	-
Enset	59	*	-	*	*	-	-	-
Sugar cane	298	*	-	*	*	-	-	-
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>	2,247	*	*	41,474	11,710	20,569	254,848	276,328	80,153
<b>Cereals</b>	*	*	*	40,834	11,561	19,834	237,894	166,824	67,532
Teff	*	*	*	3,865	*	*	88,080	30,151	19,837
Barley	*	*	-	*	*	*	40,926	1,862	2,081
Wheat	-	-	-	-	-	-	26,008	2,031	1,904
Maize	*	*	*	37,599	9,252	17,685	209,414	57,599	19,510
Sorghum	-	-	-	*	*	*	186,475	44,050	11,996
Finger millet	-	-	-	*	*	*	107,509	31,129	12,204
Oats / 'Aja'	-	-	-	-	-	-	*	*	-
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	-	-	-	*	*	*	137,858	13,605	8,833
Horse / Faba beans	-	-	-	*	*	*	55,574	4,055	3,147
Field Peas	-	-	-	*	*	*	33,759	2,042	1,551
Haricot beans	-	-	-	-	-	-	82,392	5,779	3,291
Chick peas	-	-	-	-	-	-	5,542	*	*
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	12,435	*	*
Soya beans	-	-	-	-	-	-	*	*	*
Fenugreek	-	-	-	-	-	-	7,150	*	*
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	-	-	-	90,869	23,449	3,789
Neug	-	-	-	-	-	-	64,761	15,090	2,418
Linseed	-	-	-	-	-	-	13,507	749	*
Groundnuts	-	-	-	-	-	-	9,688	*	*
Safflower	-	-	-	-	-	-	*	*	*
Sesame	-	-	-	-	-	-	17,504	6,832	934
Rapeseed	-	-	-	-	-	-	3,961	*	*
<b>Vegetables</b>	*	*	*	*	*	*	119,425	2,322	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	3,219	14	-
Ethiopian cabbage	-	-	-	-	-	-	25,144	263	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	18,777	203	-
Red peppers	*	*	*	*	*	*	86,551	1,836	-
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	*	*	*	*	*	*	146,353	5,555	-
Beetroot	-	-	-	-	-	-	3,916	*	-
Carrot	-	-	-	-	-	-	4,542	9	-
Onion	-	-	-	-	-	-	6,824	*	-
Potatoes	-	-	-	-	-	-	26,724	694	-
Garlic	-	-	-	-	-	-	12,402	*	-
Taro 'Godere'	*	*	-	-	-	-	15,852	121	-
Sweet potatoes	*	*	*	*	*	*	127,809	4,551	-
<b>Other Temporary</b>	-	-	-	*	*	*	97,667	2,687	-
<b>Permanent crops</b>							224,451	61,886	
Avocado							33,276	317	
Bananas							102,932	1,978	
Guava							*	*	
Lemons							*	*	
Mangoes							56,355	666	
Oranges							32,243	339	
Papayas							10,597	47	
Pineapples							-	-	
Chat							42,782	1,480	
Coffee							198,642	56,292	
Hops / 'Geshe'							37,188	380	
Enset							9,346	59	
Sugar cane							9,389	298	
Other permanent							2,602	*	

(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>	28,682	6,899	1,512	34,568	11,629	*	*	29,382	7,384
<b>Cereals</b>	27,387	6,740	1,512	33,931	11,529	*	*	28,084	7,050
Teff	*	*	-	17,403	6,497	*	*	*	*
Barley	-	-	-	-	-	*	*	-	-
Wheat	-	-	-	*	*	-	-	-	-
Maize	26,432	6,639	1,503	*	*	*	*	26,762	6,436
Sorghum	*	*	*	1,969	322	*	*	*	*
Finger millet	-	-	-	9,571	2,311	-	-	-	-
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>				*	*	3,222	*	2,945	*
Avocado				-	-	-	-	*	*
Bananas				*	*	*	*	*	*
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	-	-	*	*
Oranges				-	-	-	-	*	*
Papayas				-	-	-	-	-	-
Pineapples				-	-	-	-	-	-
Chat				-	-	-	-	*	*
Coffee	*	*	-	-	-	*	*	*	*
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>	333,718	122,424	108,395	121,016	24,092	60,689	47,794	32,782
<b>Cereals</b>	251,923	113,456	106,677	82,480	17,512	58,961	47,259	32,289
Teff	71,121	45,337	29,474	4,708	1,573	52,287	38,517	25,365
Barley	7,616	2,442	*	16,170	2,171	-	-	-
Wheat	8,053	*	*	3,472	249	*	*	*
Maize	95,897	54,066	66,715	74,767	13,005	7,502	2,120	2,404
Sorghum	52,840	*	*	5,093	507	*	*	*
Finger millet	16,063	*	*	-	-	*	*	*
Oats / 'Aja'	*	*	-	*	*	-	-	-
Rice	*	-	-	-	-	-	-	-
<b>Pulses</b>	18,780	3,177	208	33,871	2,846	1,741	*	167
Horse / Faba beans	10,539	2,623	*	23,378	2,481	*	*	*
Field Peas	2,578	*	*	2,430	*	*	*	*
Haricot beans	3,254	127	-	5,335	127	-	-	-
Chick peas	*	*	-	*	*	-	-	-
Lentils	*	*	-	*	*	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	*	*	*	*	*	-	-	-
Fenugreek	219	*	-	6,297	*	-	-	-
Gibto	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	47,117	2,367	627	11,250	672	*	*	*
Neug	25,809	336	*	2,398	211	*	*	*
Linseed	290	*	-	*	*	-	-	-
Groundnuts	*	*	*	-	-	*	*	*
Safflower	*	*	*	*	*	-	-	-
Sesame	15,612	*	512	*	*	*	*	*
Rapeseed	573	363	-	9,153	363	-	-	-
<b>Vegetables</b>	2,793	1,178	122	60,539	960	1,237	*	*
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	9	*	-	*	*	-	-	-
Ethiopian cabbage	89	*	-	8,159	*	-	-	-
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	207	107	-	16,482	105	*	*	*
Red peppers	2,482	1,007	122	41,438	791	*	*	*
Swiss chard	*	-	-	-	-	-	-	-
<b>Root crops</b>	2,105	557	*	39,453	549	*	*	*
Beetroot	*	*	-	6,453	*	-	-	-
Carrot	*	*	-	*	*	-	-	-
Onion	*	*	-	8,128	*	-	-	-
Potatoes	308	187	*	*	*	*	*	*
Garlic	148	86	-	20,482	86	-	-	-
Taro 'Godere'	*	*	-	3,696	*	-	-	-
Sweet potatoes	1,402	*	*	7,405	*	*	*	*
<b>Other Temporary</b>	1,387	794	*	28,499	776	*	*	*
<b>Permanent crops</b>	9,614	894		36,933	776			
Avocado	*	*		*	*			
Bananas	512	139		12,687	102			
Guava	-	-		-	-			
Lemons	*	*		*	*			
Mangoes	474	*		3,450	*			
Oranges	*	*		*	*			
Papayas	*	*		*	*			
Pineapples	-	-		-	-			
Chat	*	139		8,299	139			
Coffee	6,621	282		10,823	282			
Hops / 'Gescho'	344	94		13,711	94			
Enset	*	-		-	-			
Sugar cane	346	*		*	*			
Other permanent	*	*		*	*			

(Table 1.4.2 cont'd.)

**East Welega**

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
<b>All</b>	6,595	3,536	1,831	60,459	47,002	73,782	213,671	305,240	122,694
<b>Cereals</b>	2,968	1,811	1,253	60,167	46,874	73,135	208,091	223,809	98,040
Teff	*	*	*	9,271	4,761	3,810	112,678	71,029	37,548
Barley	-	-	-	*	*	*	44,793	7,591	10,128
Wheat	*	*	*	*	*	*	39,578	8,053	11,859
Maize	*	*	*	48,623	38,340	63,686	184,727	68,131	22,557
Sorghum	*	*	*	-	-	-	117,078	52,772	10,708
Finger millet	*	*	*	-	-	-	42,729	15,901	4,789
Oats / 'Aja'	-	-	-	-	-	-	*	*	*
Rice	-	-	-	-	-	-	*	*	*
<b>Pulses</b>	*	*	*	-	-	-	105,901	18,657	14,725
Horse / Faba beans	-	-	-	-	-	-	68,913	10,539	8,135
Field Peas	-	-	-	-	-	-	16,039	2,576	2,898
Haricot beans	-	-	-	-	-	-	28,022	3,133	2,427
Chick peas	-	-	-	-	-	-	5,819	*	*
Lentils	-	-	-	-	-	-	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	*	*	*	-	-	-	6,067	*	690
Fenugreek	-	-	-	-	-	-	17,922	219	*
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	*	*	*	-	-	-	113,724	47,029	9,929
Neug	*	*	*	-	-	-	69,323	25,802	4,719
Linseed	-	-	-	-	-	-	7,342	278	97
Groundnuts	*	*	*	-	-	-	20,869	*	*
Safflower	*	*	*	-	-	-	*	*	*
Sesame	*	*	*	-	-	-	38,050	15,612	2,541
Rapeseed	-	-	-	-	-	-	13,586	555	25
<b>Vegetables</b>	*	135	*	*	*	*	116,426	2,776	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	4,607	9	-
Ethiopian cabbage	-	-	-	-	-	-	14,948	89	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	27,486	207	-
Red peppers	*	135	*	*	*	*	87,515	2,465	-
Swiss chard	-	-	-	-	-	-	*	*	-
<b>Root crops</b>	-	-	-	-	-	-	83,897	2,104	-
Beetroot	-	-	-	-	-	-	11,940	*	-
Carrot	-	-	-	-	-	-	3,442	*	-
Onion	-	-	-	-	-	-	13,918	*	-
Potatoes	-	-	-	-	-	-	12,534	308	-
Garlic	-	-	-	-	-	-	30,959	148	-
Taro 'Godere'	-	-	-	-	-	-	5,164	*	-
Sweet potatoes	-	-	-	-	-	-	40,065	1,402	-
<b>Other Temporary</b>	-	-	-	-	-	-	58,875	1,369	-
<b>Permanent crops</b>							106,207	9,497	
Avocado							*	*	
Bananas							31,003	512	
Guava							-	-	
Lemons							*	*	
Mangoes							30,290	470	
Oranges							2,990	*	
Papayas							6,901	19	
Pineapples							-	-	
Chat							24,565	*	
Coffee							52,681	6,522	
Hops / 'Geshe'							40,110	343	
Enset							*	*	
Sugar cane							5,485	334	
Other permanent							6,660	*	

(Table 1.4.2 Cont'd.)

**East Welega**

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
<b>All</b>	41,693	28,076	5,635	40,796	22,590	8,833	951	42,891	35,834
<b>Cereals</b>	38,679	27,836	5,635	39,274	22,515	2,017	*	41,412	35,487
Teff	*	*	-	31,935	16,908	*	*	4,894	2,209
Barley	*	*	-	*	*	*	*	-	-
Wheat	-	-	-	*	627	*	*	*	*
Maize	37,134	27,554	5,635	3,899	*	*	*	35,737	31,638
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>				*	*	3,810	*	1,160	82
Avocado				-	-	-	-	-	-
Bananas				-	-	*	*	*	*
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	*	*	-	-
Oranges				-	-	-	-	-	-
Papayas				-	-	-	-	-	-
Pineapples				-	-	-	-	-	-
Chat				-	-	-	-	*	*
Coffee	3,026	90	-	*	*	*	*	*	*
Hops / 'Geshe'				-	-	*	*	*	*
Enset				-	-	-	-	-	-
Sugar cane				-	-	*	*	*	*
Other permanent				-	-	*	*	-	-

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

**Illubabor**

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
<b>All</b>	288,127	55,709	24,464	124,470	24,067	45,855	26,080	17,879
<b>Cereals</b>	205,296	51,033	24,206	77,135	19,658	45,855	26,033	17,833
Teff	66,129	24,614	12,263	19,014	4,833	31,217	18,213	11,157
Barley	4,272	*	-	*	*	-	-	-
Wheat	*	*	*	*	*	*	*	*
Maize	73,946	21,738	11,759	66,906	10,701	15,367	7,263	6,493
Sorghum	51,607	2,435	-	18,885	2,435	-	-	-
Finger millet	6,718	*	*	*	*	*	*	*
Oats / 'Aja'	*	*	-	*	*	-	-	-
Rice	*	-	-	-	-	-	-	-
<b>Pulses</b>	15,251	1,692	-	37,734	1,692	-	-	-
Horse / Faba beans	4,800	933	-	12,060	933	-	-	-
Field Peas	2,951	522	-	5,856	522	-	-	-
Haricot beans	4,309	212	-	24,935	212	-	-	-
Chick peas	*	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch / Grass peas	*	-	-	-	-	-	-	-
Soya beans	*	-	-	-	-	-	-	-
Fenugreek	150	*	-	*	*	-	-	-
Gibto	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	13,878	*	*	4,772	*	-	-	-
Neug	8,495	*	-	*	*	-	-	-
Linseed	286	*	-	*	*	-	-	-
Groundnuts	*	*	-	*	*	-	-	-
Safflower	*	-	-	-	-	-	-	-
Sesame	4,727	*	*	-	-	-	-	-
Rapeseed	77	*	-	*	*	-	-	-
<b>Vegetables</b>	2,271	447	*	63,094	376	*	*	*
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	29	14	*	9,902	14	*	*	*
Ethiopian cabbage	391	96	-	36,616	96	-	-	-
Tomatoes	4	1	-	1,525	1	-	-	-
Green peppers	441	134	-	28,199	134	-	-	-
Red peppers	1,406	202	*	16,477	131	*	*	*
Swiss chard	-	-	-	-	-	-	-	-
<b>Root crops</b>	2,662	370	*	43,054	370	*	*	*
Beetroot	28	9	*	9,552	9	*	*	*
Carrot	5	*	-	*	*	-	-	-
Onion	28	*	-	*	*	-	-	-
Potatoes	*	*	-	*	*	-	-	-
Garlic	*	*	-	6,997	*	-	-	-
Taro 'Godere'	869	*	-	25,475	*	-	-	-
Sweet potatoes	1,668	*	-	8,147	*	-	-	-
<b>Other Temporary</b>	604	176	*	23,439	169	*	*	*
<b>Permanent crops</b>	48,165	1,519		66,161	1,509			
Avocado	*	*		*	*			
Bananas	856	175		17,919	171			
Guava	*	*		*	*			
Lemons	17	*		*	*			
Mangoes	415	52		8,235	52			
Oranges	*	12		3,770	12			
Papayas	168	*		3,846	*			
Pineapples	*	*		*	*			
Chat	2,182	428		17,706	428			
Coffee	42,159	*		13,780	*			
Hops / 'Gescho'	92	*		4,791	*			
Enset	1,348	290		41,495	287			
Sugar cane	493	28		5,845	25			
Other permanent	64	13		7,812	13			

(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>	4,019	1,820	831	11,312	3,742	5,754	277,005	284,536	102,117
<b>Cereals</b>	3,655	1,602	681	11,312	3,739	5,692	261,680	202,163	87,594
Teff	1,832	924	*	*	*	*	140,221	66,129	34,309
Barley	-	-	-	-	-	-	44,179	4,266	5,770
Wheat	-	-	-	-	-	-	13,940	*	1,512
Maize	*	*	*	10,220	3,096	*	228,231	70,853	29,961
Sorghum	-	-	-	-	-	-	174,219	51,573	13,562
Finger millet	-	-	-	-	-	-	45,894	6,718	2,424
Oats / 'Aja'	-	-	-	-	-	-	*	*	-
Rice	-	-	-	-	-	-	*	*	*
<b>Pulses</b>	-	-	-	-	-	-	144,555	15,236	11,903
Horse / Faba beans	-	-	-	-	-	-	43,528	4,800	4,651
Field Peas	-	-	-	-	-	-	22,299	2,951	2,252
Haricot beans	-	-	-	-	-	-	103,297	4,294	2,996
Chick peas	-	-	-	-	-	-	8,878	*	*
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	*	*	*
Soya beans	-	-	-	-	-	-	7,295	*	*
Fenugreek	-	-	-	-	-	-	16,853	150	43
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	*	*	*	-	-	-	69,490	13,878	2,619
Neug	-	-	-	-	-	-	33,454	8,495	1,502
Linseed	-	-	-	-	-	-	9,230	286	99
Groundnuts	-	-	-	-	-	-	10,880	*	*
Safflower	-	-	-	-	-	-	*	*	*
Sesame	*	*	*	-	-	-	25,546	4,727	882
Rapeseed	-	-	-	-	-	-	4,116	77	13
<b>Vegetables</b>	*	*	*	-	-	-	159,532	2,257	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	18,807	29	-
Ethiopian cabbage	-	-	-	-	-	-	87,687	378	-
Tomatoes	-	-	-	-	-	-	3,352	3	-
Green peppers	-	-	-	-	-	-	62,897	441	-
Red peppers	*	*	*	-	-	-	62,902	1,406	-
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	-	-	-	-	-	-	125,889	2,642	-
Beetroot	-	-	-	-	-	-	18,096	28	-
Carrot	-	-	-	-	-	-	2,934	5	-
Onion	-	-	-	-	-	-	9,536	28	-
Potatoes	-	-	-	-	-	-	2,921	*	-
Garlic	-	-	-	-	-	-	13,960	*	-
Taro 'Godere'	-	-	-	-	-	-	74,123	863	-
Sweet potatoes	-	-	-	-	-	-	43,090	1,654	-
<b>Other Temporary</b>	-	-	-	-	-	-	68,513	581	-
<b>Permanent crops</b>							205,331	47,780	
Avocado							6,625	*	
Bananas							72,940	850	
Guava							8,432	*	
Lemons							6,239	17	
Mangoes							40,031	415	
Oranges							23,144	*	
Papayas							36,573	168	
Pineapples							*	*	
Chat							76,628	2,182	
Coffee							139,998	41,791	
Hops / 'Gescho'							22,552	90	
Enset							121,008	1,341	
Sugar cane							34,479	491	
Other permanent							25,607	64	

(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>	16,442	3,541	*	60,635	34,126	*	*	21,915	6,320
<b>Cereals</b>	12,047	3,133	*	59,906	34,038	*	*	19,702	5,700
Teff	-	-	-	53,602	30,490	-	-	*	*
Barley	*	*	-	*	*	-	-	-	-
Wheat	-	-	-	*	*	-	-	-	-
Maize	11,316	3,093	*	1,886	*	*	*	12,775	3,208
Sorghum	*	*	*	6,593	*	*	*	1,459	*
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	3,666	366	-	*	*	*	*	*	*
Hops / 'Geshe'				*	*	-	-	-	-
Enset				-	-	-	-	-	-
Sugar cane				-	-	*	*	*	*
Other permanent				-	-	-	-	-	-

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

**Jimma**

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
<b>All</b>	567,617	179,913	125,288	412,386	54,389	186,093	88,768	68,417
<b>Cereals</b>	380,925	142,677	110,374	150,324	21,221	184,897	85,426	59,133
Teff	130,698	65,035	37,661	22,963	3,191	147,613	58,670	36,304
Barley	20,853	1,283	*	12,056	786	*	*	*
Wheat	28,203	*	*	4,357	*	31,255	*	*
Maize	122,181	65,815	67,498	111,984	13,450	72,537	19,547	17,933
Sorghum	66,896	3,506	*	32,055	3,108	3,680	*	*
Finger millet	9,900	*	*	*	*	*	*	*
Oats / 'Aja'	590	*	*	-	-	*	*	*
Rice	*	*	*	-	-	*	*	*
<b>Pulses</b>	35,432	4,056	*	56,156	2,183	*	1,795	*
Horse / Faba beans	21,167	2,699	*	29,172	1,819	*	*	*
Field Peas	9,271	*	*	*	*	*	*	*
Haricot beans	3,309	252	*	23,881	135	*	*	*
Chick peas	*	*	-	*	*	-	-	-
Lentils	*	*	*	*	*	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	*	*	*	-	-	*	*	*
Fenugreek	*	*	-	*	*	-	-	-
Gibto	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	18,969	904	*	17,055	*	3,667	103	*
Neug	9,157	*	*	*	*	*	*	*
Linseed	1,661	*	*	4,934	*	*	*	*
Groundnuts	*	*	-	*	*	-	-	-
Safflower	*	-	-	-	-	-	-	-
Sesame	*	-	-	-	-	-	-	-
Rapeseed	*	*	*	7,835	57	*	*	*
<b>Vegetables</b>	7,999	3,063	*	285,416	2,366	17,098	*	*
Lettuce	*	*	-	*	*	-	-	-
Head cabbage	227	126	*	27,522	117	*	*	*
Ethiopian cabbage	2,086	1,512	*	242,019	1,474	*	*	*
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	471	290	-	84,837	290	-	-	-
Red peppers	*	1,090	*	41,972	440	*	*	*
Swiss chard	*	*	-	*	*	-	-	-
<b>Root crops</b>	10,410	5,289	*	206,698	5,256	*	*	*
Beetroot	*	*	-	17,204	*	-	-	-
Carrot	*	*	-	4,829	*	-	-	-
Onion	48	32	*	*	*	-	-	-
Potatoes	776	*	-	*	*	-	-	-
Garlic	163	76	-	23,771	76	-	-	-
Taro 'Godere'	8,723	4,524	*	161,015	4,494	*	*	*
Sweet potatoes	*	*	-	17,030	*	-	-	-
<b>Other Temporary</b>	1,077	597	*	85,309	588	*	*	*
<b>Permanent crops</b>	112,805	23,326	*	349,002	22,224	*	*	*
Avocado	*	*	-	26,872	*	-	-	-
Bananas	2,582	812	*	93,259	792	*	*	*
Guava	215	70	*	18,418	70	*	*	*
Lemons	*	-	-	-	-	-	-	-
Mangoes	715	331	*	41,817	280	*	*	*
Oranges	409	34	*	15,374	34	*	*	*
Papayas	402	174	*	43,785	157	*	*	*
Pineapples	*	*	-	*	*	-	-	-
Chat	14,669	4,898	*	138,628	4,177	*	*	*
Coffee	73,278	3,774	*	123,528	3,494	*	*	*
Hops / 'Geshe'	*	*	-	6,678	*	-	-	-
Enset	17,826	12,075	*	298,270	12,064	*	*	*
Sugar cane	1,537	657	*	78,077	657	*	*	*
Other permanent	282	127	*	24,962	127	*	*	*

(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>	9,758	*	*	74,493	34,097	55,628	585,285	530,581	230,322
<b>Cereals</b>	9,121	*	*	74,493	33,401	50,052	522,293	344,657	190,895
Teff	*	*	*	2,414	*	*	365,558	130,562	63,751
Barley	-	-	-	-	-	-	126,477	20,729	26,642
Wheat	-	-	-	-	-	-	125,920	27,792	39,203
Maize	*	*	*	73,295	32,640	49,430	305,657	86,639	39,948
Sorghum	-	-	-	*	*	*	262,275	66,884	16,364
Finger millet	-	-	-	-	-	-	46,520	9,900	2,487
Oats / 'Aja'	-	-	-	-	-	-	10,340	590	822
Rice	-	-	-	-	-	-	*	*	*
<b>Pulses</b>	-	-	-	*	*	*	250,213	35,432	36,274
Horse / Faba beans	-	-	-	-	-	-	133,760	21,167	25,454
Field Peas	-	-	-	-	-	-	57,766	9,271	8,146
Haricot beans	-	-	-	*	*	*	100,979	3,309	*
Chick peas	-	-	-	-	-	-	*	*	*
Lentils	-	-	-	-	-	-	20,241	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	*	*	*	*	*	*
Fenugreek	-	-	-	-	-	-	*	*	*
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	*	*	*	114,537	18,969	3,154
Neug	-	-	-	-	-	-	39,120	9,157	1,784
Linseed	-	-	-	-	-	-	50,145	1,661	511
Groundnuts	-	-	-	-	-	-	*	*	*
Safflower	-	-	-	-	-	-	*	*	*
Sesame	-	-	-	-	-	-	*	*	*
Rapeseed	-	-	-	*	*	*	14,543	*	*
<b>Vegetables</b>	*	*	-	*	*	*	422,073	7,976	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	-	-	-	*	*	*	43,946	217	-
Ethiopian cabbage	*	*	-	-	-	-	344,042	2,075	-
Tomatoes	-	-	-	-	-	-	4,356	*	-
Green peppers	-	-	-	-	-	-	116,134	471	-
Red peppers	-	-	-	*	*	*	105,482	*	-
Swiss chard	-	-	-	-	-	-	*	*	-
<b>Root crops</b>	-	-	-	*	*	*	329,255	10,393	-
Beetroot	-	-	-	-	-	-	22,652	*	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	-	-	-	*	*	*	*	45	-
Potatoes	-	-	-	-	-	-	22,774	776	-
Garlic	-	-	-	-	-	-	41,848	163	-
Taro 'Godere'	-	-	-	*	*	*	261,586	8,722	-
Sweet potatoes	-	-	-	-	-	-	30,419	*	-
<b>Other Temporary</b>	-	-	-	-	-	-	129,456	1,077	-
<b>Permanent crops</b>							528,209	112,076	
Avocado							57,359	*	
Bananas							205,783	2,560	
Guava							44,839	215	
Lemons							*	*	
Mangoes							105,978	711	
Oranges							67,991	406	
Papayas							92,069	402	
Pineapples							3,645	*	
Chat							297,852	14,660	
Coffee							340,755	72,673	
Hops / 'Geshe'							20,166	*	
Enset							435,633	17,822	
Sugar cane							151,243	1,534	
Other permanent							67,752	281	



(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>	99,187	36,963	7,736	313,088	139,306	17,777	1,753	117,693	42,624
<b>Cereals</b>	88,377	36,267	7,736	306,578	137,173	*	*	103,611	39,046
Teff	*	*	*	270,889	97,487	*	*	13,297	*
Barley	*	*	-	23,561	*	-	-	*	*
Wheat	*	*	*	59,160	13,670	-	-	*	*
Maize	85,289	35,542	7,320	14,547	3,986	-	-	90,320	35,484
Sorghum	*	*	-	26,526	11,870	-	-	*	*
Finger millet	-	-	-	*	*	-	-	*	*
Oats / 'Aja'	-	-	-	*	*	-	-	-	-
Rice	*	*	*	*	*	-	-	*	*
<b>Pulses</b>	-	-	-	4,745	*	-	-	*	*
Horse / Faba beans	-	-	-	*	*	-	-	-	-
Field Peas	-	-	-	*	*	-	-	-	-
Haricot beans	-	-	-	*	*	-	-	*	*
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	10,344	271	-	-	*	*
Neug	-	-	-	*	*	-	-	-	-
Linseed	-	-	-	9,747	*	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	*	*
<b>Vegetables</b>	*	*	-	*	*	*	*	*	*
Lettuce	*	*	-	-	-	*	*	-	-
Head cabbage	*	*	-	-	-	*	*	-	-
Ethiopian cabbage	-	-	-	*	*	*	*	*	*
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	*	*	-	-
Red peppers	-	-	-	*	*	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	2,414	*	-	*	*	*	*	*	*
Beetroot	*	*	-	-	-	-	-	-	-
Carrot	*	*	-	-	-	*	*	-	-
Onion	*	*	-	-	-	*	*	-	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	*	*	-	-	-	-
Taro 'Godere'	-	-	-	*	*	-	-	*	*
Sweet potatoes	-	-	-	-	-	-	-	-	-
<b>Other Temporary</b>	-	-	-	*	*	*	*	*	*
<b>Permanent crops</b>				14,325	*	*	*	*	*
Avocado				*	*	*	*	-	-
Bananas				*	*	*	*	*	*
Guava				-	-	*	*	-	-
Lemons				-	-	-	-	-	-
Mangoes				*	*	-	-	*	*
Oranges				-	-	*	*	-	-
Papayas				-	-	*	*	-	-
Pineapples				-	-	-	-	*	*
Chat				4,943	*	*	*	*	*
Coffee	*	*	-	8,225	*	*	*	*	*
Hops / 'Geshe'				-	-	-	-	-	-
Enset				*	*	*	*	-	-
Sugar cane				-	-	*	*	-	-
Other permanent				*	*	-	-	-	-

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

**West Shewa**

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
<b>All</b>	572,013	335,563	332,131	344,704	53,193	152,480	101,419	89,660
<b>Cereals</b>	456,808	301,978	311,654	202,432	35,660	142,611	92,525	80,774
Teff	141,810	106,280	82,805	17,254	3,385	54,512	37,580	21,665
Barley	61,324	49,851	52,018	36,896	2,875	65,399	30,615	32,416
Wheat	92,775	85,099	115,111	19,667	1,680	59,764	20,610	23,443
Maize	75,773	52,979	61,192	159,052	20,771	19,674	3,601	3,153
Sorghum	81,212	7,244	*	22,877	6,878	*	*	*
Finger millet	*	*	-	*	*	-	-	-
Oats / 'Aja'	1,619	*	*	*	*	*	*	*
Rice	-	-	-	-	-	-	-	-
<b>Pulses</b>	60,263	15,799	11,643	52,888	4,216	36,507	*	*
Horse / Faba beans	24,957	6,185	3,368	34,510	2,830	18,724	2,108	2,106
Field Peas	13,875	*	*	*	*	*	*	*
Haricot beans	137	*	*	4,186	*	*	*	*
Chick peas	7,510	*	*	*	*	*	*	*
Lentils	4,867	*	*	*	*	*	*	*
Vetch / Grass peas	*	*	*	*	*	*	*	*
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	*	*	*	6,955	*	-	-	-
Gibto	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	34,350	*	*	27,217	658	3,694	*	*
Neug	17,802	*	-	*	*	-	-	-
Linseed	13,914	*	*	-	-	*	*	*
Groundnuts	*	*	*	-	-	-	-	-
Safflower	*	-	-	-	-	-	-	-
Sesame	*	-	-	-	-	-	-	-
Rapeseed	*	*	*	26,705	470	*	*	*
<b>Vegetables</b>	4,697	3,593	*	181,149	1,910	3,066	38	*
Lettuce	*	*	-	*	*	-	-	-
Head cabbage	91	66	-	10,747	66	-	-	-
Ethiopian cabbage	852	792	*	114,443	685	*	*	*
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	573	381	*	65,525	347	*	*	*
Red peppers	*	*	*	28,037	807	*	*	*
Swiss chard	*	*	-	*	*	-	-	-
<b>Root crops</b>	4,114	2,271	*	150,699	1,644	*	*	*
Beetroot	66	45	*	19,017	44	-	-	-
Carrot	*	*	*	5,323	4	*	*	*
Onion	406	304	*	67,223	296	*	*	*
Potatoes	1,714	1,194	*	43,926	838	*	*	*
Garlic	600	397	*	77,824	389	*	*	*
Taro 'Godere'	*	*	*	*	*	*	*	*
Sweet potatoes	*	*	*	*	*	*	*	*
<b>Other Temporary</b>	711	576	*	76,372	481	-	-	-
<b>Permanent crops</b>	11,071	8,754	*	213,460	8,626	*	*	*
Avocado	*	*	*	*	*	*	*	*
Bananas	106	57	*	7,379	56	*	*	*
Guava	*	*	*	*	*	*	*	*
Lemons	23	*	*	*	*	*	*	*
Mangoes	*	*	*	*	*	*	*	*
Oranges	*	*	*	*	*	*	*	*
Papayas	*	*	*	*	*	*	*	*
Pineapples	-	-	-	-	-	*	*	*
Chat	286	94	*	13,376	94	*	*	*
Coffee	364	99	*	9,620	91	*	*	*
Hops / 'Geshe'	1,039	780	*	102,720	758	*	*	*
Enset	8,331	7,394	*	171,658	7,341	*	*	*
Sugar cane	505	*	*	8,435	*	*	*	*
Other permanent	111	*	*	11,678	54	*	*	*

(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>	21,288	5,285	*	216,495	175,666	237,424	457,393	546,667	543,004
<b>Cereals</b>	15,088	4,734	*	211,481	169,060	227,026	442,239	431,844	432,196
Teff	8,367	2,622	1,238	111,313	62,693	59,902	246,942	141,810	77,640
Barley	*	*	*	60,349	16,301	19,573	162,530	61,324	121,764
Wheat	*	*	*	130,718	62,610	91,499	223,362	90,651	188,259
Maize	*	*	*	53,717	26,754	55,621	257,350	53,022	23,296
Sorghum	-	-	-	*	*	*	172,643	81,123	18,177
Finger millet	-	-	-	-	-	-	*	*	*
Oats / 'Aja'	-	-	-	*	*	*	14,127	1,619	2,066
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	*	*	*	25,709	3,747	4,045	237,316	60,194	96,328
Horse / Faba beans	*	*	*	*	1,244	1,260	164,129	24,957	45,531
Field Peas	-	-	-	*	*	*	67,018	13,875	26,997
Haricot beans	*	*	*	*	*	*	11,692	137	33
Chick peas	*	*	*	-	-	-	33,203	7,441	*
Lentils	-	-	-	8,160	619	397	42,248	4,867	*
Vetch / Grass peas	-	-	-	-	-	-	25,143	*	*
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	*	*	*	-	-	-	17,304	*	*
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	*	*	*	*	*	*	123,657	34,261	14,480
Neug	-	-	-	-	-	-	43,508	17,802	2,683
Linseed	-	-	-	*	*	*	44,279	13,914	10,644
Groundnuts	*	*	*	*	*	*	*	*	*
Safflower	-	-	-	-	-	-	*	*	*
Sesame	-	-	-	-	-	-	*	*	*
Rapeseed	-	-	-	*	*	*	44,892	*	*
<b>Vegetables</b>	*	*	*	14,146	*	*	240,419	4,690	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	-	-	-	-	-	-	13,919	89	-
Ethiopian cabbage	*	*	*	*	*	*	130,732	848	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	*	*	*	*	*	*	93,732	572	-
Red peppers	*	*	*	*	*	*	62,440	*	-
Swiss chard	-	-	-	*	*	-	*	*	-
<b>Root crops</b>	*	*	*	*	*	*	213,026	4,027	-
Beetroot	-	-	-	*	*	*	25,943	61	-
Carrot	-	-	-	*	*	*	7,925	11	-
Onion	-	-	-	*	*	*	83,499	403	-
Potatoes	-	-	-	*	*	*	68,013	1,714	-
Garlic	*	*	*	*	*	*	104,846	598	-
Taro 'Godere'	-	-	-	-	-	-	*	*	-
Sweet potatoes	*	*	*	-	-	-	27,284	*	-
<b>Other Temporary</b>	*	*	*	*	*	*	99,906	679	-
<b>Permanent crops</b>							274,759	10,971	
Avocado							3,737	*	
Bananas							16,819	106	
Guava							*	*	
Lemons							6,316	23	
Mangoes							15,379	*	
Oranges							3,162	*	
Papayas							*	*	
Pineapples							-	-	
Chat							32,011	284	
Coffee							24,998	347	
Hops / 'Geshe'							136,497	1,030	
Enset							201,018	8,314	
Sugar cane							21,220	484	
Other permanent							19,151	75	

(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>	51,621	25,160	9,311	323,066	248,997	44,408	3,412	54,881	46,874
<b>Cereals</b>	45,425	24,963	9,243	319,826	245,092	*	*	52,649	46,578
Teff	-	-	-	199,286	114,185	*	*	*	*
Barley	-	-	-	98,155	36,539	*	*	*	*
Wheat	*	*	*	174,239	76,254	*	*	20,544	9,469
Maize	38,485	22,751	5,308	11,892	*	*	*	28,968	19,531
Sorghum	*	*	-	27,298	11,137	-	-	-	-
Finger millet	-	-	-	*	*	-	-	-	-
Oats / 'Aja'	-	-	-	7,030	899	*	*	-	-
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	*	*	*	4,269	395	*	*	*	*
Horse / Faba beans	-	-	-	*	*	*	*	*	*
Field Peas	-	-	-	*	*	*	*	-	-
Haricot beans	-	-	-	*	*	*	*	-	-
Chick peas	*	*	*	*	*	*	*	-	-
Lentils	-	-	-	*	*	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	*	*	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	*	*	-	-
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	7,086	*	-	-	*	*
Neug	-	-	-	-	-	-	-	*	*
Linseed	-	-	-	5,737	*	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	*	*	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	*	*	-	-	*	*
<b>Vegetables</b>	*	*	-	3,106	*	14,964	*	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	*	*	*	*	-	-
Ethiopian cabbage	-	-	-	*	*	*	*	-	-
Tomatoes	-	-	-	-	-	*	*	-	-
Green peppers	-	-	-	*	*	7,123	*	*	*
Red peppers	-	-	-	*	*	*	*	-	-
Swiss chard	*	*	-	-	-	*	*	-	-
<b>Root crops</b>	*	*	-	*	*	13,021	*	*	*
Beetroot	*	*	-	-	-	2,167	*	-	-
Carrot	*	*	-	-	-	*	*	-	-
Onion	-	-	-	-	-	*	*	*	*
Potatoes	-	-	-	*	*	*	*	-	-
Garlic	-	-	-	*	*	*	*	-	-
Taro 'Godere'	-	-	-	*	*	-	-	-	-
Sweet potatoes	-	-	-	-	-	*	*	-	-
<b>Other Temporary</b>	-	-	-	*	*	*	*	*	*
<b>Permanent crops</b>				*	*	26,115	509	*	*
Avocado				-	-	-	-	-	-
Bananas				-	-	5,891	30	-	-
Guava				-	-	*	*	-	-
Lemons				-	-	*	*	-	-
Mangoes				-	-	*	*	-	-
Oranges				-	-	*	*	-	-
Papayas				-	-	-	-	-	-
Pineapples				-	-	-	-	-	-
Chat				-	-	*	*	-	-
Coffee	*	*	-	-	-	4,296	*	*	*
Hops / 'Geshe'				*	*	15,847	149	-	-
Enset				*	*	3,884	*		
Sugar cane				-	-	10,181	224	-	-
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>	375,056	142,118	149,227	194,233	24,293	15,824	8,362	6,611
<b>Cereals</b>	286,525	134,250	147,675	124,750	17,698	14,858	8,216	6,557
Teff	113,057	78,989	76,661	22,289	5,366	10,303	5,713	*
Barley	84,136	8,571	4,735	23,351	4,315	*	*	*
Wheat	56,950	40,903	65,888	16,829	2,600	4,480	1,014	996
Maize	5,627	4,551	*	81,894	4,259	-	-	-
Sorghum	26,107	1,074	*	11,266	1,039	-	-	-
Finger millet	*	*	-	*	*	-	-	-
Oats / 'Aja'	482	*	*	*	*	-	-	-
Rice	-	-	-	-	-	-	-	-
<b>Pulses</b>	76,056	5,965	*	39,595	4,940	*	*	*
Horse / Faba beans	40,189	4,197	*	34,547	4,014	-	-	-
Field Peas	4,006	*	-	*	*	-	-	-
Haricot beans	*	*	-	*	*	-	-	-
Chick peas	*	*	*	2,399	*	-	-	-
Lentils	10,062	*	*	*	*	*	*	*
Vetch / Grass peas	15,840	*	*	*	*	-	-	-
Soya beans	*	*	-	*	*	-	-	-
Fenugreek	*	*	*	*	*	-	-	-
Gibto	*	*	-	*	*	-	-	-
<b>Oilseeds</b>	9,993	*	*	*	*	*	*	*
Neug	6,320	*	*	*	*	*	*	*
Linseed	3,304	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-
Safflower	*	*	*	*	*	-	-	-
Sesame	*	-	-	-	-	-	-	-
Rapeseed	*	*	-	*	*	-	-	-
<b>Vegetables</b>	586	424	*	68,111	405	*	*	*
Lettuce	*	*	-	*	*	-	-	-
Head cabbage	*	*	-	*	*	-	-	-
Ethiopian cabbage	204	145	-	37,186	145	-	-	-
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	177	120	*	20,161	114	*	*	*
Red peppers	*	*	*	8,460	*	*	*	*
Swiss chard	*	*	-	*	*	-	-	-
<b>Root crops</b>	*	*	*	73,132	*	*	*	*
Beetroot	*	*	*	7,455	*	-	-	-
Carrot	*	*	-	4,933	*	-	-	-
Onion	41	*	*	6,744	*	-	-	-
Potatoes	*	*	-	6,040	*	-	-	-
Garlic	428	322	*	62,641	300	*	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-
<b>Other Temporary</b>	248	107	*	29,183	99	*	*	*
<b>Permanent crops</b>	707	332		42,914	332			
Avocado	-	-	-	-	-			
Bananas	*	*	*	*	*			
Guava	-	-	-	-	-			
Lemons	*	*	*	*	*			
Mangoes	-	-	-	-	-			
Oranges	*	*	*	*	*			
Papayas	*	-	-	-	-			
Pineapples	-	-	-	-	-			
Chat	*	*	*	*	*			
Coffee	10	*	*	*	*			
Hops / 'Geshe'	365	207		37,934	207			
Enset	*	*		*	*			
Sugar cane	*	-	-	-	-			
Other permanent	*	*		9,862	*			

(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>	10,057	4,247	2,896	128,693	105,216	139,720	296,304	373,720	432,763
<b>Cereals</b>	9,635	4,240	2,875	126,899	104,095	138,243	281,550	285,344	311,012
Teff	6,435	2,294	1,703	106,777	65,616	71,002	199,698	112,474	67,953
Barley	*	*	*	7,512	1,422	2,364	125,041	83,888	124,792
Wheat	*	*	*	70,218	36,884	64,601	136,414	56,616	105,573
Maize	*	*	*	1,755	*	*	104,275	5,611	3,280
Sorghum	-	-	-	*	*	*	65,414	26,107	8,262
Finger millet	-	-	-	-	-	-	*	*	*
Oats / 'Aja'	-	-	-	*	*	*	9,067	482	963
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	*	*	*	*	*	*	177,110	75,928	118,133
Horse / Faba beans	-	-	-	*	*	*	143,343	40,062	67,944
Field Peas	-	-	-	-	-	-	22,432	4,006	7,495
Haricot beans	-	-	-	-	-	-	*	*	*
Chick peas	*	*	*	*	*	*	21,913	*	*
Lentils	-	-	-	*	*	*	43,457	10,062	*
Vetch / Grass peas	-	-	-	*	*	*	52,424	15,840	22,688
Soya beans	-	-	-	-	-	-	*	*	-
Fenugreek	-	-	-	*	*	*	3,822	*	*
Gibto	-	-	-	-	-	-	*	*	-
<b>Oilseeds</b>	-	-	-	*	*	*	48,821	9,993	3,618
Neug	-	-	-	-	-	-	26,473	6,320	*
Linseed	-	-	-	-	-	-	18,277	3,304	1,780
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	*	*	*	*	*	*
Sesame	-	-	-	-	-	-	*	*	*
Rapeseed	-	-	-	-	-	-	5,708	*	*
<b>Vegetables</b>	-	-	-	*	*	*	98,147	572	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	-	-	-	-	-	-	*	*	-
Ethiopian cabbage	-	-	-	-	-	-	53,657	203	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	*	*	*	29,882	172	-
Red peppers	-	-	-	-	-	-	14,297	*	-
Swiss chard	-	-	-	-	-	-	4,181	*	-
<b>Root crops</b>	-	-	-	2,260	*	*	106,658	*	-
Beetroot	-	-	-	*	*	*	8,381	*	-
Carrot	-	-	-	-	-	-	4,933	*	-
Onion	-	-	-	*	*	*	10,495	41	-
Potatoes	-	-	-	-	-	-	8,214	*	-
Garlic	-	-	-	1,748	*	*	95,723	426	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
<b>Other Temporary</b>	-	-	-	-	-	-	43,356	246	-
<b>Permanent crops</b>							67,306	698	
Avocado							-	-	
Bananas							*	*	
Guava							-	-	
Lemons							*	*	
Mangoes							-	-	
Oranges							*	*	
Papayas							*	*	
Pineapples							-	-	
Chat							2,233	*	
Coffee							4,487	10	
Hops / 'Geshe'							60,064	359	
Enset							*	*	
Sugar cane							*	*	
Other permanent							12,242	*	

(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>	5,020	1,041	*	72,324	48,127	23,978	*	9,436	2,518
<b>Cereals</b>	*	*	*	69,093	47,960	5,669	*	6,170	2,277
Teff	*	*	*	53,620	28,997	3,083	*	2,260	*
Barley	*	*	*	11,373	*	*	*	1,732	*
Wheat	*	*	*	31,547	12,337	*	*	*	*
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>	*	*	-	*	*	10,168	*	*	*
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	-	-	-	*	*	1,713	*	-	-
Hops / 'Geshe'				-	-	9,763	*	-	-
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>	432,375	256,805	330,173	89,193	27,734	59,602	61,405	46,830
<b>Cereals</b>	349,116	240,740	311,666	64,063	24,607	56,959	56,694	42,294
Teff	154,506	128,472	156,474	7,518	2,856	41,303	30,343	20,600
Barley	10,770	6,552	7,781	*	*	9,738	2,716	1,915
Wheat	86,480	76,553	140,088	4,785	1,302	30,131	16,718	15,604
Maize	88,927	28,125	6,487	58,263	19,690	9,176	6,801	4,120
Sorghum	8,011	*	*	*	*	*	*	*
Finger millet	-	-	-	-	-	-	-	-
Oats / 'Aja'	*	*	*	*	*	-	-	-
Rice	-	-	-	-	-	-	-	-
<b>Pulses</b>	71,801	9,840	6,997	10,871	1,199	12,744	4,209	3,015
Horse / Faba beans	8,953	*	*	6,556	699	*	*	*
Field Peas	4,412	*	*	*	*	*	*	*
Haricot beans	22,179	4,758	3,596	4,253	198	5,608	*	1,940
Chick peas	18,066	*	*	-	-	*	*	*
Lentils	11,120	2,060	1,160	-	-	*	*	*
Vetch / Grass peas	6,262	*	*	*	*	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	811	*	*	*	*	*	*	*
Gibto	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	550	*	*	*	*	*	*	*
Neug	-	-	-	-	-	-	-	-
Linseed	*	*	*	*	*	-	-	-
Groundnuts	-	-	-	-	-	-	-	-
Safflower	*	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Rapeseed	*	*	*	*	*	*	*	*
<b>Vegetables</b>	4,267	*	*	15,232	391	-	-	-
Lettuce	*	-	-	-	-	-	-	-
Head cabbage	*	*	-	*	*	-	-	-
Ethiopian cabbage	676	118	*	10,510	115	-	-	-
Tomatoes	*	*	*	2,553	*	-	-	-
Green peppers	*	*	*	5,408	*	-	-	-
Red peppers	*	*	*	2,052	*	-	-	-
Swiss chard	*	*	-	*	*	-	-	-
<b>Root crops</b>	*	*	*	5,759	43	*	*	*
Beetroot	*	-	-	-	-	-	-	-
Carrot	*	-	-	-	-	-	-	-
Onion	*	*	*	*	*	*	*	*
Potatoes	*	*	-	*	*	-	-	-
Garlic	*	21	-	4,042	21	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	*	-	-	-	-	-	-	-
<b>Other Temporary</b>	466	*	*	4,179	*	-	-	-
<b>Permanent crops</b>	3,169	1,625		20,686	*			
Avocado	5	*	*	*	*			
Bananas	*	*	*	*	*			
Guava	*	*	*	*	*			
Lemons	*	*	*	*	*			
Mangoes	*	*	*	*	*			
Oranges	*	*	*	-	-			
Papayas	*	*	*	2,244	*			
Pineapples	-	-	-	-	-			
Chat	*	*	*	*	*			
Coffee	39	*	*	*	*			
Hops / 'Geshe'	2,376	*	*	17,045	*			
Enset	*	*	*	*	*			
Sugar cane	-	-	-	-	-			
Other permanent	*	*	*	*	*			



(Table 1.4.7 cont'd.)

**East Shewa**

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
<b>All</b>	12,831	8,126	6,021	130,204	159,540	277,323	291,205	422,263	459,778
<b>Cereals</b>	9,337	5,379	*	124,611	154,061	265,888	282,277	341,655	369,610
Teff	5,492	*	*	112,975	92,094	134,257	193,863	153,651	113,892
Barley	*	*	*	19,592	3,540	5,815	52,292	10,770	27,792
Wheat	*	*	*	94,693	56,834	123,186	142,239	81,365	160,250
Maize	2,315	*	*	4,358	*	1,850	183,718	87,436	62,978
Sorghum	-	-	-	*	*	*	29,076	8,011	3,867
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	*	*	*	3,673	*	*
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	3,930	*	*	8,567	*	*	157,940	69,245	89,965
Horse / Faba beans	-	-	-	*	*	*	65,702	8,865	14,976
Field Peas	-	-	-	*	*	*	18,011	4,412	5,555
Haricot beans	*	*	*	1,830	*	*	70,679	20,340	24,808
Chick peas	-	-	-	-	-	-	45,783	17,885	25,481
Lentils	*	*	*	2,068	559	*	35,272	10,670	*
Vetch / Grass peas	-	-	-	*	*	*	34,244	6,262	7,714
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	*	*	*	7,783	811	481
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	*	*	*	13,273	550	203
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	*	*	*	4,972	*	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	*	*	*
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	6,950	*	41
<b>Vegetables</b>	*	*	*	*	*	*	52,576	4,256	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	-	-	-	-	-	-	1,387	*	-
Ethiopian cabbage	-	-	-	*	*	*	32,661	676	-
Tomatoes	-	-	-	*	*	*	9,905	*	-
Green peppers	*	*	*	*	*	*	21,293	*	-
Red peppers	-	-	-	*	*	*	4,814	*	-
Swiss chard	-	-	-	-	-	-	*	*	-
<b>Root crops</b>	*	*	*	*	*	*	23,870	*	-
Beetroot	-	-	-	-	-	-	1,569	*	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	*	*	*	*	*	*	7,808	*	-
Potatoes	-	-	-	-	-	-	*	*	-
Garlic	-	-	-	-	-	-	15,447	*	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	*	*	-
<b>Other Temporary</b>	-	-	-	*	*	*	19,826	466	-
<b>Permanent crops</b>							47,666	3,085	
Avocado							1,383	*	
Bananas							2,091	*	
Guava							*	*	
Lemons							*	*	
Mangoes							*	*	
Oranges							1,377	*	
Papayas							4,632	*	
Pineapples							-	-	
Chat							*	*	
Coffee							3,234	*	
Hops / 'Geshe'							38,192	2,365	
Enset							*	*	
Sugar cane							-	-	
Other permanent							2,625	*	

(Table 1.4.7 Cont'd.)

**East Shewa**

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
<b>All</b>	21,209	10,002	13,322	152,846	166,408	15,172	6,720	35,640	49,198
<b>Cereals</b>	15,477	7,461	10,265	146,099	153,605	3,203	*	33,034	41,908
Teff	*	*	*	118,608	92,607	*	*	*	*
Barley	-	-	-	19,246	3,794	-	-	*	*
Wheat	11,695	5,116	8,601	96,216	49,139	-	-	18,491	*
Maize	*	*	*	17,077	7,643	*	*	9,497	6,184
Sorghum	-	-	-	*	*	-	-	-	-
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	*	*	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	4,745	2,468	3,057	19,562	8,189	*	*	*	5,101
Horse / Faba beans	-	-	-	1,419	*	-	-	*	*
Field Peas	-	-	-	4,403	1,600	-	-	*	*
Haricot beans	2,666	*	*	3,034	*	-	-	*	*
Chick peas	*	*	*	*	*	*	*	*	*
Lentils	*	*	*	9,063	3,058	-	-	*	*
Vetch / Grass peas	-	-	-	*	*	-	-	*	*
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	*	*	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
<b>Vegetables</b>	*	*	-	*	*	7,874	*	*	*
Lettuce	-	-	-	-	-	*	*	-	-
Head cabbage	*	*	-	-	-	*	*	*	*
Ethiopian cabbage	-	-	-	*	*	3,087	38	-	-
Tomatoes	-	-	-	*	*	*	*	*	*
Green peppers	-	-	-	*	*	*	*	-	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	*	*	-	*	*	*	*	*	*
<b>Root crops</b>	-	-	-	4,879	*	2,876	*	*	*
Beetroot	-	-	-	*	*	-	-	*	*
Carrot	-	-	-	*	*	-	-	*	*
Onion	-	-	-	4,426	*	2,876	*	*	*
Potatoes	-	-	-	-	-	*	*	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
<b>Other Temporary</b>	-	-	-	*	*	*	*	*	*
<b>Permanent crops</b>	-	-	-	2,341	*	4,760	*	*	*
Avocado	-	-	-	-	-	*	*	-	-
Bananas	-	-	-	*	*	*	*	-	-
Guava	-	-	-	-	-	-	-	-	-
Lemons	-	-	-	-	-	*	*	*	*
Mangoes	-	-	-	-	-	-	-	-	-
Oranges	-	-	-	*	*	-	-	-	-
Papayas	-	-	-	*	*	3,784	*	*	*
Pineapples	-	-	-	-	-	-	-	-	-
Chat	-	-	-	-	-	*	*	-	-
Coffee	*	*	-	*	*	1,460	*	*	*
Hops / 'Geshe'	-	-	-	*	*	*	*	-	-
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>	566,716	354,114	243,595	261,854	47,754	303,147	278,827	221,401
<b>Cereals</b>	413,388	286,727	208,183	153,029	29,899	290,384	231,728	187,791
Teff	91,129	58,296	31,241	21,806	5,248	117,475	46,491	26,467
Barley	106,112	92,385	73,870	34,040	4,050	128,814	74,237	63,153
Wheat	124,896	107,354	96,369	15,123	3,352	194,701	101,250	93,033
Maize	59,573	22,568	4,285	103,862	15,154	49,880	6,185	2,924
Sorghum	25,475	2,973	469	11,306	1,737	4,684	943	409
Finger millet	*	*	*	*	*	*	*	*
Oats / 'Aja'	4,489	2,170	*	3,659	323	13,987	1,677	*
Rice	*	*	*	-	-	*	*	*
<b>Pulses</b>	73,780	43,698	24,848	53,102	5,829	116,779	36,764	24,091
Horse / Faba beans	35,988	26,884	16,109	22,858	2,448	96,235	23,784	15,732
Field Peas	14,455	11,651	7,488	5,116	*	37,351	10,557	7,161
Haricot beans	13,325	1,821	*	11,690	*	*	*	*
Chick peas	*	*	-	*	*	-	-	-
Lentils	835	400	*	-	-	9,537	400	*
Vetch / Grass peas	6,876	*	*	*	*	*	*	*
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	1,555	740	*	6,860	*	4,898	*	84
Gibto	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	50,315	8,221	2,981	13,211	1,327	25,464	5,610	2,527
Neug	3,382	*	*	*	*	*	*	*
Linseed	43,336	5,674	1,663	*	*	13,505	4,009	1,259
Groundnuts	*	*	*	*	*	*	*	*
Safflower	-	-	-	-	-	-	-	-
Sesame	*	*	*	*	*	-	-	-
Rapeseed	3,142	2,220	1,245	8,582	*	11,434	1,560	1,230
<b>Vegetables</b>	1,355	856	*	64,586	729	5,372	*	*
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	*	*	*	*	*	*	*	*
Ethiopian cabbage	866	591	*	44,864	478	*	*	*
Tomatoes	*	*	*	*	*	*	*	*
Green peppers	189	95	*	13,936	92	*	*	*
Red peppers	*	*	-	7,057	*	-	-	-
Swiss chard	*	*	-	*	*	-	-	-
<b>Root crops</b>	7,704	4,749	*	48,592	*	26,371	*	*
Beetroot	*	*	*	8,042	75	*	*	*
Carrot	*	*	*	*	*	*	*	*
Onion	*	*	*	4,822	*	*	*	*
Potatoes	*	*	*	4,946	*	*	*	*
Garlic	604	*	*	27,002	332	*	*	*
Taro 'Godere'	*	-	-	-	-	-	-	-
Sweet potatoes	*	*	-	*	*	-	-	-
<b>Other Temporary</b>	1,368	867	*	63,146	701	*	*	*
<b>Permanent crops</b>	18,805	8,997	*	83,597	*	*	*	*
Avocado	*	*	*	*	*	*	*	*
Bananas	*	365	*	19,695	*	*	*	*
Guava	*	*	*	*	*	*	*	*
Lemons	*	*	*	*	*	*	*	*
Mangoes	*	*	*	*	*	*	*	*
Oranges	316	*	*	*	*	*	*	*
Papayas	79	*	*	*	*	*	*	*
Pineapples	-	-	-	-	-	-	-	-
Chat	4,066	*	*	21,587	*	*	*	*
Coffee	*	4,469	*	34,483	*	*	*	*
Hops / 'Geshe'	655	365	*	24,012	345	*	*	*
Enset	304	197	*	29,300	197	*	*	*
Sugar cane	1,392	*	*	*	*	*	*	*
Other permanent	*	*	*	5,991	*	*	*	*

(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>	27,470	*	*	20,757	7,815	7,607	499,422	549,399	835,620
<b>Cereals</b>	23,990	*	*	19,100	7,428	6,820	468,983	399,302	669,432
Teff	4,310	1,553	1,114	15,764	5,004	3,659	219,985	90,256	65,874
Barley	*	*	*	*	*	*	208,395	101,522	247,898
Wheat	4,387	894	*	5,547	1,858	*	252,156	119,018	292,134
Maize	*	*	*	-	-	-	271,786	56,828	43,005
Sorghum	*	*	*	*	*	*	103,452	25,475	8,948
Finger millet	-	-	-	-	-	-	*	*	*
Oats / 'Aja'	*	*	*	-	-	-	37,134	4,489	8,906
Rice	-	-	-	-	-	-	*	*	*
<b>Pulses</b>	5,044	1,062	*	*	*	*	274,189	73,218	122,459
Horse / Faba beans	3,316	610	*	*	*	*	171,808	35,673	76,444
Field Peas	*	*	*	-	-	-	59,305	14,455	25,713
Haricot beans	-	-	-	-	-	-	80,083	13,078	12,706
Chick peas	-	-	-	-	-	-	*	*	*
Lentils	-	-	-	-	-	-	17,170	835	518
Vetch / Grass peas	*	*	*	-	-	-	31,551	6,876	5,793
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	*	*	*	-	-	-	22,021	1,555	719
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	*	*	*	*	*	*	133,868	49,397	43,728
Neug	-	-	-	-	-	-	19,887	3,382	1,292
Linseed	*	*	*	*	*	*	104,771	42,733	39,947
Groundnuts	-	-	-	-	-	-	*	*	*
Safflower	-	-	-	-	-	-	-	-	-
Sesame	*	*	*	-	-	-	*	*	*
Rapeseed	*	*	*	-	-	-	24,328	2,915	2,323
<b>Vegetables</b>	*	*	*	*	*	*	99,118	1,336	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	*	*	-
Ethiopian cabbage	*	*	*	-	-	-	66,974	858	-
Tomatoes	-	-	-	*	*	*	3,193	*	-
Green peppers	-	-	-	-	-	-	24,485	177	-
Red peppers	-	-	-	-	-	-	11,449	*	-
Swiss chard	-	-	-	-	-	-	*	*	-
<b>Root crops</b>	-	-	-	*	*	*	99,276	6,288	-
Beetroot	-	-	-	-	-	-	10,672	95	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	-	-	-	-	-	-	17,648	*	-
Potatoes	-	-	-	-	-	-	15,437	*	-
Garlic	-	-	-	*	*	*	45,455	604	-
Taro 'Godere'	-	-	-	-	-	-	*	*	-
Sweet potatoes	-	-	-	-	-	-	16,115	*	-
<b>Other Temporary</b>	-	-	-	-	-	-	93,005	1,368	-
<b>Permanent crops</b>							118,505	18,491	
Avocado							*	*	
Bananas							31,468	*	
Guava							*	*	
Lemons							*	*	
Mangoes							*	*	
Oranges							17,219	306	
Papayas							*	79	
Pineapples							-	-	
Chat							43,403	4,066	
Coffee							50,752	*	
Hops / 'Geshe'							36,840	619	
Enset							34,809	291	
Sugar cane							15,195	1,379	
Other permanent							8,874	*	

(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>	47,091	15,884	21,968	262,258	201,354	38,588	8,319	48,384	*
<b>Cereals</b>	35,422	13,604	21,450	255,209	192,138	9,014	*	41,884	34,892
Teff	*	*	*	116,221	50,101	*	*	*	*
Barley	*	*	*	95,181	56,186	*	*	*	*
Wheat	13,887	5,775	12,721	172,640	80,844	*	*	18,708	8,285
Maize	13,159	2,745	725	12,115	*	*	*	8,776	2,753
Sorghum	-	-	-	*	*	*	*	*	*
Finger millet	*	*	-	*	*	-	-	-	-
Oats / 'Aja'	-	-	-	9,389	701	-	-	*	*
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	*	*	*	24,896	7,362	*	*	*	*
Horse / Faba beans	*	*	*	10,750	2,151	-	-	*	*
Field Peas	-	-	-	14,146	*	-	-	*	*
Haricot beans	*	*	*	*	*	*	*	*	*
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	*	*	-	-	*	*
Vetch / Grass peas	-	-	-	*	*	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	*	*
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	3,794	*	*	4,229	*	*	*	*	*
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>	*	*	-	*	*	*	*	3,228	*
Beetroot	*	*	-	*	*	-	-	*	*
Carrot	*	*	-	-	-	*	*	*	*
Onion	-	-	-	-	-	-	-	-	-
Potatoes	*	*	-	-	-	-	-	-	-
Garlic	-	-	-	*	*	-	-	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	*	*	*	*
<b>Other Temporary</b>	-	-	-	*	*	3,738	*	*	*
<b>Permanent crops</b>				*	*	28,944	*	5,392	*
Avocado				-	-	*	*	-	-
Bananas				-	-	*	*	-	-
Guava				-	-	*	*	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	*	*	-	-
Oranges				-	-	*	*	-	-
Papayas				-	-	*	*	-	-
Pineapples				-	-	-	-	-	-
Chat				*	*	*	*	*	*
Coffee	*	*	-	*	*	*	*	*	*
Hops / 'Geshe'				-	-	*	*	*	*
Enset				-	-	*	*	-	-
Sugar cane				*	*	*	*	-	-
Other permanent				*	*	*	*	*	*

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

**West Harerge**

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
<b>All</b>	281,579	130,371	15,633	264,498	116,585	30,606	12,070	12,789
<b>Cereals</b>	196,970	92,298	9,788	235,663	82,269	28,083	9,059	8,422
Teff	8,465	4,265	*	33,141	3,646	*	*	*
Barley	7,487	4,234	*	42,599	2,740	*	*	*
Wheat	*	*	*	19,655	*	*	*	*
Maize	68,512	34,346	5,074	189,049	29,510	19,011	4,240	4,077
Sorghum	105,736	45,563	*	144,799	44,052	6,953	*	*
Finger millet	2,159	551	*	9,332	550	*	*	*
Oats / 'Aja'	*	*	*	*	*	*	*	*
Rice	-	-	-	-	-	-	-	-
<b>Pulses</b>	20,471	8,599	*	93,146	7,895	*	*	*
Horse / Faba beans	2,726	*	*	16,599	*	*	*	*
Field Peas	*	*	-	*	*	-	-	-
Haricot beans	14,632	5,804	*	66,201	5,235	4,484	*	*
Chick peas	*	*	*	*	*	*	*	*
Lentils	657	203	-	6,826	203	-	-	-
Vetch / Grass peas	*	-	-	-	-	-	-	-
Soya beans	*	-	-	-	-	-	-	-
Fenugreek	1,437	658	-	20,718	658	-	-	-
Gibto	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	4,446	1,040	*	23,825	934	*	*	*
Neug	*	-	-	-	-	-	-	-
Linseed	894	171	*	10,244	167	-	-	-
Groundnuts	1,445	467	*	7,285	*	*	*	*
Safflower	*	*	-	*	*	-	-	-
Sesame	*	*	-	*	*	-	-	-
Rapeseed	*	*	*	*	*	*	*	*
<b>Vegetables</b>	1,925	1,467	*	47,505	857	*	*	*
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	*	*	-	-	-
Ethiopian cabbage	*	*	-	3,475	*	-	-	-
Tomatoes	124	*	*	*	*	-	-	-
Green peppers	161	84	-	14,461	84	-	-	-
Red peppers	*	*	*	25,087	629	*	*	*
Swiss chard	-	-	-	-	-	-	-	-
<b>Root crops</b>	7,786	3,183	*	61,188	2,861	*	*	*
Beetroot	*	*	-	*	*	-	-	-
Carrot	*	*	-	*	*	-	-	-
Onion	2,355	1,286	*	23,381	1,149	*	*	*
Potatoes	*	*	*	*	*	-	-	-
Garlic	*	*	*	3,850	*	*	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	4,940	1,805	*	37,795	1,652	*	*	*
<b>Other Temporary</b>	1,298	641	*	45,053	637	-	-	-
<b>Permanent crops</b>	48,682	23,142	*	184,089	21,132	*	*	*
Avocado	*	*	*	*	*	*	*	*
Bananas	963	466	*	40,530	466	*	*	*
Guava	210	*	*	20,394	*	*	*	*
Lemons	*	*	*	7,271	*	*	*	*
Mangoes	186	*	*	9,379	*	*	*	*
Oranges	*	60	*	12,411	60	*	*	*
Papayas	322	*	*	24,437	*	*	*	*
Pineapples	-	-	-	-	-	-	-	-
Chat	30,830	14,585	*	131,972	13,949	*	*	*
Coffee	15,056	7,111	*	77,651	5,740	*	*	*
Hops / 'Geshe'	53	*	*	4,120	*	*	*	*
Enset	*	*	*	*	*	*	*	*
Sugar cane	547	267	*	11,659	267	*	*	*
Other permanent	240	*	*	18,181	*	*	*	*

(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>	3,587	1,138	*	1,452	*	*	350,032	279,090	98,139
<b>Cereals</b>	2,728	584	*	*	*	*	343,674	195,478	81,535
Teff	*	*	*	*	*	*	71,467	8,465	2,664
Barley	*	*	*	-	-	-	86,770	7,434	11,560
Wheat	*	*	*	*	*	*	37,542	*	*
Maize	2,215	*	*	*	*	*	297,252	67,998	28,152
Sorghum	-	-	-	-	-	-	277,081	104,959	28,710
Finger millet	-	-	-	-	-	-	25,578	2,145	451
Oats / 'Aja'	-	-	-	-	-	-	5,069	*	*
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	*	*	*	*	*	*	177,485	20,316	15,266
Horse / Faba beans	-	-	-	-	-	-	34,502	2,724	2,804
Field Peas	-	-	-	-	-	-	7,350	*	*
Haricot beans	*	*	*	*	*	*	132,640	14,478	10,735
Chick peas	-	-	-	*	*	*	7,688	*	492
Lentils	-	-	-	-	-	-	21,011	657	291
Vetch / Grass peas	-	-	-	-	-	-	*	*	*
Soya beans	-	-	-	-	-	-	*	*	*
Fenugreek	-	-	-	-	-	-	37,875	1,437	441
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	*	*	*	60,360	4,446	1,338
Neug	-	-	-	-	-	-	*	*	*
Linseed	-	-	-	*	*	*	29,433	894	189
Groundnuts	-	-	-	-	-	-	19,626	1,445	*
Safflower	-	-	-	-	-	-	*	*	*
Sesame	-	-	-	-	-	-	16,230	*	107
Rapeseed	-	-	-	-	-	-	2,006	*	*
<b>Vegetables</b>	*	*	*	*	*	*	71,462	1,891	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	5,919	*	-
Ethiopian cabbage	-	-	-	-	-	-	4,201	*	-
Tomatoes	*	*	*	-	-	-	9,984	101	-
Green peppers	-	-	-	-	-	-	25,100	161	-
Red peppers	*	*	*	*	*	*	36,444	*	-
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	*	*	*	*	*	*	120,252	7,756	-
Beetroot	-	-	-	-	-	-	*	*	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	*	*	*	-	-	-	46,169	2,355	-
Potatoes	-	-	-	*	*	*	*	*	-
Garlic	-	-	-	-	-	-	4,736	*	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	*	-	-	-	82,572	4,914	-
<b>Other Temporary</b>	*	*	*	-	-	-	64,294	1,291	-
<b>Permanent crops</b>							281,329	47,914	
Avocado							*	*	
Bananas							62,877	963	
Guava							46,525	209	
Lemons							10,771	*	
Mangoes							32,819	184	
Oranges							24,723	*	
Papayas							36,873	315	
Pineapples							-	-	
Chat							240,502	30,429	
Coffee							136,353	14,726	
Hops / 'Geshe'							*	53	
Enset							*	*	
Sugar cane							22,630	528	
Other permanent							37,748	233	

(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>	14,884	*	*	25,341	4,543	62,906	13,605	28,389	10,615
<b>Cereals</b>	3,600	*	*	10,725	*	36,238	*	26,366	8,380
Teff	-	-	-	*	*	*	*	*	*
Barley	-	-	-	*	*	*	*	*	*
Wheat	*	*	*	*	*	*	*	*	*
Maize	*	*	*	2,823	*	28,397	*	17,088	3,279
Sorghum	*	*	*	*	*	19,994	*	4,469	1,050
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	*	*	-	-	*	*
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	*	*	*	*	*	*	*	5,383	*
Horse / Faba beans	-	-	-	*	*	-	-	*	*
Field Peas	-	-	-	-	-	*	*	*	*
Haricot beans	*	*	*	*	*	*	*	3,595	225
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>	*	*	-	*	*	13,907	*	-	-
Beetroot	*	*	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	*	*	-	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	-	*	*	13,074	*	-	-
<b>Other Temporary</b>	*	*	-	-	-	5,477	*	*	*
<b>Permanent crops</b>				16,477	1,244	57,961	5,836	11,895	1,212
Avocado				-	-	*	*	-	-
Bananas				*	*	24,941	436	*	*
Guava				*	*	7,401	36	-	-
Lemons				-	-	6,055	*	-	-
Mangoes				-	-	*	*	-	-
Oranges				-	-	8,646	*	-	-
Papayas				*	*	12,359	40	-	-
Pineapples				-	-	-	-	-	-
Chat				12,087	1,147	35,797	3,076	8,392	669
Coffee	*	*	-	*	*	27,431	1,816	*	*
Hops / 'Geshe'				-	-	*	*	-	-
Enset				*	*	*	*	-	-
Sugar cane				*	*	10,540	302	-	-
Other permanent				*	*	8,315	21	-	-



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>	330,008	190,592	113,172	439,643	134,379	26,803	5,057	8,960
<b>Cereals</b>	213,945	122,598	59,678	378,864	86,913	18,155	*	*
Teff	3,749	*	*	16,441	*	*	*	*
Barley	5,950	2,233	*	32,664	967	*	*	*
Wheat	10,213	3,209	*	25,751	1,086	*	*	*
Maize	68,082	43,949	29,223	280,639	29,884	12,012	*	2,313
Sorghum	125,620	71,220	24,542	230,528	53,567	7,058	897	1,088
Finger millet	*	*	*	*	*	-	-	-
Oats / 'Aja'	267	*	*	*	*	*	*	*
Rice	*	*	-	*	*	-	-	-
<b>Pulses</b>	14,080	6,074	3,526	107,990	4,794	*	*	*
Horse / Faba beans	2,977	514	*	9,367	421	-	-	-
Field Peas	*	*	-	*	*	-	-	-
Haricot beans	8,064	4,449	*	78,827	3,564	-	-	-
Chick peas	*	*	*	*	*	-	-	-
Lentils	*	*	*	*	*	*	*	*
Vetch / Grass peas	*	*	*	-	-	-	-	-
Soya beans	*	-	-	-	-	-	-	-
Fenugreek	1,077	429	*	23,286	248	*	*	*
Gibto	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	20,991	*	*	59,344	*	-	-	-
Neug	-	-	-	-	-	-	-	-
Linseed	1,177	*	*	15,724	*	-	-	-
Groundnuts	19,444	*	*	46,603	*	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	*	*	-	*	*	-	-	-
Rapeseed	*	*	-	*	*	-	-	-
<b>Vegetables</b>	*	*	*	22,034	*	*	*	*
Lettuce	*	*	*	*	*	*	*	*
Head cabbage	*	*	*	*	*	-	-	-
Ethiopian cabbage	*	*	*	-	-	-	-	-
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	*	*	*	*	*	*	*	*
Red peppers	38	*	*	*	*	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
<b>Root crops</b>	16,700	9,069	*	159,302	5,536	5,897	*	*
Beetroot	*	*	*	*	*	-	-	-
Carrot	*	*	*	*	*	*	*	*
Onion	*	*	*	*	*	*	*	*
Potatoes	*	*	*	9,024	*	*	*	*
Garlic	236	*	*	*	*	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	11,510	5,349	3,271	136,182	4,190	*	*	*
<b>Other Temporary</b>	2,128	1,369	*	62,784	1,007	-	-	-
<b>Permanent crops</b>	61,222	36,269	*	329,853	24,838	*	*	*
Avocado	*	*	*	*	*	*	*	*
Bananas	1,166	585	*	62,907	585	*	*	*
Guava	354	81	*	25,513	81	*	*	*
Lemons	*	*	*	*	*	*	*	*
Mangoes	292	*	*	*	*	*	*	*
Oranges	*	12	*	*	12	*	*	*
Papayas	131	92	*	35,193	90	*	*	*
Pineapples	-	-	-	-	-	*	*	*
Chat	48,255	28,277	*	259,763	17,044	*	*	*
Coffee	8,408	5,786	*	113,937	5,673	*	*	*
Hops / 'Geshe'	*	*	*	*	*	*	*	*
Enset	*	-	-	-	-	*	*	*
Sugar cane	1,339	*	*	19,802	*	*	*	*
Other permanent	1,127	*	*	47,659	*	*	*	*

(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>	88,455	36,194	62,739	62,642	14,963	41,473	613,157	316,229	116,341
<b>Cereals</b>	79,100	22,353	31,401	54,673	9,525	21,988	596,571	205,524	90,712
Teff	*	*	*	-	-	-	39,615	3,425	1,092
Barley	6,142	*	*	5,814	*	*	87,010	5,855	8,302
Wheat	*	*	*	6,287	655	*	90,374	9,793	13,955
Maize	51,651	6,715	13,087	43,703	5,468	13,823	450,860	62,318	25,996
Sorghum	40,599	13,992	16,730	17,906	2,763	6,725	434,230	123,803	41,018
Finger millet	*	*	*	-	-	-	2,995	*	*
Oats / 'Aja'	-	-	-	-	-	-	4,736	267	240
Rice	-	-	-	-	-	-	*	*	-
<b>Pulses</b>	12,445	*	*	7,390	*	*	206,653	13,866	10,351
Horse / Faba beans	*	*	*	*	*	*	50,320	2,904	4,338
Field Peas	-	-	-	-	-	-	*	*	*
Haricot beans	*	*	*	*	*	*	136,512	8,001	4,413
Chick peas	*	*	*	-	-	-	*	*	*
Lentils	-	-	-	-	-	-	25,358	*	*
Vetch / Grass peas	-	-	-	*	*	*	*	*	*
Soya beans	-	-	-	-	-	-	*	*	-
Fenugreek	5,816	*	*	*	*	*	57,027	1,069	398
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	*	*	*	*	*	*	122,950	20,837	15,279
Neug	-	-	-	-	-	-	-	-	-
Linseed	*	*	*	-	-	-	41,074	1,177	*
Groundnuts	*	*	*	*	*	*	86,363	19,290	10,033
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	*	*	*
Rapeseed	-	-	-	-	-	-	*	*	-
<b>Vegetables</b>	*	*	*	*	*	*	41,600	*	-
Lettuce	*	*	*	*	*	*	*	*	-
Head cabbage	*	*	*	*	*	*	-	-	-
Ethiopian cabbage	*	*	*	-	-	-	*	*	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	*	*	*	*	*	*	*	*	-
Red peppers	*	*	*	-	-	-	7,594	34	-
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	32,044	*	3,276	17,994	*	*	292,833	15,403	-
Beetroot	-	-	-	*	*	*	*	*	-
Carrot	*	*	*	*	*	*	*	*	-
Onion	*	*	*	*	*	*	31,753	*	-
Potatoes	*	*	*	*	*	*	31,140	*	-
Garlic	*	*	*	*	*	*	23,968	*	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	20,067	589	1,561	11,013	*	*	255,847	11,172	-
<b>Other Temporary</b>	*	*	*	*	*	*	81,447	1,038	-
<b>Permanent crops</b>							505,315	58,804	
Avocado							*	*	
Bananas							100,682	1,154	
Guava							57,140	353	
Lemons							*	*	
Mangoes							31,898	292	
Oranges							8,292	*	
Papayas							42,713	116	
Pineapples							-	-	
Chat							440,380	46,467	
Coffee							154,551	7,876	
Hops / 'Geshe'							*	*	
Enset							*	*	
Sugar cane							47,634	1,297	
Other permanent							99,531	1,100	

(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>	71,479	7,608	1,604	28,918	*	190,638	31,054	50,814	11,513
<b>Cereals</b>	45,889	6,140	1,604	*	*	120,552	12,760	47,079	7,548
Teff	*	*	-	-	-	*	*	*	*
Barley	-	-	-	-	-	*	*	*	*
Wheat	*	*	*	-	-	*	*	*	*
Maize	40,492	5,392	1,375	*	*	84,955	6,371	36,403	4,486
Sorghum	*	*	-	*	*	56,183	5,789	18,482	1,963
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	*	*
<b>Pulses</b>	-	-	-	*	*	18,608	*	5,516	*
Horse / Faba beans	-	-	-	-	-	*	*	-	-
Field Peas	-	-	-	-	-	*	*	-	-
Haricot beans	-	-	-	-	-	*	*	*	*
Chick peas	-	-	-	*	*	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	*	*	*	*
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	*	*	7,599	*	*	*
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>	*	*	-	*	*	79,270	2,369	13,037	421
Beetroot	*	*	-	*	*	*	*	-	-
Carrot	*	*	-	*	*	*	*	*	*
Onion	*	*	-	*	*	*	*	*	*
Potatoes	-	-	-	*	*	*	*	*	*
Garlic	*	*	-	*	*	*	*	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	*	*	64,034	1,799	9,966	223
<b>Other Temporary</b>	*	*	-	*	*	*	*	2,993	*
<b>Permanent crops</b>				*	685	171,338	13,874	33,423	2,556
Avocado				-	-	*	*	-	-
Bananas				*	*	61,916	867	-	-
Guava				-	-	17,650	*	*	*
Lemons				-	-	-	-	-	-
Mangoes				-	-	*	*	*	*
Oranges				-	-	*	*	-	-
Papayas				-	-	*	*	-	-
Pineapples				-	-	-	-	-	-
Chat				*	*	128,050	8,665	29,688	2,335
Coffee	*	*	-	*	*	69,640	2,794	*	*
Hops / 'Gescho'				-	-	-	-	*	*
Enset				-	-	-	-	-	-
Sugar cane				-	-	38,565	1,084	*	*
Other permanent				*	*	24,541	203	*	*

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>	331,154	128,006	80,478	78,146	22,558	92,700	103,842	79,771
<b>Cereals</b>	256,562	121,764	78,493	53,189	18,265	91,102	101,914	77,825
Teff	40,424	5,445	*	14,396	4,380	*	*	*
Barley	24,691	11,572	6,856	6,424	416	35,170	10,959	6,780
Wheat	137,757	88,881	68,477	11,174	4,002	84,183	83,873	67,999
Maize	31,021	7,842	189	38,200	6,795	6,814	*	189
Sorghum	10,668	*	-	10,222	*	-	-	-
Finger millet	-	-	-	-	-	-	-	-
Oats / 'Aja'	11,999	5,413	2,259	*	*	21,842	5,352	2,259
Rice	*	-	-	-	-	-	-	-
<b>Pulses</b>	21,229	1,416	193	9,199	727	2,881	688	193
Horse / Faba beans	5,154	*	*	*	*	*	*	*
Field Peas	6,673	*	*	-	-	*	*	*
Haricot beans	2,474	555	-	6,842	555	-	-	-
Chick peas	*	*	-	*	*	-	-	-
Lentils	1,055	-	-	-	-	-	-	-
Vetch / Grass peas	*	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	*	*	*	*	*	*	*	*
Gibto	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	22,244	*	*	*	*	*	*	*
Neug	*	*	-	*	*	-	-	-
Linseed	13,295	*	*	-	-	*	*	*
Groundnuts	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	*	*	-	*	*	-	-	-
Rapeseed	*	*	-	*	*	-	-	-
<b>Vegetables</b>	*	*	*	9,712	112	*	*	*
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	*	-	-	-	-	-	-	-
Ethiopian cabbage	121	*	-	*	*	-	-	-
Tomatoes	*	-	-	-	-	-	-	-
Green peppers	129	*	-	3,314	*	-	-	-
Red peppers	*	*	*	*	*	*	*	*
Swiss chard	-	-	-	-	-	-	-	-
<b>Root crops</b>	2,255	183	*	6,249	98	*	*	*
Beetroot	*	-	-	-	-	-	-	-
Carrot	*	-	-	-	-	-	-	-
Onion	645	*	*	*	*	-	-	-
Potatoes	*	*	*	*	*	*	*	*
Garlic	*	*	-	*	*	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	*	*	*	*	*	*
<b>Other Temporary</b>	*	138	*	13,640	116	*	*	*
<b>Permanent crops</b>	19,290	2,219		23,427	2,190			
Avocado	*	*		*	*			
Bananas	*	*		6,262	*			
Guava	*	*		*	*			
Lemons	-	-		-	-			
Mangoes	192	*		2,359	*			
Oranges	*	*		*	*			
Papayas	508	*		5,815	*			
Pineapples	-	-		-	-			
Chat	7,833	*		*	*			
Coffee	8,070	*		10,292	*			
Hops / 'Geshe'	*	*		*	*			
Enset	*	*		*	*			
Sugar cane	649	*		2,743	*			
Other permanent	15	*		*	*			

(Table 1.4.11 cont'd.)

<b>Bale</b>									
Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
<b>All</b>	*	*	*	-	-	-	325,462	328,665	460,510
<b>Cereals</b>	*	*	*	-	-	-	300,650	254,327	433,547
Teff	*	*	*	-	-	-	105,189	40,424	14,897
Barley	*	*	*	-	-	-	89,984	24,635	59,710
Wheat	*	*	*	-	-	-	185,389	135,578	319,508
Maize	-	-	-	-	-	-	149,702	31,021	14,794
Sorghum	-	-	-	-	-	-	42,448	10,668	2,449
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	52,039	11,999	22,189
Rice	-	-	-	-	-	-	*	*	-
<b>Pulses</b>	-	-	-	-	-	-	96,841	21,190	18,917
Horse / Faba beans	-	-	-	-	-	-	26,318	5,154	*
Field Peas	-	-	-	-	-	-	26,281	6,673	7,508
Haricot beans	-	-	-	-	-	-	29,783	2,474	839
Chick peas	-	-	-	-	-	-	8,119	*	*
Lentils	-	-	-	-	-	-	11,851	1,055	520
Vetch / Grass peas	-	-	-	-	-	-	*	*	*
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	20,896	*	*
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	-	-	-	55,765	22,172	8,046
Neug	-	-	-	-	-	-	13,311	*	*
Linseed	-	-	-	-	-	-	27,400	13,295	7,299
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	16,157	*	*
Rapeseed	-	-	-	-	-	-	*	*	*
<b>Vegetables</b>	-	-	-	-	-	-	33,975	*	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	3,243	*	-
Ethiopian cabbage	-	-	-	-	-	-	12,670	121	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	9,171	129	-
Red peppers	-	-	-	-	-	-	13,479	*	-
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	*	*	*	-	-	-	42,020	2,251	-
Beetroot	-	-	-	-	-	-	*	*	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	*	*	*	-	-	-	22,234	644	-
Potatoes	-	-	-	-	-	-	8,830	*	-
Garlic	-	-	-	-	-	-	3,231	*	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	*	*	-
<b>Other Temporary</b>	-	-	-	-	-	-	49,868	*	-
<b>Permanent crops</b>	-	-	-	-	-	-	93,612	19,158	-
Avocado	-	-	-	-	-	-	*	*	-
Bananas	-	-	-	-	-	-	25,395	*	-
Guava	-	-	-	-	-	-	*	*	-
Lemons	-	-	-	-	-	-	-	-	-
Mangoes	-	-	-	-	-	-	9,438	191	-
Oranges	-	-	-	-	-	-	*	*	-
Papayas	-	-	-	-	-	-	20,580	508	-
Pineapples	-	-	-	-	-	-	-	-	-
Chat	-	-	-	-	-	-	47,315	7,833	-
Coffee	-	-	-	-	-	-	44,939	8,070	-
Hops / 'Geshe'	-	-	-	-	-	-	*	*	-
Enset	-	-	-	-	-	-	*	*	-
Sugar cane	-	-	-	-	-	-	12,246	649	-
Other permanent	-	-	-	-	-	-	3,932	15	-

(Table 1.4.11 Cont'd.)

**Bale**

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
<b>All</b>	3,972	*	*	156,221	148,102	16,499	3,201	74,076	80,393
<b>Cereals</b>	*	*	*	152,943	143,714	4,407	992	72,063	75,987
Teff	-	-	-	29,549	13,163	-	-	1,765	*
Barley	-	-	-	48,822	14,113	*	*	21,714	6,935
Wheat	*	*	*	124,150	109,450	-	-	65,870	64,798
Maize	-	-	-	3,194	471	*	*	3,672	503
Sorghum	-	-	-	*	*	*	*	*	*
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	23,551	6,369	-	-	*	*
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>				2,613	*	15,356	*	*	*
Avocado				-	-	*	*	-	-
Bananas				-	-	8,446	*	*	*
Guava				-	-	*	*	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	*	*	-	-
Oranges				-	-	*	*	-	-
Papayas				*	*	*	*	-	-
Pineapples				-	-	-	-	-	-
Chat				*	*	*	*	-	-
Coffee	-	-	-	-	-	*	*	-	-
Hops / 'Geshe'				-	-	-	-	-	-
Enset				-	-	-	-	-	-
Sugar cane				*	*	6,389	380	*	*
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>	69,469	17,171	*	60,966	16,490	*	*	*
<b>Cereals</b>	27,477	*	*	24,438	*	*	*	*
Teff	2,176	*	*	1,039	*	*	*	*
Barley	1,147	*	*	*	*	*	*	*
Wheat	942	*	*	*	*	*	*	*
Maize	17,682	*	*	20,027	*	*	*	*
Sorghum	*	*	-	*	*	-	-	-
Finger millet	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
<b>Pulses</b>	10,816	*	-	14,798	*	-	-	-
Horse / Faba beans	*	*	-	*	*	-	-	-
Field Peas	*	*	-	*	*	-	-	-
Haricot beans	9,830	*	-	13,102	*	-	-	-
Chick peas	*	-	-	-	-	-	-	-
Lentils	*	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	*	*	-	*	*	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Gibto	*	*	-	*	*	-	-	-
<b>Oilseeds</b>	*	*	-	*	*	-	-	-
Neug	-	-	-	-	-	-	-	-
Linseed	*	-	-	-	-	-	-	-
Groundnuts	*	*	-	*	*	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Rapeseed	*	*	-	*	*	-	-	-
<b>Vegetables</b>	1,024	478	-	32,487	478	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-
Ethiopian cabbage	938	441	-	31,478	441	-	-	-
Tomatoes	-	-	-	-	-	-	-	-
Green peppers	73	35	-	5,764	35	-	-	-
Red peppers	*	*	-	*	*	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
<b>Root crops</b>	1,107	*	*	11,006	312	*	*	*
Beetroot	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	*	-	-	-	-	-	-	-
Potatoes	*	*	-	*	*	-	-	-
Garlic	*	*	-	*	*	-	-	-
Taro 'Godere'	*	*	-	*	*	-	-	-
Sweet potatoes	991	*	*	7,885	294	*	*	*
<b>Other Temporary</b>	527	192	-	17,313	192	-	-	-
<b>Permanent crops</b>	28,427	7,377	-	40,582	7,374	-	-	-
Avocado	244	125	-	8,292	125	-	-	-
Bananas	1,000	548	-	15,455	548	-	-	-
Guava	*	*	-	*	*	-	-	-
Lemons	*	*	-	*	*	-	-	-
Mangoes	*	*	-	*	*	-	-	-
Oranges	*	*	-	*	*	-	-	-
Papayas	*	*	-	*	*	-	-	-
Pineapples	*	-	-	-	-	-	-	-
Chat	*	*	-	3,372	*	-	-	-
Coffee	15,239	3,679	-	25,053	3,677	-	-	-
Hops / 'Gescho'	*	*	-	*	*	-	-	-
Enset	9,563	2,444	-	31,344	2,444	-	-	-
Sugar cane	371	50	-	4,597	50	-	-	-
Other permanent	73	*	-	1,315	*	-	-	-

(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>	*	*	*	*	*	*	134,434	67,632	15,243
<b>Cereals</b>	*	*	*	*	*	*	91,702	27,091	10,498
Teff	*	*	*	*	*	*	13,915	2,176	1,071
Barley	-	-	-	-	-	-	12,049	1,128	938
Wheat	-	-	-	-	-	-	8,146	942	845
Maize	-	-	-	-	-	-	76,089	17,314	7,353
Sorghum	-	-	-	-	-	-	*	*	*
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	-	-	-	-	-	-	60,251	10,377	4,719
Horse / Faba beans	-	-	-	-	-	-	11,701	*	*
Field Peas	-	-	-	-	-	-	*	*	*
Haricot beans	-	-	-	-	-	-	52,425	9,416	4,062
Chick peas	-	-	-	-	-	-	*	*	*
Lentils	-	-	-	-	-	-	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	*	*	*
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	*	*	*
<b>Oilseeds</b>	-	-	-	-	-	-	2,654	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	*	*	*
Groundnuts	-	-	-	-	-	-	*	*	*
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	2,150	*	*
<b>Vegetables</b>	-	-	-	-	-	-	57,624	1,001	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	55,165	917	-
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	-	12,449	71	-
Red peppers	-	-	-	-	-	-	*	*	-
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	-	-	-	-	-	-	29,272	1,105	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	*	*	-
Potatoes	-	-	-	-	-	-	*	*	-
Garlic	-	-	-	-	-	-	*	*	-
Taro 'Godere'	-	-	-	-	-	-	*	*	-
Sweet potatoes	-	-	-	-	-	-	23,188	989	-
<b>Other Temporary</b>	-	-	-	-	-	-	30,956	520	-
<b>Permanent crops</b>							88,249	27,448	
Avocado							18,545	244	
Bananas							30,987	996	
Guava							1,941	*	
Lemons							*	*	
Mangoes							*	*	
Oranges							*	*	
Papayas							*	*	
Pineapples							*	*	
Chat							14,309	*	
Coffee							70,515	14,434	
Hops / 'Geshe'							*	*	
Enset							76,832	9,393	
Sugar cane							15,042	371	
Other permanent							8,072	73	



(Table 1.4.12 Cont'd.)

**Borena**

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
<b>All</b>	*	1,209	*	*	*	*	*	*	*
<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	-	-	-	-	-	*	*	*	*

Table1.4.13. 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>	314,646	226,747	278,805	183,428	26,930	60,646	35,179	34,581
<b>Cereals</b>	223,550	198,767	262,170	99,874	11,163	54,742	28,878	26,984
Teff	126,100	113,461	141,338	6,316	820	19,737	9,314	6,143
Barley	20,786	19,209	20,316	10,916	*	27,457	12,084	12,940
Wheat	55,849	53,639	95,395	7,504	843	22,184	6,675	7,119
Maize	16,713	11,919	4,721	85,310	7,809	6,632	758	725
Sorghum	4,031	477	*	4,481	*	*	*	*
Finger millet	-	-	-	*	-	-	-	-
Oats / 'Aja'	*	*	*	-	-	*	*	*
Rice	-	-	-	-	-	-	-	-
<b>Pulses</b>	61,959	12,533	11,466	28,269	2,377	23,018	6,167	6,647
Horse / Faba beans	9,961	5,593	3,760	25,514	1,946	14,622	2,920	2,816
Field Peas	6,026	4,814	5,868	*	*	10,791	2,943	3,449
Haricot beans	*	*	*	*	*	*	*	*
Chick peas	26,226	*	*	*	*	-	-	-
Lentils	3,301	816	876	*	*	2,233	*	*
Vetch / Grass peas	13,763	*	*	*	*	-	-	-
Soya beans	*	*	*	-	-	-	-	-
Fenugreek	*	*	*	*	*	*	*	*
Gibto	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	11,858	475	338	17,001	308	1,163	*	39
Neug	5,541	*	-	*	*	-	-	-
Linseed	5,902	*	*	*	*	-	-	-
Groundnuts	-	-	-	-	-	-	-	-
Safflower	*	*	*	*	*	-	-	-
Sesame	*	-	-	-	-	-	-	-
Rapeseed	390	305	190	16,127	264	1,163	*	39
<b>Vegetables</b>	*	*	*	113,529	595	2,110	*	*
Lettuce	*	*	-	*	*	-	-	-
Head cabbage	*	*	*	14,946	26	*	*	*
Ethiopian cabbage	439	428	*	91,025	417	*	*	*
Tomatoes	*	*	*	*	*	*	*	*
Green peppers	162	139	*	56,781	133	*	*	*
Red peppers	*	*	*	-	-	*	*	*
Swiss chard	2	2	-	1,891	2	-	-	-
<b>Root crops</b>	1,139	*	*	51,344	251	*	*	*
Beetroot	43	36	*	16,313	22	*	*	*
Carrot	4	2	*	3,056	2	-	-	-
Onion	*	*	*	*	22	*	*	*
Potatoes	273	196	*	13,137	124	*	*	*
Garlic	103	82	*	21,326	74	*	*	*
Taro 'Godere'	*	*	-	*	*	-	-	-
Sweet potatoes	5	5	-	2,329	5	-	-	-
<b>Other Temporary</b>	579	336	*	40,627	245	-	-	-
<b>Permanent crops</b>	13,266	12,024		137,934	11,990			
Avocado	*	*		1,654	*			
Bananas	86	61		9,252	61			
Guava	*	*		*	*			
Lemons	*	*		*	*			
Mangoes	*	*		*	*			
Oranges	*	*		*	*			
Papayas	26	20		6,351	20			
Pineapples	-	-		-	-			
Chat	1,702	1,404		35,387	1,395			
Coffee	271	218		21,506	208			
Hops / 'Geshe'	830	567		51,926	559			
Enset	10,181	9,604		116,649	9,597			
Sugar cane	*	*		15,405	*			
Other permanent	20	*		5,633	*			

(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>	12,345	4,002	4,098	153,614	160,636	240,127	231,141	309,135	338,845
<b>Cereals</b>	10,390	3,038	2,591	151,631	155,689	232,595	220,675	218,625	248,436
Teff	4,155	1,028	470	126,077	102,300	134,726	163,702	125,655	77,041
Barley	*	*	*	23,325	5,183	6,540	62,339	20,514	47,204
Wheat	3,994	719	724	102,628	45,402	87,551	134,798	53,256	112,383
Maize	*	*	*	13,639	2,707	3,501	128,700	15,098	10,105
Sorghum	-	-	-	*	*	*	28,274	4,031	1,431
Finger millet	-	-	-	-	-	-	*	-	*
Oats / 'Aja'	*	*	*	-	-	-	*	*	*
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	3,318	*	962	18,098	3,461	3,857	149,438	61,454	85,132
Horse / Faba beans	*	*	*	5,132	678	774	81,523	9,814	22,390
Field Peas	*	*	*	*	*	*	26,110	5,758	12,218
Haricot beans	*	*	*	*	*	*	8,708	*	*
Chick peas	*	*	*	*	*	*	71,471	26,146	30,999
Lentils	-	-	-	7,781	576	540	33,431	3,301	3,129
Vetch / Grass peas	-	-	-	*	*	*	66,698	13,763	14,521
Soya beans	-	-	-	*	*	*	*	*	*
Fenugreek	-	-	-	*	*	*	11,749	*	*
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	*	*	*	1,634	*	195	57,120	11,858	5,278
Neug	-	-	-	-	-	-	19,714	5,541	997
Linseed	*	*	*	*	*	*	22,310	5,902	4,106
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	*	*	*	*	*	*
Sesame	-	-	-	-	-	-	*	*	-
Rapeseed	*	*	*	*	*	*	23,479	390	166
<b>Vegetables</b>	*	*	*	*	*	*	129,413	*	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	*	*	*	*	*	*	18,418	*	-
Ethiopian cabbage	*	*	*	*	*	*	96,517	439	-
Tomatoes	-	-	-	*	*	*	*	*	-
Green peppers	*	*	*	*	*	*	67,397	162	-
Red peppers	*	*	*	*	*	*	*	*	-
Swiss chard	-	-	-	-	-	-	1,891	2	-
<b>Root crops</b>	*	*	*	5,444	*	*	66,985	1,122	-
Beetroot	*	*	*	*	*	*	21,829	43	-
Carrot	*	*	*	-	-	-	4,426	4	-
Onion	*	*	*	*	*	*	14,669	*	-
Potatoes	-	-	-	*	*	*	17,923	256	-
Garlic	*	*	*	*	*	*	29,206	102	-
Taro 'Godere'	-	-	-	-	-	-	*	*	-
Sweet potatoes	-	-	-	-	-	-	2,329	5	-
<b>Other Temporary</b>	*	*	*	*	*	*	54,376	550	-
<b>Permanent crops</b>							150,256	13,232	
Avocado							2,952	*	
Bananas							11,926	*	
Guava							*	*	
Lemons							*	*	
Mangoes							*	*	
Oranges							1,783	*	
Papayas							7,419	25	
Pineapples							-	-	
Chat							43,653	1,702	
Coffee							23,674	253	
Hops / 'Geshe'							69,086	830	
Enset							124,092	10,175	
Sugar cane							16,270	*	
Other permanent							8,241	20	

(Table 1.4.13 Cont'd.)

**South West Shewa**

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
<b>All</b>	12,947	5,468	6,541	150,590	136,705	17,571	2,502	22,244	12,588
<b>Cereals</b>	10,218	4,913	6,031	147,642	132,842	4,053	*	18,788	11,455
Teff	*	*	*	110,266	76,217	*	*	5,993	3,253
Barley	*	*	*	35,358	11,872	-	-	*	*
Wheat	5,535	2,593	4,871	94,207	41,607	*	*	9,768	*
Maize	*	*	*	8,623	2,325	*	*	6,096	*
Sorghum	-	-	-	2,217	*	*	*	*	*
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	*	*	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	1,182	*	*	7,553	2,090	*	*	2,000	*
Horse / Faba beans	*	*	*	1,372	*	-	-	1,130	*
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>	-	-	-	2,012	*	*	*	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	*	*	1,050	*	*	*
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>	-	-	-	*	*	*	*	1,096	*
<b>Permanent crops</b>				*	*	11,998	*	2,716	132
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>	149,410	47,472	9,602	104,424	38,180	11,676	5,080	*
<b>Cereals</b>	76,738	20,149	7,871	50,193	11,236	11,333	4,771	5,418
Teff	10,667	919	*	*	*	*	*	*
Barley	18,810	6,160	1,542	21,354	4,816	3,777	*	*
Wheat	*	*	*	5,643	*	*	*	*
Maize	32,499	6,036	*	33,801	3,775	*	*	*
Sorghum	*	*	-	*	*	-	-	-
Finger millet	*	*	-	*	*	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
<b>Pulses</b>	19,598	4,753	*	34,011	4,375	*	*	*
Horse / Faba beans	7,539	2,210	*	23,388	2,035	*	*	*
Field Peas	3,048	852	*	5,201	649	*	*	*
Haricot beans	8,862	*	-	9,545	*	-	-	-
Chick peas	*	*	-	*	*	-	-	-
Lentils	*	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	*	-	-	-	-	-	-	-
Fenugreek	*	*	-	*	*	-	-	-
Gibto	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	*	*	-	*	*	-	-	-
Neug	-	-	-	-	-	-	-	-
Linseed	*	*	-	*	*	-	-	-
Groundnuts	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Rapeseed	*	*	-	*	*	-	-	-
<b>Vegetables</b>	1,725	1,001	*	67,751	1,000	*	*	*
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	*	*	-	-	-
Ethiopian cabbage	1,593	956	*	65,690	955	*	*	*
Tomatoes	-	-	-	-	-	-	-	-
Green peppers	111	42	-	8,937	42	-	-	-
Red peppers	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
<b>Root crops</b>	512	*	-	7,228	*	-	-	-
Beetroot	*	*	-	*	*	-	-	-
Carrot	*	*	-	*	*	-	-	-
Onion	12	*	-	*	*	-	-	-
Potatoes	*	*	-	*	*	-	-	-
Garlic	*	*	-	*	*	-	-	-
Taro 'Godere'	*	*	-	*	*	-	-	-
Sweet potatoes	401	*	-	*	*	-	-	-
<b>Other Temporary</b>	546	344	-	26,839	344	-	-	-
<b>Permanent crops</b>	50,260	21,056	-	81,923	21,056	-	-	-
Avocado	438	*	-	*	*	-	-	-
Bananas	1,006	*	-	*	*	-	-	-
Guava	*	-	-	-	-	-	-	-
Lemons	*	-	-	-	-	-	-	-
Mangoes	-	-	-	-	-	-	-	-
Oranges	*	-	-	-	-	-	-	-
Papayas	*	-	-	-	-	-	-	-
Pineapples	-	-	-	-	-	-	-	-
Chat	354	56	-	2,408	56	-	-	-
Coffee	15,072	*	-	29,600	*	-	-	-
Hops / 'Geshe'	*	*	-	*	*	-	-	-
Enset	32,172	14,761	-	77,795	14,761	-	-	-
Sugar cane	1,063	*	-	3,784	*	-	-	-
Other permanent	62	24	-	*	24	-	-	-

(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>	*	*	*	*	*	*	222,346	144,677	84,221
<b>Cereals</b>	*	*	*	*	*	*	163,883	73,577	67,826
Teff	-	-	-	-	-	-	35,602	10,608	4,961
Barley	*	*	*	-	-	-	57,277	18,810	25,985
Wheat	*	*	*	-	-	-	35,364	*	*
Maize	*	*	*	*	*	*	114,347	29,432	12,714
Sorghum	-	-	-	-	-	-	*	*	*
Finger millet	-	-	-	-	-	-	*	*	*
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	*	*	*	-	-	-	99,550	19,573	16,384
Horse / Faba beans	-	-	-	-	-	-	55,870	7,539	8,756
Field Peas	*	*	*	-	-	-	20,279	3,048	3,625
Haricot beans	-	-	-	-	-	-	38,984	8,838	*
Chick peas	-	-	-	-	-	-	*	*	*
Lentils	-	-	-	-	-	-	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	*	*	-
Fenugreek	-	-	-	-	-	-	*	*	-
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	-	-	-	2,765	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	*	*	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	*	*	*
<b>Vegetables</b>	-	-	-	-	-	-	111,054	1,715	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	*	*	-
Ethiopian cabbage	-	-	-	-	-	-	106,879	1,584	-
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	-	15,873	111	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	-	-	-	-	-	-	21,530	497	-
Beetroot	-	-	-	-	-	-	*	*	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	-	-	-	-	-	-	*	*	-
Potatoes	-	-	-	-	-	-	*	*	-
Garlic	-	-	-	-	-	-	*	*	-
Taro 'Godere'	-	-	-	-	-	-	*	*	-
Sweet potatoes	-	-	-	-	-	-	13,912	396	-
<b>Other Temporary</b>	-	-	-	-	-	-	46,058	540	-
<b>Permanent crops</b>							179,763	48,744	
Avocado							21,003	430	
Bananas							23,158	984	
Guava							*	*	
Lemons							*	*	
Mangoes							-	-	
Oranges							*	*	
Papayas							*	*	
Pineapples							-	-	
Chat							9,300	347	
Coffee							75,482	13,895	
Hops / 'Gescho'							2,422	*	
Enset							170,065	31,891	
Sugar cane							14,232	1,063	
Other permanent							6,532	39	

(Table 1.4.14 Cont'd.)

**Guji**

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
<b>All</b>	12,404	4,232	*	7,691	*	*	*	7,742	*
<b>Cereals</b>	*	*	*	*	*	-	-	6,024	*
Teff	-	-	-	*	*	-	-	*	*
Barley	-	-	-	*	*	-	-	-	-
Wheat	-	-	-	*	*	-	-	*	*
Maize	*	*	*	*	*	-	-	5,290	*
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	4,505	1,085	-	*	*	-	-	*	*
Hops / 'Gescho'	-	-	-	-	-	-	-	-	-
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>	170,299	20,103	8,095	52,289	13,433	4,413	1,246	653
<b>Cereals</b>	111,259	16,562	7,914	36,774	10,154	4,008	1,099	569
Teff	10,926	*	507	*	*	*	*	*
Barley	2,459	244	-	3,921	244	-	-	-
Wheat	7,201	*	*	3,737	*	*	*	*
Maize	40,950	10,730	7,222	33,642	5,893	*	*	*
Sorghum	31,515	1,041	*	*	*	*	*	*
Finger millet	18,156	*	*	*	*	*	*	*
Oats / 'Aja'	*	*	-	*	*	-	-	-
Rice	*	-	-	-	-	-	-	-
<b>Pulses</b>	16,261	1,483	*	18,887	1,453	*	*	*
Horse / Faba beans	4,367	563	*	9,050	540	*	*	*
Field Peas	2,360	*	-	*	*	-	-	-
Haricot beans	5,903	169	*	8,667	169	*	*	*
Chick peas	3,185	*	-	*	*	-	-	-
Lentils	*	-	-	-	-	-	-	-
Vetch / Grass peas	*	*	-	*	*	-	-	-
Soya beans	*	*	-	*	*	-	-	-
Fenugreek	354	70	*	*	*	*	*	*
Gibto	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	6,461	*	*	*	*	*	*	*
Neug	3,140	*	*	*	*	*	*	*
Linseed	362	*	-	*	*	-	-	-
Groundnuts	*	*	-	*	*	-	-	-
Safflower	*	-	-	-	-	-	-	-
Sesame	*	*	-	*	*	-	-	-
Rapeseed	*	-	-	-	-	-	-	-
<b>Vegetables</b>	4,318	388	*	18,528	256	*	*	*
Lettuce	*	*	-	*	*	-	-	-
Head cabbage	92	*	*	1,965	*	*	*	*
Ethiopian cabbage	174	34	*	6,906	33	-	-	-
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	37	*	-	*	*	-	-	-
Red peppers	3,958	314	*	14,407	192	*	*	*
Swiss chard	*	*	-	*	*	-	-	-
<b>Root crops</b>	2,059	*	*	13,979	*	-	-	-
Beetroot	17	*	-	978	*	-	-	-
Carrot	*	*	-	790	*	-	-	-
Onion	*	*	-	*	*	-	-	-
Potatoes	*	*	-	*	*	-	-	-
Garlic	*	*	-	*	*	-	-	-
Taro 'Godere'	178	12	-	3,142	12	-	-	-
Sweet potatoes	1,143	*	*	3,369	*	-	-	-
<b>Other Temporary</b>	885	248	-	10,660	248	-	-	-
<b>Permanent crops</b>	29,056	646	-	22,508	646	-	-	-
Avocado	*	*	-	*	*	-	-	-
Bananas	829	113	-	10,003	113	-	-	-
Guava	*	-	-	-	-	-	-	-
Lemons	*	-	-	-	-	-	-	-
Mangoes	214	*	-	1,957	*	-	-	-
Oranges	18	*	-	*	*	-	-	-
Papayas	48	*	-	*	*	-	-	-
Pineapples	-	-	-	-	-	-	-	-
Chat	779	*	-	3,525	*	-	-	-
Coffee	26,238	321	*	9,146	321	-	-	-
Hops / 'Geshe'	85	*	-	2,750	*	-	-	-
Enset	482	136	-	10,797	136	-	-	-
Sugar cane	265	*	-	*	*	-	-	-
Other permanent	*	*	-	781	*	-	-	-



(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>	*	*	*	19,612	*	*	369,831	328,507	448,057
<b>Cereals</b>	*	*	*	*	*	*	321,348	250,357	403,528
Teff	*	*	*	2,091	*	*	36,708	11,105	6,650
Barley	*	*	*	3,757	*	*	151,066	78,535	164,450
Wheat	*	*	*	*	*	*	138,043	98,599	202,092
Maize	*	*	*	2,415	*	*	164,933	55,477	26,546
Sorghum	*	*	*	-	-	-	29,694	3,601	1,038
Finger millet	*	*	*	*	*	*	23,566	2,052	1,529
Oats / 'Aja'	-	-	-	-	-	-	*	*	*
Rice	-	-	-	-	-	-	*	*	*
<b>Pulses</b>	-	-	-	*	*	*	94,879	20,729	29,973
Horse / Faba beans	-	-	-	-	-	-	23,294	3,688	6,821
Field Peas	-	-	-	-	-	-	12,654	*	*
Haricot beans	-	-	-	*	*	*	64,297	13,019	14,978
Chick peas	-	-	-	-	-	-	*	*	*
Lentils	-	-	-	-	-	-	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	*	*	*
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	*	*	*
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	*	*	*	-	-	-	54,137	20,904	14,556
Neug	-	-	-	-	-	-	-	-	-
Linseed	*	*	*	-	-	-	34,499	18,722	12,487
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	12,644	*	*
Rapeseed	-	-	-	-	-	-	12,633	*	*
<b>Vegetables</b>	-	-	-	-	-	-	136,216	2,576	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	-	-	-	-	-	-	11,489	*	-
Ethiopian cabbage	-	-	-	-	-	-	124,450	1,827	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	23,302	*	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	*	*	-
<b>Root crops</b>	-	-	-	*	*	*	99,371	11,184	-
Beetroot	-	-	-	-	-	-	13,468	*	-
Carrot	-	-	-	-	-	-	4,859	*	-
Onion	-	-	-	-	-	-	*	*	-
Potatoes	-	-	-	*	*	*	66,851	9,970	-
Garlic	-	-	-	-	-	-	19,079	*	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	3,449	13	-
<b>Other Temporary</b>	-	-	-	-	-	-	62,596	1,332	-
<b>Permanent crops</b>							142,297	21,425	
Avocado							5,065	*	
Bananas							*	*	
Guava							-	-	
Lemons							-	-	
Mangoes							*	*	
Oranges							-	-	
Papayas							*	*	
Pineapples							-	-	
Chat							3,780	*	
Coffee							*	*	
Hops / 'Geshe'							*	*	
Enset							134,058	17,044	
Sugar cane							*	*	
Other permanent							4,989	*	

(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>	17,355	4,895	1,055	26,716	6,964	7,779	629	12,955	3,547
<b>Cereals</b>	16,764	4,880	1,055	24,072	6,749	*	*	12,411	3,532
Teff	-	-	-	7,472	*	-	-	*	*
Barley	-	-	-	*	*	-	-	-	-
Wheat	-	-	-	*	*	-	-	-	-
Maize	16,764	4,880	1,055	*	*	*	*	11,819	3,357
Sorghum	-	-	-	3,918	*	-	-	-	-
Finger millet	-	-	-	9,534	1,657	-	-	*	*
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>	*	*	-	796	*	*	*	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	*	*	-	-
Tomatoes	*	*	-	-	-	*	*	-	-
Green peppers	-	-	-	-	-	*	*	-	-
Red peppers	-	-	-	796	*	*	*	*	*
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	*	*	-	*	*	*	*	*	*
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	*	*	*	*	-	-
Potatoes	-	-	-	*	*	*	*	-	-
Garlic	-	-	-	-	-	*	*	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	-	*	*	*	*	*	*
<b>Other Temporary</b>	-	-	-	*	*	*	*	*	*
<b>Permanent crops</b>	-	-	-	*	*	4,518	233	*	*
Avocado	-	-	-	-	-	-	-	-	-
Bananas	-	-	-	*	*	*	*	*	*
Guava	-	-	-	-	-	-	-	-	-
Lemons	-	-	-	-	-	-	-	-	-
Mangoes	-	-	-	-	-	-	-	-	-
Oranges	-	-	-	-	-	-	-	-	-
Papayas	-	-	-	-	-	*	*	-	-
Pineapples	-	-	-	-	-	-	-	-	-
Chat	-	-	-	-	-	*	*	-	-
Coffee	*	*	-	*	*	1,177	*	-	-
Hops / 'Geshe'	-	-	-	-	-	-	-	-	-
Enset	-	-	-	*	*	*	*	-	-
Sugar cane	-	-	-	-	-	2,755	*	-	-
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>	233,081	138,858	174,944	73,123	12,368	62,240	62,273	60,488
<b>Cereals</b>	166,436	125,940	164,123	47,107	7,381	60,409	56,104	55,553
Teff	70,297	58,593	53,965	5,071	*	55,381	48,116	45,956
Barley	9,277	2,375	1,152	8,970	996	2,554	301	253
Wheat	35,497	31,109	45,298	2,552	493	12,559	4,051	4,904
Maize	43,104	33,719	63,677	39,588	3,939	12,629	3,563	4,416
Sorghum	6,632	*	-	*	*	-	-	-
Finger millet	*	*	*	*	*	609	*	*
Oats / 'Aja'	*	*	*	*	*	-	-	-
Rice	-	-	-	-	-	-	-	-
<b>Pulses</b>	14,357	5,987	3,789	23,293	2,571	10,622	2,648	2,939
Horse / Faba beans	8,920	3,563	2,073	15,736	1,835	8,092	1,306	1,643
Field Peas	4,806	2,162	1,475	5,876	632	4,884	1,220	1,077
Haricot beans	*	-	-	-	-	-	-	-
Chick peas	*	*	-	*	*	-	-	-
Lentils	*	*	*	-	-	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	*	*	*	*	*	-	-	-
Fenugreek	94	63	*	8,596	59	*	*	*
Gibto	*	*	*	-	-	*	*	*
<b>Oilseeds</b>	49,651	5,850	6,648	16,099	1,425	7,175	3,454	1,835
Neug	44,390	4,517	*	*	*	3,695	*	*
Linseed	*	*	*	*	*	*	*	*
Groundnuts	*	*	*	-	-	-	-	-
Safflower	*	*	*	-	-	-	-	-
Sesame	*	-	-	-	-	-	-	-
Rapeseed	1,678	1,175	5,441	14,224	508	3,767	162	806
<b>Vegetables</b>	506	243	*	29,099	194	*	*	*
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	8	3	-	1,965	3	-	-	-
Ethiopian cabbage	29	*	-	1,154	*	-	-	-
Tomatoes	-	-	-	-	-	-	-	-
Green peppers	173	127	*	19,715	115	*	*	*
Red peppers	295	99	*	8,519	62	*	*	*
Swiss chard	*	*	-	*	*	-	-	-
<b>Root crops</b>	530	269	*	35,292	263	*	*	*
Beetroot	25	17	*	7,662	17	-	-	-
Carrot	7	5	*	1,919	4	-	-	-
Onion	48	24	-	7,394	24	-	-	-
Potatoes	*	*	-	2,319	*	-	-	-
Garlic	169	112	*	29,547	106	*	*	*
Taro 'Godere'	*	-	-	-	-	-	-	-
Sweet potatoes	*	*	-	1,100	*	-	-	-
<b>Other Temporary</b>	240	156	*	17,289	145	*	*	*
<b>Permanent crops</b>	1,362	414		29,219	389			
Avocado	-	-	-	-	-	-	-	-
Bananas	56	*		3,174	*			
Guava	-	-	-	-	-	-	-	-
Lemons	*	*	*	*	*			
Mangoes	*	*	*	*	*			
Oranges	*	-	-	-	-			
Papayas	*	*	*	*	*			
Pineapples	-	-	-	-	-			
Chat	57	23		3,924	23			
Coffee	*	9		1,875	9			
Hops / 'Geshe'	569	304		23,995	281			
Enset	7	*		*	*			
Sugar cane	150	*		727	*			
Other permanent	*	*		2,029	*			

(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>	3,893	1,016	745	70,666	63,202	113,711	107,140	209,487	193,454
<b>Cereals</b>	3,605	984	734	70,374	61,472	107,835	105,987	142,914	162,052
Teff	*	*	*	13,992	8,265	7,865	83,142	70,218	65,349
Barley	*	*	*	4,786	1,073	*	32,462	9,277	15,558
Wheat	610	*	*	47,745	26,337	40,258	66,608	35,289	71,801
Maize	2,322	*	*	50,906	25,787	58,813	83,951	19,869	7,565
Sorghum	-	-	-	-	-	-	12,174	6,632	*
Finger millet	-	-	-	-	-	-	5,982	*	266
Oats / 'Aja'	-	-	-	*	*	*	*	*	*
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	-	-	-	2,817	767	850	61,939	14,356	18,650
Horse / Faba beans	-	-	-	1,929	422	429	52,459	8,919	12,283
Field Peas	-	-	-	1,187	*	398	27,374	4,806	5,656
Haricot beans	-	-	-	-	-	-	*	*	*
Chick peas	-	-	-	-	-	-	*	*	*
Lentils	-	-	-	-	-	-	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	*	*	*	*	*	*
Fenugreek	-	-	-	*	*	*	13,884	94	*
Gibto	-	-	-	-	-	-	*	*	*
<b>Oilseeds</b>	*	*	*	7,487	946	4,808	77,624	49,602	12,752
Neug	-	-	-	*	*	*	62,509	44,390	10,817
Linseed	*	*	*	*	*	*	6,956	*	*
Groundnuts	-	-	-	*	*	*	*	*	*
Safflower	-	-	-	*	*	*	*	*	*
Sesame	-	-	-	-	-	-	3,814	*	96
Rapeseed	*	*	*	6,465	498	4,630	31,859	1,630	232
<b>Vegetables</b>	*	*	-	*	*	*	50,939	504	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	3,420	8	-
Ethiopian cabbage	-	-	-	-	-	-	3,476	28	-
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	*	*	*	28,187	172	-
Red peppers	*	*	-	-	-	-	20,573	295	-
Swiss chard	-	-	-	-	-	-	*	*	-
<b>Root crops</b>	*	*	*	731	2	*	56,001	530	-
Beetroot	-	-	-	*	*	*	9,629	25	-
Carrot	-	-	-	*	*	*	2,352	7	-
Onion	-	-	-	-	-	-	11,348	48	-
Potatoes	-	-	-	-	-	-	4,933	*	-
Garlic	*	*	*	731	*	*	45,249	169	-
Taro 'Godere'	-	-	-	-	-	-	*	*	-
Sweet potatoes	-	-	-	-	-	-	*	*	-
<b>Other Temporary</b>	-	-	-	*	*	*	27,343	235	-
<b>Permanent crops</b>							56,413	1,346	
Avocado							-	-	
Bananas							6,786	56	
Guava							-	-	
Lemons							*	*	
Mangoes							*	*	
Oranges							*	*	
Papayas							*	*	
Pineapples							-	-	
Chat							8,498	57	
Coffee							8,456	*	
Hops / 'Geshe'							43,757	554	
Enset							1,313	7	
Sugar cane							4,068	150	
Other permanent							3,872	*	

(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>	46,300	23,570	5,697	42,197	44,430	5,856	1,203	45,429	25,209
<b>Cereals</b>	46,012	23,520	5,697	40,951	43,838	2,683	677	44,996	24,632
Teff	*	*	*	32,904	24,108	*	*	1,588	622
Barley	-	-	-	*	*	*	*	-	-
Wheat	577	*	*	28,020	17,203	*	*	3,252	1,163
Maize	45,724	23,234	5,479	*	*	1,242	403	43,974	22,846
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>	*	*	-	*	*	*	*	5,539	499
Neug	-	-	-	*	*	*	*	*	*
Linseed	-	-	-	*	*	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	*	*
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	*	*	-	*	*	-	-	5,107	429
<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	-	-	-	-	-	*	104	-	-
Other permanent	-	-	-	-	-	-	-	-	-

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>	340,585	228,514	153,175	201,636	37,419	228,073	179,927	139,435
<b>Cereals</b>	261,044	189,409	131,374	61,522	13,719	213,777	165,916	119,934
Teff	11,341	4,602	1,761	*	*	12,581	3,447	1,423
Barley	78,659	56,762	39,194	14,044	*	102,189	52,209	37,971
Wheat	100,160	83,429	56,340	6,871	*	104,222	73,366	47,904
Maize	64,194	41,954	32,094	40,667	6,255	105,452	34,862	30,750
Sorghum	3,648	1,082	*	5,052	*	5,817	*	*
Finger millet	2,052	1,115	*	*	*	*	*	*
Oats / 'Aja'	*	*	*	-	-	*	*	*
Rice	*	*	*	-	-	*	*	*
<b>Pulses</b>	20,786	6,744	5,707	18,286	1,508	26,550	4,996	5,417
Horse / Faba beans	3,738	1,124	*	5,257	238	5,583	*	*
Field Peas	*	*	*	2,068	*	*	*	*
Haricot beans	13,025	4,820	4,917	11,609	*	19,179	3,531	4,628
Chick peas	*	-	-	-	-	-	-	-
Lentils	*	*	*	-	-	*	*	*
Vetch / Grass peas	*	*	*	-	-	*	*	*
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	*	*	*	*	*	*	*	*
Gibto	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	21,460	1,881	1,454	6,493	137	5,906	*	*
Neug	-	-	-	-	-	-	-	-
Linseed	18,853	*	*	*	*	*	*	*
Groundnuts	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	*	66	*	*	*	*	*	*
Rapeseed	*	*	*	*	*	*	*	*
<b>Vegetables</b>	2,632	1,823	*	102,733	1,377	*	*	*
Lettuce	*	*	-	*	*	-	-	-
Head cabbage	*	*	*	3,766	*	*	*	*
Ethiopian cabbage	1,883	1,364	*	99,209	1,295	*	*	*
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	*	41	-	13,232	41	-	-	-
Red peppers	-	-	-	-	-	-	-	-
Swiss chard	*	*	-	*	*	-	-	-
<b>Root crops</b>	11,305	8,480	12,471	29,488	817	44,056	7,062	10,988
Beetroot	*	*	*	5,498	48	*	*	*
Carrot	*	*	*	*	*	*	*	*
Onion	*	*	-	*	*	-	-	-
Potatoes	10,074	7,745	11,930	10,949	448	38,508	6,696	10,447
Garlic	*	*	*	14,898	*	*	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	13	*	-	*	*	-	-	-
<b>Other Temporary</b>	1,460	818	*	43,131	664	*	*	*
<b>Permanent crops</b>	21,898	19,359		128,673	19,197			
Avocado	*	*		*	*			
Bananas	*	*		*	*			
Guava	-	-		-	-			
Lemons	-	-		-	-			
Mangoes	*	*		*	*			
Oranges	-	-		-	-			
Papayas	*	*		*	*			
Pineapples	-	-		-	-			
Chat	*	*		3,262	*			
Coffee	*	*		*	*			
Hops / 'Geshe'	*	*		*	*			
Enset	17,226	15,619		123,785	15,564			
Sugar cane	*	*		*	*			
Other permanent	*	*		3,570	*			

(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>	*	*	*	19,612	*	*	369,831	328,507	448,057
<b>Cereals</b>	*	*	*	*	*	*	321,348	250,357	403,528
Teff	*	*	*	2,091	*	*	36,708	11,105	6,650
Barley	*	*	*	3,757	*	*	151,066	78,535	164,450
Wheat	*	*	*	*	*	*	138,043	98,599	202,092
Maize	*	*	*	2,415	*	*	164,933	55,477	26,546
Sorghum	*	*	*	-	-	-	29,694	3,601	1,038
Finger millet	*	*	*	*	*	*	23,566	2,052	1,529
Oats / 'Aja'	-	-	-	-	-	-	*	*	*
Rice	-	-	-	-	-	-	*	*	*
<b>Pulses</b>	-	-	-	*	*	*	94,879	20,729	29,973
Horse / Faba beans	-	-	-	-	-	-	23,294	3,688	6,821
Field Peas	-	-	-	-	-	-	12,654	*	*
Haricot beans	-	-	-	*	*	*	64,297	13,019	14,978
Chick peas	-	-	-	-	-	-	*	*	*
Lentils	-	-	-	-	-	-	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	*	*	*
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	*	*	*
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	*	*	*	-	-	-	54,137	20,904	14,556
Neug	-	-	-	-	-	-	-	-	-
Linseed	*	*	*	-	-	-	34,499	18,722	12,487
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	12,644	*	*
Rapeseed	-	-	-	-	-	-	12,633	*	*
<b>Vegetables</b>	-	-	-	-	-	-	136,216	2,576	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	-	-	-	-	-	-	11,489	*	-
Ethiopian cabbage	-	-	-	-	-	-	124,450	1,827	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	23,302	*	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	*	*	-
<b>Root crops</b>	-	-	-	*	*	*	99,371	11,184	-
Beetroot	-	-	-	-	-	-	13,468	*	-
Carrot	-	-	-	-	-	-	4,859	*	-
Onion	-	-	-	-	-	-	*	*	-
Potatoes	-	-	-	*	*	*	66,851	9,970	-
Garlic	-	-	-	-	-	-	19,079	*	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	3,449	13	-
<b>Other Temporary</b>	-	-	-	-	-	-	62,596	1,332	-
<b>Permanent crops</b>							142,297	21,425	
Avocado							5,065	*	
Bananas							*	*	
Guava							-	-	
Lemons							-	-	
Mangoes							*	*	
Oranges							-	-	
Papayas							*	*	
Pineapples							-	-	
Chat							3,780	*	
Coffee							*	*	
Hops / 'Geshe'							*	*	
Enset							134,058	17,044	
Sugar cane							*	*	
Other permanent							4,989	*	

(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>	34,233	11,325	6,893	171,006	144,177	2,902	*	111,030	100,639
<b>Cereals</b>	30,448	10,513	6,357	167,108	142,406	*	*	110,088	97,947
Teff	*	*	*	22,223	7,708	-	-	*	*
Barley	-	-	-	85,349	42,588	-	-	50,031	30,063
Wheat	4,114	1,561	3,469	121,966	90,284	-	-	69,779	56,110
Maize	27,222	8,716	2,831	*	*	*	*	35,056	8,804
Sorghum	-	-	-	*	*	-	-	*	*
Finger millet	-	-	-	*	*	-	-	-	-
Oats / 'Aja'	-	-	-	*	*	-	-	*	*
Rice	-	-	-	-	-	-	-	*	*
<b>Pulses</b>	-	-	-	*	*	-	-	5,646	984
Horse / Faba beans	-	-	-	-	-	-	-	*	*
Field Peas	-	-	-	-	-	-	-	*	*
Haricot beans	-	-	-	*	*	-	-	*	*
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	*	*
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	*	*
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	*	*	*	-	-	-	-	2,739	*
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>				*	*	*	*	3,750	*
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>	86,348	5,199	*	11,454	*	-	-	-
<b>Cereals</b>	75,746	*	*	10,664	*	-	-	-
Teff	*	-	-	-	-	-	-	-
Barley	1,748	-	-	-	-	-	-	-
Wheat	*	-	-	-	-	-	-	-
Maize	36,876	*	*	8,827	*	-	-	-
Sorghum	33,993	*	*	*	*	-	-	-
Finger millet	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
<b>Pulses</b>	1,008	*	*	*	*	-	-	-
Horse / Faba beans	-	-	-	-	-	-	-	-
Field Peas	*	-	-	-	-	-	-	-
Haricot beans	973	*	*	*	*	-	-	-
Chick peas	*	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	*	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	*	*	*	*	*	-	-	-
Neug	-	-	-	-	-	-	-	-
Linseed	*	-	-	-	-	-	-	-
Groundnuts	*	*	*	*	*	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	*	*	*	*	*	-	-	-
Rapeseed	-	-	-	-	-	-	-	-
<b>Vegetables</b>	702	*	-	*	*	-	-	-
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>	6,927	322	-	2,129	310	-	-	-
Avocado	*	*	-	*	*	-	-	-
Bananas	*	-	-	-	-	-	-	-
Guava	*	*	-	*	*	-	-	-
Lemons	*	*	-	*	*	-	-	-
Mangoes	*	*	-	*	*	-	-	-
Oranges	86	*	-	*	*	-	-	-
Papayas	*	-	-	-	-	-	-	-
Pineapples	-	-	-	-	-	-	-	-
Chat	6,488	*	-	1,616	*	-	-	-
Coffee	*	-	-	-	-	-	-	-
Hops / 'Geshe'	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-
Sugar cane	*	*	-	*	*	-	-	-
Other permanent	*	*	-	*	*	-	-	-

(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>	*	*	*	*	*	*	116,341	85,188	31,395
<b>Cereals</b>	*	*	*	*	*	*	113,507	75,564	30,494
Teff	-	-	-	-	-	-	*	*	*
Barley	-	-	-	-	-	-	7,374	1,748	989
Wheat	-	-	-	-	-	-	12,817	*	2,037
Maize	*	*	*	-	-	-	90,796	36,726	15,622
Sorghum	*	*	*	*	*	*	67,534	33,961	11,801
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	-	-	-	*	*	*	12,325	1,001	367
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	*	*	*
Haricot beans	-	-	-	*	*	*	11,584	966	362
Chick peas	-	-	-	-	-	-	*	*	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	*	*	*
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	*	*	*	*	*	*	*	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	*	*	*
Groundnuts	*	*	*	*	*	*	*	*	*
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	*	*	*	*	*	*
Rapeseed	-	-	-	-	-	-	-	-	-
<b>Vegetables</b>	-	-	-	-	-	-	7,985	699	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	*	*	-
Ethiopian cabbage	-	-	-	-	-	-	*	*	-
Tomatoes	-	-	-	-	-	-	5,739	*	-
Green peppers	-	-	-	-	-	-	*	*	-
Red peppers	-	-	-	-	-	-	*	*	-
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	-	-	-	-	-	-	4,457	396	-
Beetroot	-	-	-	-	-	-	*	*	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	3,348	*	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	*	*	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	925	*	-
<b>Other Temporary</b>	-	-	-	-	-	-	*	*	-
<b>Permanent crops</b>							23,301	6,131	
Avocado							*	*	
Bananas							*	*	
Guava							825	*	
Lemons							1,301	*	
Mangoes							1,397	*	
Oranges							1,410	85	
Papayas							*	*	
Pineapples							-	-	
Chat							19,785	5,694	
Coffee							*	*	
Hops / 'Geshe'							-	-	
Enset							-	-	
Sugar cane							*	*	
Other permanent							1,649	*	

(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>	*	*	-	*	*	6,941	2,476	*	*
<b>Cereals</b>	-	-	-	*	57	5,474	1,724	*	*
Teff	-	-	-	-	-	*	*	-	-
Barley	-	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	*	*	-	-
Maize	-	-	-	*	*	3,860	964	-	-
Sorghum	-	-	-	*	*	2,310	752	*	*
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>	-	-	-	-	-	781	*	-	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	*	*	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	-	-	-	-	-	735	*	-	-
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>	-	-	-	*	*	3,564	423	*	*
Avocado	-	-	-	-	-	*	*	-	-
Bananas	-	-	-	-	-	*	*	-	-
Guava	-	-	-	-	-	*	*	-	-
Lemons	-	-	-	-	-	1,118	*	*	*
Mangoes	-	-	-	-	-	918	*	-	-
Oranges	-	-	-	*	*	1,127	62	-	-
Papayas	-	-	-	-	-	*	*	-	-
Pineapples	-	-	-	-	-	-	-	-	-
Chat	-	-	-	-	-	1,731	209	-	-
Coffee	-	-	-	-	-	*	*	-	-
Hops / 'Gescho'	-	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	*	*	-	-
Other permanent	-	-	-	*	*	770	*	-	-

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>	2,766	464	*	1,955	446	-	-	-
<b>Cereals</b>	2,378	369	*	1,479	351	-	-	-
Teff	*	-	-	-	-	-	-	-
Barley	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-
Maize	433	*	-	*	*	-	-	-
Sorghum	1,942	235	*	991	221	-	-	-
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>	344	*	-	*	*	-	-	-
Avocado	*	*	-	*	*	-	-	-
Bananas	*	-	-	-	-	-	-	-
Guava	*	-	-	-	-	-	-	-
Lemons	*	*	-	*	*	-	-	-
Mangoes	*	*	-	*	*	-	-	-
Oranges	64	*	-	*	*	-	-	-
Papayas	-	-	-	-	-	-	-	-
Pineapples	-	-	-	-	-	-	-	-
Chat	*	*	-	330	*	-	-	-
Coffee	*	-	-	-	-	-	-	-
Hops / 'Geshe'	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-
Sugar cane	*	*	-	*	*	-	-	-
Other permanent	*	*	-	*	*	-	-	-

(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>	*	*	-	*	*	*	8,257	2,761	580
<b>Cereals</b>	*	*	-	*	*	*	7,927	2,378	579
Teff	-	-	-	-	-	-	*	*	-
Barley	-	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-	-
Maize	*	*	-	-	-	-	2,548	433	118
Sorghum	-	-	-	*	*	*	6,829	1,942	460
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>							2,336	340	
Avocado							*	*	
Bananas							*	*	
Guava							*	*	
Lemons							1,301	*	
Mangoes							880	*	
Oranges							1,219	62	
Papayas							-	-	
Pineapples							-	-	
Chat							*	*	
Coffee							*	*	
Hops / 'Geshe'							-	-	
Enset							-	-	
Sugar cane							*	*	
Other permanent							907	*	

(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>	*	*	-	229	*	2,945	1,268	*	*
<b>Cereals</b>	-	-	-	*	*	2,615	908	-	-
Teff	-	-	-	-	-	*	*	-	-
Barley	-	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-	-
Maize	-	-	-	*	*	*	*	-	-
Sorghum	-	-	-	*	*	2,310	752	-	-
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>	-	-	-	*	*	2,245	316	*	*
Avocado	-	-	-	-	-	*	*	-	-
Bananas	-	-	-	-	-	*	*	-	-
Guava	-	-	-	-	-	*	*	-	-
Lemons	-	-	-	-	-	1,118	*	*	*
Mangoes	-	-	-	-	-	788	*	-	-
Oranges	-	-	-	*	*	1,127	62	-	-
Papayas	-	-	-	-	-	-	-	-	-
Pineapples	-	-	-	-	-	-	-	-	-
Chat	-	-	-	-	-	*	*	-	-
Coffee	-	-	-	-	-	*	*	-	-
Hops / 'Geshe'	-	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	*	*	-	-
Other permanent	-	-	-	-	-	770	*	-	-

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>	77,726	*	*	*	*	-	-	-
<b>Cereals</b>	68,072	*	*	*	*	-	-	-
Teff	*	-	-	-	-	-	-	-
Barley	1,607	-	-	-	-	-	-	-
Wheat	*	-	-	-	-	-	-	-
Maize	31,494	*	*	*	*	-	-	-
Sorghum	31,846	*	*	*	*	-	-	-
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>	701	*	-	*	*	-	-	-
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>	6,571	*	-	*	*	-	-	-
Avocado	-	-	-	-	-	-	-	-
Bananas	-	-	-	-	-	-	-	-
Guava	*	*	-	*	*	-	-	-
Lemons	-	-	-	-	-	-	-	-
Mangoes	-	-	-	-	-	-	-	-
Oranges	*	-	-	-	-	-	-	-
Papayas	*	-	-	-	-	-	-	-
Pineapples	-	-	-	-	-	-	-	-
Chat	6,353	*	-	*	*	-	-	-
Coffee	*	-	-	-	-	-	-	-
Hops / 'Geshe'	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	-	-	-
Other permanent	*	-	-	-	-	-	-	-

(Table 1.5.2 cont'd.)

**Jijiga**

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
<b>All</b>	*	*	*	*	*	*	87,814	76,578	29,134
<b>Cereals</b>	*	*	*	*	*	*	86,347	67,891	28,426
Teff	-	-	-	-	-	-	*	*	*
Barley	-	-	-	-	-	-	7,244	1,607	964
Wheat	-	-	-	-	-	-	12,817	*	2,037
Maize	*	*	*	-	-	-	69,785	31,344	14,066
Sorghum	*	*	*	*	*	*	60,065	31,814	11,315
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	-	-	-	*	*	*	5,584	*	175
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	*	*	*
Haricot beans	-	-	-	*	*	*	4,842	*	*
Chick peas	-	-	-	-	-	-	*	*	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	*	*	*
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	*	*	*	*	*	*	*	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	*	*	*
Groundnuts	*	*	*	*	*	*	*	*	*
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	*	*	*	*	*	*
Rapeseed	-	-	-	-	-	-	-	-	-
<b>Vegetables</b>	-	-	-	-	-	-	7,755	698	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	*	*	-
Ethiopian cabbage	-	-	-	-	-	-	*	*	-
Tomatoes	-	-	-	-	-	-	5,555	*	-
Green peppers	-	-	-	-	-	-	*	*	-
Red peppers	-	-	-	-	-	-	*	*	-
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	-	-	-	-	-	-	2,754	*	-
Beetroot	-	-	-	-	-	-	*	*	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	*	*	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	*	*	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	*	*	-
<b>Other Temporary</b>	-	-	-	-	-	-	*	*	-
<b>Permanent crops</b>							19,548	5,780	
Avocado							-	-	
Bananas							-	-	
Guava							*	*	
Lemons							-	-	
Mangoes							-	-	
Oranges							*	*	
Papayas							*	*	
Pineapples							-	-	
Chat							18,431	5,562	
Coffee							*	*	
Hops / 'Geshe'							-	-	
Enset							-	-	
Sugar cane							-	-	
Other permanent							742	*	



(Table 1.5.2 Cont'd.)

**Jijiga**

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
<b>All</b>	*	*	-	*	*	1,101	*	*	*
<b>Cereals</b>	-	-	-	-	-	734	*	*	*
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	-	-	-	*	*	-	-	-	-

Table1.5.3 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>	5,856	*	-	*	*	-	-	-
<b>Cereals</b>	5,296	*	-	*	*	-	-	-
Teff	-	-	-	-	-	-	-	-
Barley	*	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-
Maize	4,949	*	-	*	*	-	-	-
Sorghum	*	-	-	-	-	-	-	-
Finger millet	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
<b>Pulses</b>	438	*	-	*	*	-	-	-
Horse / Faba beans	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-
Haricot beans	438	*	-	*	*	-	-	-
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**

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
<b>All</b>	-	-	-	-	-	-	20,269	5,849	1,681
<b>Cereals</b>	-	-	-	-	-	-	19,233	5,296	1,489
Teff	-	-	-	-	-	-	-	-	-
Barley	-	-	-	-	-	-	*	*	*
Wheat	-	-	-	-	-	-	-	-	-
Maize	-	-	-	-	-	-	18,464	4,949	1,438
Sorghum	-	-	-	-	-	-	*	*	*
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	-	-	-	-	-	-	6,741	430	193
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	-	6,741	430	193
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**

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
<b>All</b>	-	-	-	*	*	*	*	-	-
<b>Cereals</b>	-	-	-	*	*	*	456	-	-
Teff	-	-	-	-	-	-	-	-	-
Barley	-	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-	-
Maize	-	-	-	*	*	*	456	-	-
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	-	-	-	-	-	-	-	-	-

Table1.6 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>	198,195	34,143	18,611	69,638	15,210	16,606	13,488	10,247
<b>Cereals</b>	142,470	30,092	18,111	55,279	11,903	15,226	13,133	9,879
Teff	18,871	9,967	5,699	3,683	978	12,781	8,633	5,573
Barley	1,276	*	*	1,585	285	*	*	*
Wheat	3,426	*	*	*	272	3,955	*	*
Maize	31,046	12,586	7,982	51,256	7,981	3,876	757	*
Sorghum	59,829	2,087	*	7,410	2,086	-	-	-
Finger millet	27,519	1,412	424	1,287	248	*	*	*
Oats / 'Aja'	*	*	-	*	*	-	-	-
Rice	421	111	49	*	*	*	*	*
<b>Pulses</b>	10,430	1,081	232	13,056	884	1,549	188	222
Horse / Faba beans	951	352	*	3,384	257	597	*	*
Field Peas	650	*	*	*	*	*	*	*
Haricot beans	6,156	137	*	5,567	127	*	*	*
Chick peas	446	*	*	2,272	*	*	*	*
Lentils	*	*	*	*	*	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	1,992	230	65	2,050	179	*	*	*
Fenugreek	13	*	-	*	*	-	-	-
Gibto	*	*	-	*	*	-	-	-
<b>Oilseeds</b>	39,089	1,508	146	8,434	1,087	752	*	*
Neug	12,100	531	*	2,545	*	*	*	*
Linseed	586	*	*	1,638	*	*	*	*
Groundnuts	5,460	113	*	1,857	111	-	-	-
Safflower	34	8	*	*	*	-	-	-
Sesame	20,800	669	49	1,562	342	*	*	*
Rapeseed	108	*	*	2,406	*	*	*	-
<b>Vegetables</b>	1,230	627	50	24,850	525	*	*	*
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	18	*	-	2,237	*	-	-	-
Ethiopian cabbage	27	17	-	2,756	17	-	-	-
Tomatoes	*	*	-	688	*	-	-	-
Green peppers	81	8	*	1,555	8	*	*	*
Red peppers	1,085	573	49	21,698	471	*	*	*
Swiss chard	*	-	-	-	-	-	-	-
<b>Root crops</b>	624	166	30	11,703	149	*	*	*
Beetroot	*	*	-	*	*	-	-	-
Carrot	*	*	-	618	*	-	-	-
Onion	41	*	*	3,034	*	*	*	*
Potatoes	126	*	*	*	*	*	*	*
Garlic	71	33	*	3,944	32	*	*	*
Taro 'Godere'	11	*	-	*	*	-	-	-
Sweet potatoes	353	67	*	5,912	59	*	*	*
<b>Other Temporary</b>	1,886	293	*	16,732	290	*	*	*
<b>Permanent crops</b>	2,465	376		17,488	372			
Avocado	*	*		*	*			
Bananas	375	54		4,926	54			
Guava	*	*		*	*			
Lemons	19	2		680	2			
Mangoes	514	60		6,425	57			
Oranges	32	2		*	2			
Papayas	50	7		2,959	7			
Pineapples	*	-		-	-			
Chat	275	84		3,863	84			
Coffee	800	112		6,669	111			
Hops / 'Geshe'	*	19		3,099	19			
Enset	2	*		*	*			
Sugar cane	80	*		1,750	*			
Other permanent	*	*		*	*			

(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>	5,571	1,554	565	5,734	3,891	7,800	159,847	195,302	59,895
<b>Cereals</b>	3,010	1,189	457	5,436	3,868	7,776	157,017	140,490	46,003
Teff	*	*	*	-	-	-	39,696	18,804	9,687
Barley	-	-	-	*	*	*	6,047	1,276	1,614
Wheat	-	-	-	*	*	*	6,902	3,425	*
Maize	1,386	441	250	5,343	3,407	7,280	130,703	29,231	7,740
Sorghum	*	*	*	-	-	-	108,434	59,751	11,880
Finger millet	614	339	53	-	-	-	51,257	27,499	9,812
Oats / 'Aja'	-	-	-	-	-	-	*	*	*
Rice	192	52	25	*	*	*	1,698	421	404
<b>Pulses</b>	*	*	*	*	*	*	63,630	10,312	5,229
Horse / Faba beans	-	-	-	-	-	-	7,500	951	918
Field Peas	-	-	-	-	-	-	3,259	650	428
Haricot beans	*	*	*	-	-	-	40,720	6,088	2,668
Chick peas	-	-	-	-	-	-	5,898	446	105
Lentils	-	-	-	-	-	-	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	*	*	*	*	*	*	12,514	1,941	998
Fenugreek	-	-	-	-	-	-	947	13	*
Gibto	-	-	-	-	-	-	*	*	*
<b>Oilseeds</b>	826	298	56	*	*	*	105,067	38,388	8,663
Neug	-	-	-	-	-	-	36,983	12,098	2,001
Linseed	*	*	*	-	-	-	11,481	586	181
Groundnuts	*	*	*	-	-	-	29,439	5,460	3,775
Safflower	103	*	*	-	-	-	1,209	34	2
Sesame	738	291	42	*	*	*	65,528	20,112	2,695
Rapeseed	*	*	*	-	-	-	3,423	98	9
<b>Vegetables</b>	2,086	*	*	*	*	*	57,720	1,225	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	3,468	18	-
Ethiopian cabbage	-	-	-	-	-	-	4,391	27	-
Tomatoes	-	-	-	-	-	-	1,882	*	-
Green peppers	-	-	-	-	-	-	8,094	81	-
Red peppers	2,086	*	*	*	*	*	48,390	1,080	-
Swiss chard	-	-	-	-	-	-	*	*	-
<b>Root crops</b>	*	*	*	-	-	-	38,138	623	-
Beetroot	-	-	-	-	-	-	1,687	*	-
Carrot	-	-	-	-	-	-	1,083	*	-
Onion	-	-	-	-	-	-	5,677	41	-
Potatoes	-	-	-	-	-	-	5,076	126	-
Garlic	*	*	*	-	-	-	7,393	70	-
Taro 'Godere'	-	-	-	-	-	-	2,150	11	-
Sweet potatoes	*	*	*	-	-	-	26,941	353	-
<b>Other Temporary</b>	*	*	*	-	-	-	55,318	1,872	-
<b>Permanent crops</b>							69,574	2,392	
Avocado							971	*	
Bananas							21,772	373	
Guava							3,396	*	
Lemons							4,904	19	
Mangoes							44,255	514	
Oranges							7,254	31	
Papayas							14,891	50	
Pineapples							*	*	
Chat							13,829	273	
Coffee							19,117	732	
Hops / 'Geshe'							13,481	*	
Enset							462	2	
Sugar cane							3,928	80	
Other permanent							4,656	*	

(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>	8,441	2,705	583	12,275	8,508	8,585	923	8,560	7,072
<b>Cereals</b>	2,788	1,839	364	10,541	8,270	569	263	6,736	5,656
Teff	-	-	-	3,323	2,533	*	*	*	*
Barley	-	-	-	*	*	-	-	*	*
Wheat	-	-	-	*	*	*	*	*	*
Maize	2,638	1,814	363	*	354	*	*	4,948	3,327
Sorghum	*	*	*	281	103	*	*	*	*
Finger millet	*	*	-	5,982	5,120	-	-	*	*
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	*	*	-	-	320	101
<b>Pulses</b>	619	118	*	*	*	-	-	855	247
Horse / Faba beans	-	-	-	-	-	-	-	*	*
Field Peas	-	-	-	*	*	-	-	*	*
Haricot beans	*	*	*	*	*	-	-	*	*
Chick peas	-	-	-	*	*	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	*	*	*	*	*	-	-	443	*
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	*	*	*	382	61	*	*	1,393	*
Neug	-	-	-	*	*	*	*	*	*
Linseed	-	-	-	*	*	*	*	*	*
Groundnuts	-	-	-	*	*	-	-	*	*
Safflower	-	-	-	*	*	-	-	*	*
Sesame	*	*	*	*	*	-	-	*	*
Rapeseed	-	-	-	-	-	-	-	*	*
<b>Vegetables</b>	*	*	-	*	*	*	*	330	5
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	*	*	*	*	*	*
Ethiopian cabbage	*	*	-	-	-	-	-	-	-
Tomatoes	-	-	-	*	*	*	*	-	-
Green peppers	-	-	-	-	-	*	*	-	-
Red peppers	*	*	-	-	-	*	*	237	4
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	*	*	-	421	*	*	*	*	*
Beetroot	*	*	-	-	-	*	*	*	*
Carrot	-	-	-	-	-	*	*	-	-
Onion	-	-	-	*	*	*	*	*	*
Potatoes	-	-	-	*	*	*	*	-	-
Garlic	-	-	-	-	-	*	*	*	*
Taro 'Godere'	-	-	-	-	-	*	*	*	*
Sweet potatoes	-	-	-	*	*	*	*	*	*
<b>Other Temporary</b>	-	-	-	*	*	*	*	566	*
<b>Permanent crops</b>				*	*	7,694	*	*	*
Avocado				-	-	-	-	-	-
Bananas				*	*	4,659	*	*	*
Guava				-	-	*	*	*	*
Lemons				-	-	*	*	-	-
Mangoes				*	*	1,631	*	88	*
Oranges				*	*	*	*	-	-
Papayas				-	-	747	*	*	*
Pineapples				-	-	-	-	-	-
Chat				*	*	*	26	*	*
Coffee	4,442	*	-	-	-	*	*	-	-
Hops / 'Geshe'				-	-	*	*	*	*
Enset				-	-	-	-	-	-
Sugar cane				-	-	2,622	*	-	-
Other permanent				-	-	*	*	*	*

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

**Metekel**

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
<b>All</b>	95,861	22,123	17,176	28,141	7,003	8,708	11,000	9,610
<b>Cereals</b>	72,215	20,751	16,930	21,977	5,865	8,708	10,772	9,365
Teff	13,869	7,529	5,352	*	*	7,591	6,824	5,250
Barley	1,165	*	*	1,525	284	*	*	*
Wheat	3,352	*	*	*	270	3,955	*	*
Maize	11,990	7,471	7,297	19,290	3,675	*	*	*
Sorghum	19,763	*	-	*	*	-	-	-
Finger millet	22,003	*	*	*	*	*	*	*
Oats / 'Aja'	*	*	-	*	*	-	-	-
Rice	*	*	*	-	-	*	*	*
<b>Pulses</b>	5,552	590	*	5,261	455	984	*	*
Horse / Faba beans	892	352	*	3,384	257	597	*	*
Field Peas	*	*	*	*	*	*	*	*
Haricot beans	3,609	*	-	1,251	*	-	-	-
Chick peas	*	*	-	*	*	-	-	-
Lentils	*	*	*	*	*	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	*	*	-	*	*	-	-	-
Fenugreek	*	-	-	-	-	-	-	-
Gibto	*	-	-	-	-	-	-	-
<b>Oilseeds</b>	16,177	434	*	2,312	347	589	*	*
Neug	4,610	*	*	*	*	*	*	*
Linseed	*	*	*	411	*	*	*	*
Groundnuts	3,331	*	-	*	*	-	-	-
Safflower	*	-	-	-	-	-	-	-
Sesame	7,906	*	-	*	*	-	-	-
Rapeseed	97	*	-	*	*	*	*	-
<b>Vegetables</b>	414	172	*	8,349	168	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	*	*	-	-	-
Ethiopian cabbage	*	*	-	*	*	-	-	-
Tomatoes	*	-	-	-	-	-	-	-
Green peppers	*	*	-	*	*	-	-	-
Red peppers	397	161	*	7,650	157	-	-	-
Swiss chard	*	-	-	-	-	-	-	-
<b>Root crops</b>	265	94	*	5,476	87	*	*	*
Beetroot	*	*	-	*	*	-	-	-
Carrot	*	*	-	*	*	-	-	-
Onion	19	*	*	*	*	*	*	*
Potatoes	116	*	*	*	*	*	*	*
Garlic	63	*	*	3,480	*	*	*	*
Taro 'Godere'	*	*	-	*	*	-	-	-
Sweet potatoes	*	*	-	*	*	-	-	-
<b>Other Temporary</b>	518	*	-	2,009	*	-	-	-
<b>Permanent crops</b>	*	*	-	3,087	*	-	-	-
Avocado	-	-	-	-	-	-	-	-
Bananas	*	*	*	*	*	-	-	-
Guava	*	-	-	-	-	-	-	-
Lemons	*	*	*	*	*	-	-	-
Mangoes	37	*	*	1,105	*	-	-	-
Oranges	*	-	-	-	-	-	-	-
Papayas	12	*	*	*	*	-	-	-
Pineapples	-	-	-	-	-	-	-	-
Chat	*	*	*	*	*	-	-	-
Coffee	*	*	*	*	*	-	-	-
Hops / 'Geshe'	*	*	-	795	*	-	-	-
Enset	-	-	-	-	-	-	-	-
Sugar cane	*	*	*	*	*	-	-	-
Other permanent	*	*	*	*	*	-	-	-



(Table 1.6.1 cont'd.)

**Metekel**

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
<b>All</b>	888	566	285	4,720	3,553	7,280	52,764	93,364	38,773
<b>Cereals</b>	787	562	284	4,720	3,553	7,280	51,517	70,488	30,670
Teff	*	*	*	-	-	-	17,885	13,802	8,519
Barley	-	-	-	*	*	*	4,477	1,165	1,519
Wheat	-	-	-	*	*	*	6,070	3,352	*
Maize	464	*	169	4,627	3,099	6,792	38,511	10,329	2,965
Sorghum	-	-	-	-	-	-	22,793	19,763	4,718
Finger millet	*	*	*	-	-	-	27,169	22,003	8,139
Oats / 'Aja'	-	-	-	-	-	-	*	*	*
Rice	-	-	-	-	-	-	*	*	*
<b>Pulses</b>	-	-	-	-	-	-	24,230	5,484	3,655
Horse / Faba beans	-	-	-	-	-	-	6,793	892	858
Field Peas	-	-	-	-	-	-	2,883	*	*
Haricot beans	-	-	-	-	-	-	15,851	3,541	2,094
Chick peas	-	-	-	-	-	-	*	*	*
Lentils	-	-	-	-	-	-	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	*	*	*
Fenugreek	-	-	-	-	-	-	*	*	*
Gibto	-	-	-	-	-	-	*	*	*
<b>Oilseeds</b>	-	-	-	-	-	-	29,874	15,476	4,447
Neug	-	-	-	-	-	-	8,794	4,608	1,000
Linseed	-	-	-	-	-	-	1,492	*	*
Groundnuts	-	-	-	-	-	-	9,969	3,331	2,508
Safflower	-	-	-	-	-	-	*	*	*
Sesame	-	-	-	-	-	-	16,084	7,217	818
Rapeseed	-	-	-	-	-	-	1,791	*	7
<b>Vegetables</b>	*	*	*	-	-	-	22,241	414	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	*	*	-
Ethiopian cabbage	-	-	-	-	-	-	*	*	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	1,806	*	-
Red peppers	*	*	*	-	-	-	20,037	397	-
Swiss chard	-	-	-	-	-	-	*	*	-
<b>Root crops</b>	-	-	-	-	-	-	12,184	264	-
Beetroot	-	-	-	-	-	-	*	*	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	-	-	-	-	-	-	2,863	19	-
Potatoes	-	-	-	-	-	-	4,103	116	-
Garlic	-	-	-	-	-	-	6,385	62	-
Taro 'Godere'	-	-	-	-	-	-	*	*	-
Sweet potatoes	-	-	-	-	-	-	4,070	*	-
<b>Other Temporary</b>	-	-	-	-	-	-	13,268	518	-
<b>Permanent crops</b>	-	-	-	-	-	-	18,642	*	-
Avocado	-	-	-	-	-	-	-	-	-
Bananas	-	-	-	-	-	-	3,666	*	-
Guava	-	-	-	-	-	-	*	*	-
Lemons	-	-	-	-	-	-	1,478	*	-
Mangoes	-	-	-	-	-	-	7,820	37	-
Oranges	-	-	-	-	-	-	*	*	-
Papayas	-	-	-	-	-	-	2,772	12	-
Pineapples	-	-	-	-	-	-	-	-	-
Chat	-	-	-	-	-	-	*	*	-
Coffee	-	-	-	-	-	-	*	*	-
Hops / 'Geshe'	-	-	-	-	-	-	7,677	*	-
Enset	-	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	-	*	*	-
Other permanent	-	-	-	-	-	-	*	*	-

(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>	3,107	2,407	482	7,004	7,386	*	*	5,804	5,959
<b>Cereals</b>	2,154	1,660	319	6,611	7,249	*	*	5,040	4,873
Teff	-	-	-	2,921	*	*	*	*	*
Barley	-	-	-	-	-	-	-	*	*
Wheat	-	-	-	*	*	*	*	*	*
Maize	2,154	1,660	319	*	*	-	-	3,639	2,770
Sorghum	-	-	-	-	-	-	-	*	*
Finger millet	-	-	-	4,954	4,718	-	-	*	*
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	*	*	-	-	*	*
<b>Pulses</b>	*	*	*	*	*	-	-	412	*
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	-	-	-	-	-	*	*	-	-

Table1.6.2 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>	56,790	8,588	431	32,716	6,475	6,859	1,779	371
<b>Cereals</b>	39,538	6,566	319	26,381	4,591	5,650	1,694	289
Teff	3,683	1,792	191	*	*	4,708	*	*
Barley	*	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-
Maize	8,853	3,635	*	25,425	3,295	942	*	*
Sorghum	24,384	864	-	4,590	864	-	-	-
Finger millet	2,576	*	*	*	*	*	*	*
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	*	*	-	*	*	-	-	-
<b>Pulses</b>	2,436	401	*	6,382	373	*	*	*
Horse / Faba beans	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-
Haricot beans	756	*	*	*	*	*	*	*
Chick peas	392	*	*	*	*	*	*	*
Lentils	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	1,285	*	*	1,615	*	*	*	*
Fenugreek	*	*	-	*	*	-	-	-
Gibto	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	11,882	645	*	5,422	631	*	*	*
Neug	6,823	*	-	*	*	-	-	-
Linseed	259	*	-	*	*	-	-	-
Groundnuts	524	39	-	1,237	39	-	-	-
Safflower	*	*	-	*	*	-	-	-
Sesame	4,265	*	*	820	*	*	*	*
Rapeseed	*	*	-	*	*	-	-	-
<b>Vegetables</b>	586	413	*	14,722	324	*	*	*
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	9	*	-	1,076	*	-	-	-
Ethiopian cabbage	*	12	-	2,424	12	-	-	-
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	58	*	-	673	*	-	-	-
Red peppers	499	390	*	13,242	301	*	*	*
Swiss chard	-	-	-	-	-	-	-	-
<b>Root crops</b>	141	37	*	4,679	29	*	*	*
Beetroot	*	*	-	*	*	-	-	-
Carrot	1	*	-	*	*	-	-	-
Onion	*	*	-	*	*	-	-	-
Potatoes	*	-	-	-	-	-	-	-
Garlic	*	*	*	*	*	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	116	32	*	3,443	25	*	*	*
<b>Other Temporary</b>	1,088	226	*	13,010	225	*	*	*
<b>Permanent crops</b>	1,120	301	*	12,410	301	*	*	*
Avocado	*	*	-	*	*	-	-	-
Bananas	193	52	-	4,318	52	-	-	-
Guava	6	-	-	-	-	-	-	-
Lemons	8	*	-	*	*	-	-	-
Mangoes	413	44	-	4,441	44	-	-	-
Oranges	14	*	-	*	*	-	-	-
Papayas	23	*	-	*	*	-	-	-
Pineapples	-	-	-	-	-	-	-	-
Chat	*	*	-	3,501	*	-	-	-
Coffee	192	78	-	6,329	78	-	-	-
Hops / 'Geshe'	24	14	-	2,290	14	-	-	-
Enset	-	-	-	-	-	-	-	-
Sugar cane	*	*	-	*	*	-	-	-
Other permanent	*	*	-	*	*	-	-	-

(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>	3,232	*	*	*	*	*	68,309	56,668	10,450
<b>Cereals</b>	*	*	*	-	-	-	67,770	39,518	7,996
Teff	*	*	*	-	-	-	18,058	3,683	865
Barley	-	-	-	-	-	-	*	*	*
Wheat	-	-	-	-	-	-	-	-	-
Maize	*	*	*	-	-	-	60,114	8,853	2,293
Sorghum	-	-	-	-	-	-	56,150	24,384	4,325
Finger millet	*	*	*	-	-	-	15,214	2,556	506
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	*	*	*
<b>Pulses</b>	-	-	-	-	-	-	23,390	2,412	679
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	-	11,142	756	199
Chick peas	-	-	-	-	-	-	5,110	392	83
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	9,422	1,261	395
Fenugreek	-	-	-	-	-	-	*	*	*
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	*	*	*	-	-	-	46,770	11,882	1,774
Neug	-	-	-	-	-	-	23,015	6,823	916
Linseed	-	-	-	-	-	-	7,145	259	48
Groundnuts	-	-	-	-	-	-	11,099	524	132
Safflower	-	-	-	-	-	-	*	*	*
Sesame	*	*	*	-	-	-	25,641	4,265	676
Rapeseed	-	-	-	-	-	-	*	*	*
<b>Vegetables</b>	1,616	*	*	*	*	*	25,193	586	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	2,152	9	-
Ethiopian cabbage	-	-	-	-	-	-	3,232	*	-
Tomatoes	-	-	-	-	-	-	686	*	-
Green peppers	-	-	-	-	-	-	3,530	58	-
Red peppers	1,616	*	*	*	*	*	21,407	499	-
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	*	*	*	-	-	-	13,427	141	-
Beetroot	-	-	-	-	-	-	*	*	-
Carrot	-	-	-	-	-	-	674	1	-
Onion	-	-	-	-	-	-	2,229	*	-
Potatoes	-	-	-	-	-	-	*	*	-
Garlic	*	*	*	-	-	-	808	*	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	11,665	116	-
<b>Other Temporary</b>	-	-	-	-	-	-	31,145	1,079	-
<b>Permanent crops</b>							37,773	1,050	
Avocado							*	*	
Bananas							13,492	191	
Guava							2,702	6	
Lemons							2,773	8	
Mangoes							29,985	413	
Oranges							4,040	13	
Papayas							8,720	23	
Pineapples							-	-	
Chat							9,690	*	
Coffee							12,114	125	
Hops / 'Geshe'							5,789	24	
Enset							-	-	
Sugar cane							3,364	*	
Other permanent							2,152	*	

(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>	4,712	*	*	*	465	4,034	203	942	339
<b>Cereals</b>	*	*	-	*	428	*	*	*	*
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>				*	*	3,899	132	*	*
Avocado				-	-	-	-	-	-
Bananas				*	*	2,822	*	*	*
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	*	*	-	-
Oranges				-	-	*	*	-	-
Papayas				-	-	-	-	-	-
Pineapples				-	-	-	-	-	-
Chat				*	*	*	*	*	*
Coffee	4,442	*	-	-	-	*	*	-	-
Hops / 'Geshe'				-	-	-	-	-	-
Enset				-	-	-	-	-	-
Sugar cane				-	-	*	*	-	-
Other permanent				-	-	*	*	*	*

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

**Kemashi**

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
<b>All</b>	29,219	*	410	3,845	*	*	*	*
<b>Cereals</b>	20,505	*	*	2,746	*	*	*	*
Teff	*	*	*	*	*	*	*	*
Barley	*	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-
Maize	6,725	716	*	2,505	502	*	*	*
Sorghum	12,269	*	-	*	*	-	-	-
Finger millet	*	*	-	*	*	-	-	-
Oats / 'Aja'	*	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
<b>Pulses</b>	1,609	*	*	*	*	*	*	*
Horse / Faba beans	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-
Haricot beans	1,399	*	*	*	*	*	*	*
Chick peas	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	*	-	-	-	-	-	-	-
Fenugreek	*	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	6,648	*	-	*	*	-	-	-
Neug	190	*	-	*	*	-	-	-
Linseed	*	-	-	-	-	-	-	-
Groundnuts	87	*	-	*	*	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	6,369	*	-	*	*	-	-	-
Rapeseed	-	-	-	-	-	-	-	-
<b>Vegetables</b>	145	*	-	*	*	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-
Ethiopian cabbage	*	*	-	*	*	-	-	-
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	*	*	-	*	*	-	-	-
Red peppers	126	*	-	*	*	-	-	-
Swiss chard	*	-	-	-	-	-	-	-
<b>Root crops</b>	118	*	*	848	*	-	-	-
Beetroot	*	-	-	-	-	-	-	-
Carrot	*	-	-	-	-	-	-	-
Onion	*	*	-	*	*	-	-	-
Potatoes	*	*	-	*	*	-	-	-
Garlic	*	*	-	*	*	-	-	-
Taro 'Godere'	*	*	-	*	*	-	-	-
Sweet potatoes	91	*	*	*	*	-	-	-
<b>Other Temporary</b>	130	*	*	1,018	*	*	*	*
<b>Permanent crops</b>	64	*	-	*	*	-	-	-
Avocado	-	-	-	-	-	-	-	-
Bananas	*	-	-	-	-	-	-	-
Guava	*	*	-	*	*	-	-	-
Lemons	*	-	-	-	-	-	-	-
Mangoes	20	*	-	*	*	-	-	-
Oranges	*	-	-	-	-	-	-	-
Papayas	2	*	-	*	*	-	-	-
Pineapples	-	-	-	-	-	-	-	-
Chat	-	-	-	-	-	-	-	-
Coffee	*	-	-	-	-	-	-	-
Hops / 'Geshe'	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	-	-	-
Other permanent	*	*	-	*	*	-	-	-

(Table 1.6.3 cont'd.)

**Kemashi**

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
<b>All</b>	*	*	*	*	*	*	22,938	29,063	5,365
<b>Cereals</b>	*	*	*	*	*	*	22,263	20,355	4,092
Teff	-	-	-	-	-	-	1,684	*	*
Barley	-	-	-	-	-	-	*	*	-
Wheat	-	-	-	-	-	-	-	-	-
Maize	*	*	*	*	*	*	17,415	6,645	1,619
Sorghum	-	-	-	-	-	-	19,086	12,199	2,138
Finger millet	-	-	-	-	-	-	1,765	*	*
Oats / 'Aja'	-	-	-	-	-	-	*	*	*
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	*	*	*	-	-	-	10,708	1,609	328
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	*	*	*	-	-	-	10,370	1,399	226
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	*	*	*
Fenugreek	-	-	-	-	-	-	*	*	-
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	-	-	-	17,064	6,648	945
Neug	-	-	-	-	-	-	2,326	190	25
Linseed	-	-	-	-	-	-	*	*	*
Groundnuts	-	-	-	-	-	-	3,089	87	24
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	16,151	6,369	895
Rapeseed	-	-	-	-	-	-	-	-	-
<b>Vegetables</b>	-	-	-	-	-	-	4,875	141	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	*	*	-
Tomatoes	-	-	-	-	-	-	479	*	-
Green peppers	-	-	-	-	-	-	*	*	-
Red peppers	-	-	-	-	-	-	3,733	123	-
Swiss chard	-	-	-	-	-	-	*	*	-
<b>Root crops</b>	*	*	*	-	-	-	7,188	118	-
Beetroot	-	-	-	-	-	-	*	*	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	-	-	-	-	-	-	*	*	-
Potatoes	-	-	-	-	-	-	*	*	-
Garlic	-	-	-	-	-	-	*	*	-
Taro 'Godere'	-	-	-	-	-	-	*	*	-
Sweet potatoes	*	*	*	-	-	-	6,465	91	-
<b>Other Temporary</b>	-	-	-	-	-	-	5,291	129	-
<b>Permanent crops</b>	-	-	-	-	-	-	3,737	64	-
Avocado	-	-	-	-	-	-	-	-	-
Bananas	-	-	-	-	-	-	1,668	*	-
Guava	-	-	-	-	-	-	*	*	-
Lemons	-	-	-	-	-	-	*	*	-
Mangoes	-	-	-	-	-	-	2,057	20	-
Oranges	-	-	-	-	-	-	248	*	-
Papayas	-	-	-	-	-	-	622	2	-
Pineapples	-	-	-	-	-	-	-	-	-
Chat	-	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	*	*	-
Hops / 'Geshe'	-	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	-	-	-	-
Other permanent	-	-	-	-	-	-	*	*	-

(Table 1.6.3 Cont'd.)

**Kemashi**

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
<b>All</b>	*	*	*	240	*	*	*	455	*
<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	-	-	-	-	-	-	-	-	-



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

**Pawe Special**

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
<b>All</b>	7,523	1,292	586	2,632	332	369	172	104
<b>Cereals</b>	3,833	901	458	2,405	301	221	136	64
Teff	*	*	-	*	*	-	-	-
Barley	*	*	-	*	*	-	-	-
Wheat	*	-	-	-	-	-	-	-
Maize	878	514	336	2,405	271	76	11	*
Sorghum	839	*	*	*	*	-	-	-
Finger millet	1,737	283	73	*	*	145	95	35
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	364	100	47	*	*	*	*	*
<b>Pulses</b>	328	30	38	*	*	102	*	34
Horse / Faba beans	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-
Haricot beans	*	*	-	*	*	-	-	-
Chick peas	*	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	325	30	38	*	*	102	*	34
Fenugreek	-	-	-	-	-	-	-	-
Gibto	*	*	-	*	*	-	-	-
<b>Oilseeds</b>	3,225	335	60	88	*	*	*	*
Neug	94	-	-	-	-	-	-	-
Linseed	*	*	*	*	*	-	-	-
Groundnuts	1,464	*	*	*	*	-	-	-
Safflower	21	*	*	-	-	-	-	-
Sesame	1,644	323	46	58	*	*	*	*
Rapeseed	*	*	*	*	*	-	-	-
<b>Vegetables</b>	55	14	8	557	5	*	*	*
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-
Ethiopian cabbage	1	*	-	61	*	-	-	-
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	5	*	*	241	*	*	*	*
Red peppers	48	11	8	255	3	*	*	*
Swiss chard	*	-	-	-	-	-	-	-
<b>Root crops</b>	23	5	*	208	4	-	-	-
Beetroot	*	-	-	-	-	-	-	-
Carrot	*	-	-	-	-	-	-	-
Onion	*	-	-	-	-	-	-	-
Potatoes	*	-	-	-	-	-	-	-
Garlic	*	-	-	-	-	-	-	-
Taro 'Godere'	*	*	-	*	*	-	-	-
Sweet potatoes	21	4	*	162	4	-	-	-
<b>Other Temporary</b>	10	2	*	270	1	-	-	-
<b>Permanent crops</b>	50	6		690	3			
Avocado	*	-	-	-	-	-	-	-
Bananas	7	*		75	*			
Guava	*	*		*	*			
Lemons	1	*		*	*			
Mangoes	12	4		374	2			
Oranges	*	*		*	*			
Papayas	9	1		317	1			
Pineapples	-	-		-	-			
Chat	*	-		-	-			
Coffee	*	-		-	-			
Hops / 'Gescho'	*	*		*	*			
Enset	*	-		-	-			
Sugar cane	*	*		*	*			
Other permanent	*	*		*	*			

(Table 1.6.4 cont'd.)

**Pawe Special**

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
<b>All</b>	1,332	627	195	364	161	287	5,979	7,429	3,378
<b>Cereals</b>	756	321	129	335	144	265	5,741	3,766	1,719
Teff	-	-	-	-	-	-	*	*	*
Barley	-	-	-	-	-	-	*	*	*
Wheat	-	-	-	-	-	-	-	-	-
Maize	398	94	64	335	137	258	5,432	816	264
Sorghum	*	*	*	-	-	-	2,076	835	213
Finger millet	370	174	38	-	-	-	3,064	1,737	846
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	192	52	25	*	*	*	586	364	395
<b>Pulses</b>	*	*	*	*	*	*	1,083	301	334
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	-	*	*	*
Chick peas	-	-	-	-	-	-	*	*	*
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	*	*	*	*	*	*	1,009	298	333
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	*	*	-
<b>Oilseeds</b>	692	296	55	*	*	*	4,924	3,225	1,325
Neug	-	-	-	-	-	-	565	94	16
Linseed	*	*	*	-	-	-	*	*	*
Groundnuts	*	*	*	-	-	-	4,215	1,464	1,086
Safflower	103	*	*	-	-	-	425	21	1
Sesame	604	289	41	*	*	*	3,933	1,644	221
Rapeseed	*	*	*	-	-	-	106	*	*
<b>Vegetables</b>	369	7	6	*	*	*	2,642	54	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	210	1	-
Tomatoes	-	-	-	-	-	-	117	*	-
Green peppers	-	-	-	-	-	-	572	5	-
Red peppers	369	7	6	*	*	*	2,110	48	-
Swiss chard	-	-	-	-	-	-	*	*	-
<b>Root crops</b>	*	*	*	-	-	-	1,108	23	-
Beetroot	-	-	-	-	-	-	*	*	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	-	-	-	-	-	-	*	*	-
Potatoes	-	-	-	-	-	-	*	*	-
Garlic	-	-	-	-	-	-	*	*	-
Taro 'Godere'	-	-	-	-	-	-	148	*	-
Sweet potatoes	*	*	*	-	-	-	989	21	-
<b>Other Temporary</b>	*	*	*	-	-	-	1,098	10	-
<b>Permanent crops</b>							3,315	50	
Avocado							*	*	
Bananas							533	7	
Guava							443	*	
Lemons							278	1	
Mangoes							2,275	12	
Oranges							94	*	
Papayas							2,150	9	
Pineapples							-	-	
Chat							*	*	
Coffee							132	*	
Hops / 'Geshe'							*	*	
Enset							*	*	
Sugar cane							121	*	
Other permanent							76	*	

(Table 1.6.4 Cont'd.)

**Pawe Special**

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
<b>All</b>	296	94	67	661	424	529	19	1,358	628
<b>Cereals</b>	194	66	19	528	386	*	*	975	401
Teff	-	-	-	-	-	-	-	-	-
Barley	-	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-	-
Maize	179	62	18	*	*	*	*	800	211
Sorghum	*	*	*	*	*	-	-	*	*
Finger millet	-	-	-	468	326	-	-	232	91
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	*	*	-	-	219	99
<b>Pulses</b>	*	*	*	*	*	-	-	175	41
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	-	-	-	-
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	*	*	*	*	*	-	-	175	41
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	163	36	-	-	422	178
Neug	-	-	-	-	-	-	-	*	*
Linseed	-	-	-	-	-	-	-	*	*
Groundnuts	-	-	-	*	*	-	-	*	*
Safflower	-	-	-	*	*	-	-	*	*
Sesame	-	-	-	*	*	-	-	320	166
Rapeseed	-	-	-	-	-	-	-	*	*
<b>Vegetables</b>	*	*	-	-	-	112	*	177	4
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	*	*	-	-
Red peppers	*	*	-	-	-	*	*	177	4
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	-	-	-	-	-	91	*	*	*
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	*	*
Sweet potatoes	-	-	-	-	-	91	*	*	*
<b>Other Temporary</b>	-	-	-	-	-	*	*	*	*
<b>Permanent crops</b>	-	-	-	*	*	499	9	148	*
Avocado	-	-	-	-	-	-	-	-	-
Bananas	-	-	-	-	-	194	*	*	*
Guava	-	-	-	-	-	*	*	*	*
Lemons	-	-	-	-	-	-	-	-	-
Mangoes	-	-	-	*	*	292	2	88	*
Oranges	-	-	-	-	-	*	*	-	-
Papayas	-	-	-	-	-	226	1	*	*
Pineapples	-	-	-	-	-	-	-	-	-
Chat	-	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	*	*	-	-
Hops / 'Geshe'	-	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	*	*	-	-
Other permanent	-	-	-	-	-	*	*	-	-

Table1.6.5 Number of Holders, Inputs Applied Area and Quantity of Inputs used

**Mao Komo**

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
<b>All</b>	8,802	338	*	2,304	324	*	*	*
<b>Cereals</b>	6,379	289	*	1,770	277	*	*	*
Teff	373	*	-	*	*	-	-	-
Barley	107	*	-	*	*	-	-	-
Wheat	73	*	-	*	*	-	-	-
Maize	2,600	250	*	1,629	238	*	*	*
Sorghum	2,575	*	-	*	*	-	-	-
Finger millet	634	-	-	-	-	-	-	-
Oats / 'Aja'	*	-	-	-	-	-	-	-
Rice	*	-	-	-	-	-	-	-
<b>Pulses</b>	505	*	-	93	*	-	-	-
Horse / Faba beans	59	-	-	-	-	-	-	-
Field Peas	*	-	-	-	-	-	-	-
Haricot beans	390	*	-	*	*	-	-	-
Chick peas	25	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	*	-	-	-	-	-	-	-
Fenugreek	9	*	-	*	*	-	-	-
Gibto	*	-	-	-	-	-	-	-
<b>Oilseeds</b>	1,158	*	-	*	*	-	-	-
Neug	384	-	-	-	-	-	-	-
Linseed	100	-	-	-	-	-	-	-
Groundnuts	55	-	-	-	-	-	-	-
Safflower	*	*	-	*	*	-	-	-
Sesame	616	*	-	*	*	-	-	-
Rapeseed	*	-	-	-	-	-	-	-
<b>Vegetables</b>	30	2	-	320	2	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	*	*	-	-	-
Ethiopian cabbage	4	*	-	*	*	-	-	-
Tomatoes	*	-	-	-	-	-	-	-
Green peppers	10	*	-	119	*	-	-	-
Red peppers	15	*	-	*	*	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
<b>Root crops</b>	77	*	-	*	*	-	-	-
Beetroot	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	7	*	-	*	*	-	-	-
Potatoes	*	-	-	-	-	-	-	-
Garlic	*	-	-	-	-	-	-	-
Taro 'Godere'	3	*	-	*	*	-	-	-
Sweet potatoes	66	*	-	*	*	-	-	-
<b>Other Temporary</b>	141	8	-	425	8	-	-	-
<b>Permanent crops</b>	511	18	-	630	17	-	-	-
Avocado	-	-	-	-	-	-	-	-
Bananas	55	2	-	182	2	-	-	-
Guava	*	-	-	-	-	-	-	-
Lemons	*	*	-	*	*	-	-	-
Mangoes	31	*	-	*	*	-	-	-
Oranges	16	*	-	*	*	-	-	-
Papayas	3	*	-	*	*	-	-	-
Pineapples	*	-	-	-	-	-	-	-
Chat	109	*	-	*	*	-	-	-
Coffee	282	*	-	*	*	-	-	-
Hops / 'Geshe'	-	-	-	-	-	-	-	-
Enset	2	*	-	*	*	-	-	-
Sugar cane	*	-	-	-	-	-	-	-
Other permanent	6	-	-	-	-	-	-	-

(Table 1.6.5 cont'd.)

**Mao Komo**

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
<b>All</b>	-	-	-	*	*	*	9,858	8,778	1,930
<b>Cereals</b>	-	-	-	*	*	*	9,725	6,364	1,526
Teff	-	-	-	-	-	-	2,038	373	111
Barley	-	-	-	-	-	-	1,360	107	94
Wheat	-	-	-	-	-	-	832	73	54
Maize	-	-	-	*	*	*	9,230	2,589	600
Sorghum	-	-	-	-	-	-	8,329	2,571	486
Finger millet	-	-	-	-	-	-	4,046	634	178
Oats / 'Aja'	-	-	-	-	-	-	*	*	*
Rice	-	-	-	-	-	-	*	*	*
<b>Pulses</b>	-	-	-	-	-	-	4,219	505	233
Horse / Faba beans	-	-	-	-	-	-	707	59	60
Field Peas	-	-	-	-	-	-	375	*	*
Haricot beans	-	-	-	-	-	-	3,313	390	149
Chick peas	-	-	-	-	-	-	430	25	10
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	*	*	*
Fenugreek	-	-	-	-	-	-	264	9	1
Gibto	-	-	-	-	-	-	*	*	-
<b>Oilseeds</b>	-	-	-	-	-	-	6,435	1,158	172
Neug	-	-	-	-	-	-	2,284	384	43
Linseed	-	-	-	-	-	-	2,680	100	19
Groundnuts	-	-	-	-	-	-	1,067	55	25
Safflower	-	-	-	-	-	-	*	*	*
Sesame	-	-	-	-	-	-	3,719	616	84
Rapeseed	-	-	-	-	-	-	*	*	*
<b>Vegetables</b>	-	-	-	-	-	-	2,770	30	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	*	*	-
Ethiopian cabbage	-	-	-	-	-	-	506	3	-
Tomatoes	-	-	-	-	-	-	112	*	-
Green peppers	-	-	-	-	-	-	1,344	10	-
Red peppers	-	-	-	-	-	-	1,103	15	-
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	-	-	-	-	-	-	4,230	77	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	449	7	-
Potatoes	-	-	-	-	-	-	88	*	-
Garlic	-	-	-	-	-	-	*	*	-
Taro 'Godere'	-	-	-	-	-	-	511	3	-
Sweet potatoes	-	-	-	-	-	-	3,751	66	-
<b>Other Temporary</b>	-	-	-	-	-	-	4,517	137	-
<b>Permanent crops</b>	-	-	-	-	-	-	6,106	507	-
Avocado	-	-	-	-	-	-	-	-	-
Bananas	-	-	-	-	-	-	2,415	55	-
Guava	-	-	-	-	-	-	*	*	-
Lemons	-	-	-	-	-	-	255	*	-
Mangoes	-	-	-	-	-	-	2,118	31	-
Oranges	-	-	-	-	-	-	1,779	16	-
Papayas	-	-	-	-	-	-	627	3	-
Pineapples	-	-	-	-	-	-	*	*	-
Chat	-	-	-	-	-	-	2,147	107	-
Coffee	-	-	-	-	-	-	2,829	281	-
Hops / 'Geshe'	-	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	447	2	-
Sugar cane	-	-	-	-	-	-	*	*	-
Other permanent	-	-	-	-	-	-	502	6	-

(Table 1.6.5 Cont'd.)

**Mao Komo**

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
<b>All</b>	*	*	*	737	205	118	*	-	-
<b>Cereals</b>	*	*	*	589	190	-	-	-	-
Teff	-	-	-	*	*	-	-	-	-
Barley	-	-	-	*	*	-	-	-	-
Wheat	-	-	-	*	*	-	-	-	-
Maize	*	*	*	*	*	-	-	-	-
Sorghum	-	-	-	*	*	-	-	-	-
Finger millet	-	-	-	365	57	-	-	-	-
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>	-	-	-	*	*	96	*	-	-
Avocado	-	-	-	-	-	-	-	-	-
Bananas	-	-	-	*	*	-	-	-	-
Guava	-	-	-	-	-	-	-	-	-
Lemons	-	-	-	-	-	-	-	-	-
Mangoes	-	-	-	-	-	-	-	-	-
Oranges	-	-	-	*	*	*	*	-	-
Papayas	-	-	-	-	-	-	-	-	-
Pineapples	-	-	-	-	-	-	-	-	-
Chat	-	-	-	-	-	*	*	-	-
Coffee	-	-	-	-	-	-	-	-	-
Hops / 'Geshe'	-	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	*	*	-	-
Other permanent	-	-	-	-	-	-	-	-	-

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

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

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
<b>All</b>	1,538,586	807,700	479,686	2,424,770	440,200	819,524	248,067	253,439
<b>Cereals</b>	785,387	390,342	358,429	651,670	83,507	732,365	208,211	196,540
Teff	234,789	115,852	81,001	60,787	6,850	315,371	83,334	57,978
Barley	70,410	43,094	36,819	162,393	16,481	201,208	23,270	31,967
Wheat	118,815	89,886	103,476	104,421	14,935	279,807	46,872	58,633
Maize	248,882	121,972	128,969	370,079	32,331	246,277	49,703	42,487
Sorghum	102,474	17,043	6,854	123,200	12,535	44,051	3,248	4,363
Finger millet	5,967	2,162	1,059	5,021	176	21,652	1,652	859
Oats / 'Aja'	575	292	*	3,387	*	*	91	*
Rice	*	*	*	*	*	*	*	*
<b>Pulses</b>	157,093	49,317	45,807	460,021	20,245	251,109	23,078	24,374
Horse / Faba beans	56,058	17,210	20,700	214,912	7,081	96,443	7,000	9,022
Field Peas	40,953	8,539	6,428	77,357	3,731	56,039	4,489	5,819
Haricot beans	51,101	21,209	18,050	210,509	7,674	122,337	11,209	9,189
Chick peas	6,473	1,548	*	15,707	1,288	*	*	*
Lentils	790	290	69	4,822	*	4,616	103	56
Vetch / Grass peas	1,063	*	*	*	*	*	*	*
Soya beans	*	*	*	*	*	*	*	*
Fenugreek	*	124	70	14,242	63	2,216	38	42
Gibto	*	*	*	*	*	*	*	*
<b>Oilseeds</b>	3,478	781	393	31,839	585	8,258	160	272
Neug	*	*	*	-	-	*	*	*
Linseed	1,495	330	188	13,024	191	7,140	114	165
Groundnuts	517	*	-	5,894	*	-	-	-
Safflower	261	30	*	2,754	22	-	-	-
Sesame	320	*	*	-	-	*	*	*
Rapeseed	437	175	*	11,244	152	*	*	*
<b>Vegetables</b>	40,966	31,218	29,116	1,265,008	16,532	63,460	6,169	9,844
Lettuce	7	3	-	1,996	3	-	-	-
Head cabbage	420	297	*	54,597	280	*	*	*
Ethiopian cabbage	17,099	13,684	1,002	1,202,764	13,409	19,412	168	577
Tomatoes	172	91	*	13,548	83	*	*	*
Green peppers	1,348	570	*	117,349	467	*	*	*
Red peppers	21,879	16,549	27,830	56,908	2,268	43,953	5,963	9,073
Swiss chard	40	23	*	13,703	23	*	*	*
<b>Root crops</b>	70,713	41,115	11,346	960,311	35,057	120,150	4,435	8,011
Beetroot	248	160	16	49,374	133	2,046	*	*
Carrot	*	*	152	25,250	*	3,994	*	107
Onion	1,235	964	*	104,293	920	2,730	*	*
Potatoes	9,621	8,435	10,104	164,109	3,261	99,410	3,812	7,277
Garlic	319	*	*	36,872	*	1,596	*	*
Taro 'Godere'	28,035	12,863	*	525,499	12,723	3,655	82	87
Sweet potatoes	30,692	18,075	650	412,531	17,613	12,302	311	425
<b>Other Temporary</b>	39,220	18,616	2,014	655,799	17,789	7,929	212	613
<b>Permanent crops</b>	441,729	276,311		2,266,840	266,485			
Avocado	4,653	2,974		404,271	2,819			
Bananas	23,065	8,357		595,066	7,707			
Guava	214	101		25,980	101			
Lemons	190	93		21,953	92			
Mangoes	1,923	631		120,181	628			
Oranges	873	435		87,097	427			
Papayas	1,213	665		145,129	648			
Pineapples	*	*		*	*			
Chat	30,524	19,352		393,220	17,781			
Coffee	116,126	49,191		1,132,756	43,702			
Hops / 'Gescho'	2,273	786		105,506	743			
Enset	244,803	187,123		2,086,028	185,978			
Sugar cane	10,146	4,191		309,563	3,938			
Other permanent	5,658	2,392		238,337	1,899			

(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>	59,220	12,828	15,770	340,900	106,606	210,477	3,113,911	1,474,373	646,160
<b>Cereals</b>	28,376	6,737	5,668	313,428	91,887	156,221	2,180,628	727,598	518,856
Teff	9,205	2,159	1,044	99,958	23,508	21,979	910,547	228,779	113,118
Barley	4,216	301	*	30,457	3,043	4,535	601,566	69,512	99,422
Wheat	7,813	1,769	1,764	103,666	26,311	43,078	591,881	112,411	190,218
Maize	14,221	2,070	2,158	170,448	37,868	84,324	1,049,704	205,089	84,732
Sorghum	3,707	*	*	12,922	919	2,120	576,805	101,862	25,090
Finger millet	*	*	*	3,165	238	185	70,077	5,926	2,322
Oats / 'Aja'	-	-	-	-	-	-	18,263	570	618
Rice	-	-	-	-	-	-	*	*	*
<b>Pulses</b>	13,717	*	1,302	53,169	4,595	20,131	1,363,412	156,292	126,353
Horse / Faba beans	*	*	*	15,673	2,088	*	629,521	55,944	61,022
Field Peas	*	*	*	4,226	221	321	343,031	40,430	28,000
Haricot beans	5,875	200	*	33,078	2,125	8,218	678,110	50,944	31,836
Chick peas	*	*	*	*	*	*	48,483	6,473	4,078
Lentils	-	-	-	*	*	*	25,842	790	428
Vetch / Grass peas	-	-	-	-	-	-	9,704	1,056	759
Soya beans	-	-	-	*	*	*	5,954	*	*
Fenugreek	-	-	-	*	*	*	24,653	*	120
Gibto	-	-	-	-	-	-	2,796	*	*
<b>Oilseeds</b>	-	-	-	2,664	36	*	113,831	3,450	951
Neug	-	-	-	-	-	-	4,615	*	*
Linseed	-	-	-	2,111	25	23	62,098	1,494	539
Groundnuts	-	-	-	-	-	-	15,611	517	168
Safflower	-	-	-	*	*	*	11,832	261	38
Sesame	-	-	-	-	-	-	4,641	320	*
Rapeseed	-	-	-	*	*	*	20,263	437	45
<b>Vegetables</b>	21,945	3,220	*	44,023	5,297	13,761	1,676,884	40,642	-
Lettuce	-	-	-	-	-	-	2,544	7	-
Head cabbage	-	-	-	*	*	*	72,478	404	-
Ethiopian cabbage	*	*	*	6,202	78	365	1,524,714	16,990	-
Tomatoes	-	-	-	*	*	*	25,804	171	-
Green peppers	-	-	-	*	*	*	192,002	1,178	-
Red peppers	20,578	3,191	*	35,241	5,127	13,306	199,325	21,855	-
Swiss chard	*	*	*	-	-	-	16,853	38	-
<b>Root crops</b>	7,196	202	451	22,246	1,422	2,883	1,587,632	70,381	-
Beetroot	*	*	*	*	*	*	70,310	232	-
Carrot	*	*	*	*	*	*	36,985	*	-
Onion	-	-	-	*	*	*	139,581	1,225	-
Potatoes	2,916	*	*	19,016	1,296	2,624	308,996	9,617	-
Garlic	*	*	*	*	*	*	59,785	*	-
Taro 'Godere'	*	*	*	*	*	*	887,255	27,812	-
Sweet potatoes	*	*	*	*	*	*	681,223	30,639	-
<b>Other Temporary</b>	*	*	*	6,326	*	*	1,075,606	39,065	-
<b>Permanent crops</b>							2,913,874	436,945	
Avocado							622,467	4,540	
Bananas							1,037,160	22,937	
Guava							54,947	203	
Lemons							40,130	176	
Mangoes							236,418	1,904	
Oranges							154,575	851	
Papayas							273,366	1,134	
Pineapples							3,606	*	
Chat							625,117	30,388	
Coffee							1,699,481	113,260	
Hops / 'Gescho'							215,558	2,252	
Enset							2,597,256	243,800	
Sugar cane							572,032	9,882	
Other permanent							432,856	5,586	



(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>	303,256	59,385	30,101	583,693	210,794	87,436	20,348	186,544	46,928
<b>Cereals</b>	238,111	56,253	29,672	510,232	201,045	39,181	12,445	138,211	38,517
Teff	16,184	5,998	2,837	318,732	98,273	7,919	2,364	16,905	6,233
Barley	4,702	635	874	100,076	11,244	*	*	17,879	2,453
Wheat	26,631	6,212	10,767	268,171	67,392	*	*	30,429	6,445
Maize	199,486	43,331	15,188	21,289	5,022	28,983	8,790	84,129	22,367
Sorghum	*	*	-	40,364	13,891	5,389	996	11,362	905
Finger millet	*	*	*	21,914	2,433	-	-	*	*
Oats / 'Aja'	-	-	-	*	*	*	*	*	*
Rice	-	-	-	*	*	-	-	*	*
<b>Pulses</b>	3,624	556	*	17,605	1,424	13,883	691	29,571	3,062
Horse / Faba beans	*	*	*	8,068	971	1,240	*	2,308	*
Field Peas	2,339	473	*	4,489	216	*	*	4,438	630
Haricot beans	*	*	*	4,198	*	10,245	459	23,779	*
Chick peas	-	-	-	*	*	*	*	*	*
Lentils	-	-	-	*	*	*	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	*	*	*	*	-	-
Fenugreek	-	-	-	*	*	-	-	-	-
Gibto	-	-	-	*	*	-	-	-	-
<b>Oilseeds</b>	*	*	*	4,987	169	*	*	1,875	*
Neug	*	*	*	*	*	*	*	*	*
Linseed	-	-	-	4,297	*	*	*	*	*
Groundnuts	-	-	-	-	-	*	*	-	-
Safflower	-	-	-	-	-	*	*	*	*
Sesame	-	-	-	*	*	-	-	-	-
Rapeseed	-	-	-	-	-	*	*	*	*
<b>Vegetables</b>	7,710	25	-	20,314	1,033	13,108	210	28,839	*
Lettuce	*	*	-	-	-	-	-	-	-
Head cabbage	5,857	16	-	*	*	1,587	*	3,910	*
Ethiopian cabbage	*	*	-	11,279	123	11,369	176	*	*
Tomatoes	-	-	-	*	*	*	*	*	*
Green peppers	*	*	-	*	*	*	*	*	*
Red peppers	-	-	-	7,259	880	*	*	*	*
Swiss chard	*	*	-	-	-	*	*	*	*
<b>Root crops</b>	15,666	72	-	36,250	1,958	20,363	*	27,477	623
Beetroot	7,715	15	-	-	-	3,079	7	4,870	7
Carrot	6,813	8	-	*	*	1,922	*	*	*
Onion	2,556	*	-	*	*	2,065	*	2,985	*
Potatoes	*	*	-	25,440	1,488	*	*	11,476	*
Garlic	*	*	-	*	*	*	*	*	*
Taro 'Godere'	*	*	-	2,026	49	4,951	77	4,358	123
Sweet potatoes	*	*	-	5,328	361	10,355	*	*	*
<b>Other Temporary</b>	1,859	*	-	4,427	126	17,671	535	6,886	233
<b>Permanent crops</b>				72,365	5,040	53,804	5,766	43,682	2,745
Avocado				3,363	15	6,209	51	4,858	35
Bananas				4,321	*	20,997	*	7,091	141
Guava				*	*	*	*	*	*
Lemons				-	-	2,102	10	*	*
Mangoes				1,179	*	8,939	*	1,712	*
Oranges				*	*	2,368	3	*	*
Papayas				*	*	8,371	*	3,012	*
Pineapples				-	-	-	-	-	-
Chat				36,243	3,466	6,417	147	3,267	*
Coffee	28,781	1,829	-	16,388	409	26,106	1,262	20,392	1,285
Hops / 'Gescho'				1,711	*	*	*	*	*
Enset				15,034	907	27,220	1,934		
Sugar cane				2,075	*	7,233	131	1,567	*
Other permanent				3,230	*	11,238	271	6,683	*

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>	153,065	102,600	73,242	265,388	50,898	137,859	29,588	40,745
<b>Cereals</b>	85,509	51,121	59,932	87,004	6,820	131,755	26,643	35,363
Teff	22,098	13,228	11,897	5,661	*	24,986	6,491	5,432
Barley	14,468	13,604	20,522	36,722	1,788	86,169	10,516	18,090
Wheat	16,736	11,598	13,261	14,733	816	70,245	7,687	9,684
Maize	27,843	12,283	13,804	42,413	3,652	7,894	1,752	1,833
Sorghum	4,250	340	336	*	*	*	*	*
Finger millet	-	-	-	-	-	-	-	-
Oats / 'Aja'	80	65	*	*	*	*	*	*
Rice	*	*	*	-	-	*	*	*
<b>Pulses</b>	10,070	4,006	2,934	65,906	2,112	25,790	*	*
Horse / Faba beans	3,586	2,201	*	55,673	1,539	14,506	*	*
Field Peas	1,644	1,255	*	7,120	*	14,085	924	*
Haricot beans	*	*	*	*	*	-	-	-
Chick peas	*	*	*	*	*	*	*	*
Lentils	*	*	*	*	*	*	*	*
Vetch / Grass peas	*	-	-	-	-	-	-	-
Soya beans	*	*	-	*	*	-	-	-
Fenugreek	*	*	-	*	*	-	-	-
Gibto	*	*	-	*	*	-	-	-
<b>Oilseeds</b>	576	81	*	6,571	*	*	*	*
Neug	*	-	-	-	-	-	-	-
Linseed	*	*	*	*	*	*	*	*
Groundnuts	*	*	-	*	*	-	-	-
Safflower	*	*	-	*	*	-	-	-
Sesame	*	-	-	-	-	-	-	-
Rapeseed	84	*	*	5,494	*	-	-	-
<b>Vegetables</b>	8,918	6,277	*	161,133	1,989	3,438	302	*
Lettuce	*	*	-	*	*	-	-	-
Head cabbage	48	35	*	10,985	31	*	*	*
Ethiopian cabbage	1,619	1,429	*	152,125	1,391	*	*	*
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	16	16	-	9,046	16	-	-	-
Red peppers	7,221	*	*	9,479	540	1,696	*	*
Swiss chard	13	10	*	9,308	10	*	*	*
<b>Root crops</b>	2,611	2,479	2,694	93,765	1,435	45,343	1,015	2,621
Beetroot	11	9	*	8,177	9	*	*	*
Carrot	7	5	*	5,187	*	*	*	*
Onion	11	11	*	6,297	11	*	*	*
Potatoes	1,435	1,358	2,676	27,386	330	44,264	1,000	2,604
Garlic	*	*	*	12,847	*	*	*	*
Taro 'Godere'	899	867	-	49,876	867	-	-	-
Sweet potatoes	*	*	-	7,901	*	-	-	-
<b>Other Temporary</b>	*	574	*	45,163	533	*	*	*
<b>Permanent crops</b>	44,449	38,061		243,034	37,938			
Avocado	233	196		41,105	196			
Bananas	386	239		33,345	239			
Guava	42	*		5,721	*			
Lemons	33	26		4,993	26			
Mangoes	43	20		8,420	20			
Oranges	360	209		31,623	204			
Papayas	132	111		25,480	111			
Pineapples	*	*		*	*			
Chat	4,415	3,173		74,946	3,163			
Coffee	4,009	3,353		95,850	3,317			
Hops / 'Geshe'	*	322		33,524	317			
Enset	33,370	30,026		225,785	29,968			
Sugar cane	140	135		23,553	127			
Other permanent	250	203		46,307	202			

(Table 1.7.1 cont'd.)

<b>Gurage</b>									
Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
<b>All</b>	21,172	5,420	*	40,031	16,693	26,636	293,929	141,033	83,688
<b>Cereals</b>	9,456	2,387	1,398	37,804	15,271	23,171	229,661	74,094	74,418
Teff	*	*	*	13,584	4,834	*	53,328	18,979	6,434
Barley	*	*	*	6,287	*	*	121,877	13,937	27,602
Wheat	2,408	*	*	10,021	*	3,371	109,704	15,875	30,945
Maize	*	*	*	19,148	6,388	11,332	81,905	20,945	8,138
Sorghum	*	*	*	*	*	*	28,760	4,244	977
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	*	80	*
Rice	-	-	-	-	-	-	*	*	*
<b>Pulses</b>	*	*	*	3,383	*	*	118,114	9,829	9,149
Horse / Faba beans	*	*	*	*	*	*	91,507	3,568	4,291
Field Peas	*	*	*	*	*	*	26,466	1,421	1,712
Haricot beans	*	*	*	*	*	*	20,989	*	*
Chick peas	*	*	*	*	*	*	*	*	*
Lentils	-	-	-	-	-	-	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	*	*	*
Soya beans	-	-	-	-	-	-	*	*	-
Fenugreek	-	-	-	-	-	-	*	*	*
Gibto	-	-	-	-	-	-	*	*	-
<b>Oilseeds</b>	-	-	-	*	*	*	14,821	576	121
Neug	-	-	-	-	-	-	*	*	*
Linseed	-	-	-	-	-	-	3,725	*	*
Groundnuts	-	-	-	-	-	-	*	*	-
Safflower	-	-	-	-	-	-	*	*	*
Sesame	-	-	-	-	-	-	*	*	*
Rapeseed	-	-	-	*	*	*	6,701	84	8
<b>Vegetables</b>	13,860	*	*	*	*	*	196,880	8,862	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	-	-	-	-	-	-	12,475	43	-
Ethiopian cabbage	*	*	*	-	-	-	173,800	1,570	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	9,047	15	-
Red peppers	13,161	*	*	*	*	*	38,890	7,221	-
Swiss chard	*	*	*	-	-	-	9,017	12	-
<b>Root crops</b>	*	*	*	*	*	*	139,274	2,578	-
Beetroot	*	*	*	-	-	-	8,122	7	-
Carrot	*	*	*	-	-	-	5,555	4	-
Onion	-	-	-	-	-	-	5,361	10	-
Potatoes	*	*	*	*	*	*	71,900	1,431	-
Garlic	*	*	*	-	-	-	13,757	*	-
Taro 'Godere'	-	-	-	-	-	-	54,074	880	-
Sweet potatoes	-	-	-	-	-	-	8,273	*	-
<b>Other Temporary</b>	-	-	-	*	*	*	60,732	*	-
<b>Permanent crops</b>							256,932	44,165	
Avocado							43,855	182	
Bananas							45,870	386	
Guava							7,852	*	
Lemons							8,109	30	
Mangoes							10,028	*	
Oranges							47,571	357	
Papayas							27,996	71	
Pineapples							*	*	
Chat							98,583	4,391	
Coffee							105,293	3,901	
Hops / 'Geshe'							48,020	*	
Enset							239,770	33,361	
Sugar cane							25,650	140	
Other permanent							62,762	246	

(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>	52,134	11,702	5,725	59,595	21,121	5,467	473	38,369	11,822
<b>Cereals</b>	32,296	11,237	5,457	52,448	20,771	*	*	30,874	10,569
Teff	*	*	*	22,228	7,106	-	-	*	*
Barley	*	*	*	16,010	1,336	*	*	*	*
Wheat	5,255	847	1,319	39,935	12,046	*	*	6,798	*
Maize	19,212	6,898	1,868	*	*	*	*	13,088	*
Sorghum	*	*	-	*	*	-	-	*	*
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	*	*	*	*	*	-	-	2,519	*
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>	*	8	-	*	*	*	*	*	*
Lettuce	*	*	-	-	-	-	-	-	-
Head cabbage	*	5	-	-	-	*	*	*	*
Ethiopian cabbage	*	*	-	*	*	*	*	*	*
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	*	*	-	-	-	-	-	*	*
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	*	*	-	-	-	*	*	*	*
<b>Root crops</b>	6,686	15	-	*	*	*	*	*	*
Beetroot	3,017	*	-	-	-	*	*	3,306	*
Carrot	*	*	-	*	*	*	*	*	*
Onion	*	*	-	-	-	*	*	*	*
Potatoes	*	*	-	-	-	*	*	*	*
Garlic	*	*	-	*	*	*	*	*	*
Taro 'Godere'	-	-	-	-	-	*	*	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
<b>Other Temporary</b>	-	-	-	-	-	-	-	*	*
<b>Permanent crops</b>				8,118	207	2,971	*	*	61
Avocado				*	*	-	-	*	*
Bananas				*	*	*	*	-	-
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	*	*
Mangoes				-	-	-	-	*	*
Oranges				*	*	-	-	-	-
Papayas				-	-	-	-	*	*
Pineapples				-	-	-	-	-	-
Chat				*	*	-	-	*	*
Coffee	*	*	-	2,454	*	*	*	*	*
Hops / 'Geshe'				-	-	*	*	*	*
Enset				3,210	161	*	*	-	-
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>	146,478	128,784	120,163	216,997	31,638	156,094	64,942	67,215
<b>Cereals</b>	103,848	92,801	92,635	62,037	7,295	143,857	57,024	53,972
Teff	43,848	40,958	31,003	7,221	1,059	78,202	28,733	21,809
Barley	5,703	5,649	6,032	6,280	196	38,847	4,436	4,635
Wheat	28,866	28,689	46,268	4,364	412	68,447	13,300	19,326
Maize	17,622	15,010	8,410	40,383	4,176	50,545	9,690	7,437
Sorghum	7,048	2,082	*	24,159	1,410	8,387	522	*
Finger millet	*	*	*	1,953	40	*	*	*
Oats / 'Aja'	*	*	*	*	*	*	*	*
Rice	*	*	-	*	*	-	-	-
<b>Pulses</b>	9,349	8,561	*	31,716	1,193	51,397	4,909	7,016
Horse / Faba beans	6,292	6,061	*	6,288	*	31,689	3,252	5,115
Field Peas	*	*	*	*	*	7,968	*	*
Haricot beans	1,655	1,230	1,015	25,089	653	18,382	502	774
Chick peas	*	*	*	*	*	*	*	*
Lentils	103	101	38	*	*	2,496	48	*
Vetch / Grass peas	*	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	42	*	*	*	*	*	*	*
Gibto	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	*	99	38	3,099	*	3,790	62	32
Neug	*	-	-	-	-	-	-	-
Linseed	*	87	29	2,791	*	3,482	53	22
Groundnuts	*	*	-	*	*	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Rapeseed	*	*	*	*	*	*	*	*
<b>Vegetables</b>	3,920	3,369	*	163,504	2,070	*	*	*
Lettuce	*	*	-	*	*	-	-	-
Head cabbage	29	28	-	9,332	28	-	-	-
Ethiopian cabbage	1,907	1,842	33	158,903	1,824	3,168	13	21
Tomatoes	22	9	*	3,147	*	-	-	-
Green peppers	*	*	*	17,718	81	*	*	*
Red peppers	*	*	*	*	*	*	*	*
Swiss chard	*	*	-	1,276	*	-	-	-
<b>Root crops</b>	3,118	2,191	2,161	83,258	1,061	20,530	540	868
Beetroot	49	37	*	20,209	36	*	*	*
Carrot	*	*	*	*	*	-	-	-
Onion	24	22	*	13,795	22	*	*	*
Potatoes	1,496	1,363	2,116	23,372	272	18,332	503	828
Garlic	*	*	-	1,595	*	-	-	-
Taro 'Godere'	454	255	*	26,411	220	*	*	*
Sweet potatoes	*	508	*	22,479	505	*	*	*
<b>Other Temporary</b>	1,051	870	*	68,653	840	2,323	20	*
<b>Permanent crops</b>	24,892	20,894	*	209,605	19,147	*	*	*
Avocado	452	*	*	55,538	270	*	*	*
Bananas	1,337	802	*	71,578	580	*	*	*
Guava	*	*	*	*	*	*	*	*
Lemons	*	*	*	*	*	*	*	*
Mangoes	74	*	*	8,010	*	*	*	*
Oranges	*	*	*	5,982	*	*	*	*
Papayas	56	49	*	12,465	49	*	*	*
Pineapples	*	-	-	-	-	*	*	*
Chat	1,805	1,418	*	41,899	1,176	*	*	*
Coffee	4,360	2,764	*	75,114	1,902	*	*	*
Hops / 'Gescho'	184	151	*	22,701	118	*	*	*
Enset	15,143	14,607	*	197,829	14,586	*	*	*
Sugar cane	1,069	387	*	29,635	323	*	*	*
Other permanent	*	*	*	27,898	50	*	*	*

(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>	*	*	*	84,927	30,751	52,103	225,535	141,119	109,396
<b>Cereals</b>	*	*	*	80,960	27,996	38,105	206,341	98,919	97,787
Teff	*	*	*	48,445	11,033	9,111	130,796	41,867	17,695
Barley	*	*	*	13,436	878	1,211	57,642	5,703	10,158
Wheat	*	*	*	51,928	14,777	26,658	116,770	27,859	59,602
Maize	*	*	*	13,062	1,129	969	85,736	15,789	7,983
Sorghum	-	-	-	2,843	*	*	75,889	6,965	2,032
Finger millet	-	-	-	*	*	*	12,993	*	*
Oats / 'Aja'	-	-	-	-	-	-	1,291	*	*
Rice	-	-	-	-	-	-	*	*	-
<b>Pulses</b>	*	*	*	12,076	1,535	*	99,173	9,281	11,444
Horse / Faba beans	*	*	*	7,978	1,381	*	49,200	6,292	8,239
Field Peas	-	-	-	*	*	*	9,542	*	*
Haricot beans	-	-	-	2,557	*	*	50,617	1,645	1,483
Chick peas	-	-	-	-	-	-	2,199	*	*
Lentils	-	-	-	*	*	*	4,346	103	39
Vetch / Grass peas	-	-	-	-	-	-	*	*	*
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	*	*	*	2,335	42	*
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	*	*	*	11,065	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	*	*	*	10,133	*	*
Groundnuts	-	-	-	-	-	-	*	*	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	*	*	*
<b>Vegetables</b>	-	-	-	2,761	52	*	174,480	3,910	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	-	-	-	-	-	-	10,036	28	-
Ethiopian cabbage	-	-	-	*	*	*	166,361	1,898	-
Tomatoes	-	-	-	*	*	*	6,936	22	-
Green peppers	-	-	-	*	*	*	19,963	*	-
Red peppers	-	-	-	*	*	*	18,511	*	-
Swiss chard	-	-	-	-	-	-	1,276	*	-
<b>Root crops</b>	*	*	*	8,053	557	1,122	116,485	3,115	-
Beetroot	-	-	-	*	*	*	25,914	47	-
Carrot	-	-	-	*	*	*	2,501	*	-
Onion	-	-	-	-	-	-	15,352	24	-
Potatoes	*	*	*	7,372	555	1,117	51,677	1,496	-
Garlic	-	-	-	-	-	-	1,592	*	-
Taro 'Godere'	-	-	-	-	-	-	32,858	454	-
Sweet potatoes	-	-	-	*	*	*	31,515	*	-
<b>Other Temporary</b>	-	-	-	*	*	*	78,211	1,051	-
<b>Permanent crops</b>							214,344	24,549	
Avocado							70,922	428	
Bananas							93,100	1,319	
Guava							*	*	
Lemons							*	*	
Mangoes							12,153	72	
Oranges							8,854	*	
Papayas							15,328	56	
Pineapples							-	-	
Chat							55,570	1,786	
Coffee							98,918	4,334	
Hops / 'Gescho'							33,716	184	
Enset							201,116	14,963	
Sugar cane							48,889	1,059	
Other permanent							36,632	*	

(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>	26,442	4,495	3,011	176,649	71,990	2,218	*	15,462	*
<b>Cereals</b>	22,948	4,418	3,011	173,513	70,017	*	*	13,889	*
Teff	*	*	*	116,868	39,572	-	-	*	*
Barley	-	-	-	31,543	4,029	-	-	-	-
Wheat	4,223	867	1,637	105,792	25,471	-	-	1,882	429
Maize	17,218	*	*	4,075	538	*	*	10,330	*
Sorghum	-	-	-	*	*	-	-	*	*
Finger millet	-	-	-	*	*	-	-	-	-
Oats / 'Aja'	-	-	-	*	*	-	-	*	*
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	*	*	-	6,194	*	*	*	*	*
Horse / Faba beans	-	-	-	3,500	*	-	-	-	-
Field Peas	*	*	-	*	*	-	-	-	-
Haricot beans	-	-	-	*	*	-	-	*	*
Chick peas	-	-	-	*	*	*	*	-	-
Lentils	-	-	-	*	*	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	2,856	*	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	2,856	*	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
<b>Vegetables</b>	*	*	-	3,904	*	*	*	*	*
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>				14,150	632	*	*	*	*
Avocado				*	*	*	*	*	*
Bananas				*	*	-	-	-	-
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	-	-	-	-
Oranges				-	-	-	-	-	-
Papayas				*	*	-	-	*	*
Pineapples				-	-	-	-	-	-
Chat				5,309	*	-	-	-	-
Coffee	*	*	-	*	*	-	-	*	*
Hops / 'Geshe'				*	*	-	-	-	-
Enset				*	*	-	-	-	-
Sugar cane				*	*	-	-	-	-
Other permanent				*	*	*	*	*	*

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

**Kembata-Tembaro**

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
<b>All</b>	58,240	51,422	36,325	115,907	22,696	74,016	18,822	20,589
<b>Cereals</b>	26,079	23,958	24,495	20,609	1,411	64,456	15,065	14,049
Teff	10,879	10,731	8,213	2,228	*	40,725	7,803	5,642
Barley	1,280	1,168	1,041	3,195	121	9,593	716	626
Wheat	8,491	8,269	12,248	2,964	215	25,477	4,035	5,793
Maize	*	*	*	6,410	*	*	*	*
Sorghum	2,212	742	*	9,408	455	3,953	199	199
Finger millet	149	140	122	*	*	3,446	114	111
Oats / 'Aja'	*	*	*	*	*	*	*	*
Rice	-	-	-	-	-	-	-	-
<b>Pulses</b>	5,267	4,515	3,944	30,540	1,091	28,113	2,688	2,982
Horse / Faba beans	3,589	3,278	2,742	20,561	745	22,007	1,898	2,064
Field Peas	613	453	588	5,039	84	6,123	319	476
Haricot beans	*	*	583	15,018	261	5,921	*	*
Chick peas	-	-	-	-	-	-	-	-
Lentils	*	*	*	-	-	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	*	*	*	*	*	-	-	-
Fenugreek	*	*	*	*	*	*	*	*
Gibto	*	*	*	-	-	*	*	*
<b>Oilseeds</b>	*	154	*	3,382	*	*	*	*
Neug	-	-	-	-	-	-	-	-
Linseed	*	*	*	2,547	*	*	*	*
Groundnuts	*	*	-	*	*	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Rapeseed	*	*	-	*	*	-	-	-
<b>Vegetables</b>	1,371	1,316	*	81,626	941	2,210	*	*
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	34	32	*	5,776	28	*	*	*
Ethiopian cabbage	829	821	63	79,499	805	1,036	9	*
Tomatoes	*	46	*	3,007	38	*	*	*
Green peppers	20	20	-	2,696	20	-	-	-
Red peppers	*	*	*	*	*	*	*	*
Swiss chard	*	*	-	*	*	-	-	-
<b>Root crops</b>	6,601	5,125	3,643	72,958	3,696	16,699	691	2,068
Beetroot	39	*	*	4,980	*	*	*	*
Carrot	*	*	*	3,507	*	*	*	*
Onion	*	*	*	3,921	10	*	*	*
Potatoes	1,674	1,564	3,272	17,740	398	14,404	590	1,959
Garlic	*	*	*	1,521	2	*	*	*
Taro 'Godere'	2,553	2,032	*	45,834	1,954	*	*	*
Sweet potatoes	2,135	1,350	*	38,878	1,271	*	*	*
<b>Other Temporary</b>	3,674	3,043	*	56,900	2,478	1,034	*	*
<b>Permanent crops</b>	14,900	13,311		113,559	12,953			
Avocado	463	397		58,590	394			
Bananas	1,404	952		60,022	847			
Guava	*	3		2,097	3			
Lemons	*	*		2,171	*			
Mangoes	83	57		16,313	56			
Oranges	46	46		7,540	46			
Papayas	24	20		6,959	17			
Pineapples	-	-		-	-			
Chat	649	*		12,808	*			
Coffee	3,458	2,935		73,371	2,762			
Hops / 'Gescho'	78	64		13,251	64			
Enset	7,947	7,827		108,922	7,802			
Sugar cane	640	376		25,265	350			
Other permanent	*	*		14,968	*			



(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>	5,126	*	*	37,183	9,368	14,639	118,344	56,770	31,153
<b>Cereals</b>	*	*	*	30,020	7,477	10,443	89,775	24,880	25,655
Teff	*	*	*	15,491	2,784	2,568	55,024	10,879	4,038
Barley	-	-	-	5,183	331	415	18,632	1,263	2,354
Wheat	-	-	-	19,035	4,019	6,455	44,611	8,082	18,030
Maize	-	-	-	*	*	*	11,813	*	*
Sorghum	-	-	-	*	*	*	26,935	2,212	453
Finger millet	-	-	-	*	*	*	5,206	134	50
Oats / 'Aja'	-	-	-	-	-	-	*	*	*
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	*	*	*	8,130	734	960	59,873	5,198	5,386
Horse / Faba beans	-	-	-	5,383	635	679	44,286	3,553	4,056
Field Peas	-	-	-	*	*	*	14,516	610	465
Haricot beans	*	*	*	*	*	*	25,570	*	*
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	*	*	*	*	*	*
Fenugreek	-	-	-	*	*	*	*	*	*
Gibto	-	-	-	-	-	-	*	*	*
<b>Oilseeds</b>	-	-	-	*	*	*	5,565	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	*	*	*	4,563	*	*
Groundnuts	-	-	-	-	-	-	*	*	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	*	*	*
<b>Vegetables</b>	-	-	-	*	*	*	83,532	1,366	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	*	*	*	6,642	34	-
Ethiopian cabbage	-	-	-	*	*	*	80,533	825	-
Tomatoes	-	-	-	*	*	*	4,701	79	-
Green peppers	-	-	-	-	-	-	2,901	20	-
Red peppers	-	-	-	*	*	*	6,222	*	-
Swiss chard	-	-	-	-	-	-	*	*	-
<b>Root crops</b>	*	*	*	10,137	629	1,385	91,411	6,552	-
Beetroot	-	-	-	*	*	*	6,690	39	-
Carrot	*	*	*	*	*	*	7,145	*	-
Onion	-	-	-	*	*	*	5,281	*	-
Potatoes	-	-	-	9,094	576	*	37,420	1,674	-
Garlic	-	-	-	*	*	*	*	*	-
Taro 'Godere'	*	*	*	-	-	-	48,851	2,505	-
Sweet potatoes	*	*	*	*	*	*	47,608	2,133	-
<b>Other Temporary</b>	*	*	*	*	*	*	64,428	3,669	-
<b>Permanent crops</b>							114,948	14,757	
Avocado							66,092	459	
Bananas							71,049	1,389	
Guava							2,444	*	
Lemons							2,685	*	
Mangoes							22,192	80	
Oranges							8,233	46	
Papayas							9,137	24	
Pineapples							-	-	
Chat							15,357	640	
Coffee							77,841	3,351	
Hops / 'Geshe'							20,082	78	
Enset							109,981	7,943	
Sugar cane							35,229	640	
Other permanent							24,314	*	

(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>	8,093	1,192	1,089	65,290	15,932	2,993	*	7,215	1,140
<b>Cereals</b>	*	1,164	1,082	53,613	13,964	*	*	5,842	1,093
Teff	-	-	-	37,075	7,675	*	*	*	*
Barley	*	*	*	4,949	332	-	-	*	*
Wheat	1,701	408	880	30,878	5,882	*	*	2,169	*
Maize	*	*	*	*	*	*	*	*	*
Sorghum	-	-	-	*	*	*	*	*	*
Finger millet	*	*	*	*	*	-	-	*	*
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	*	*	*	4,066	268	*	*	*	*
Horse / Faba beans	*	*	*	1,863	153	-	-	*	*
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>	-	-	-	5,943	*	*	*	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	*	*	*	*	-	-
Ethiopian cabbage	-	-	-	2,919	*	*	*	*	*
Tomatoes	-	-	-	*	*	*	*	*	*
Green peppers	-	-	-	-	-	-	-	-	-
Red peppers	-	-	-	*	*	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	-	-	-	19,464	1,087	*	*	*	*
Beetroot	-	-	-	-	-	*	*	-	-
Carrot	-	-	-	*	*	*	*	-	-
Onion	-	-	-	*	*	*	*	-	-
Potatoes	-	-	-	18,407	1,050	-	-	-	-
Garlic	-	-	-	*	*	-	-	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	*	*	*	*	*	*
<b>Other Temporary</b>	*	*	-	*	*	*	*	-	-
<b>Permanent crops</b>				4,223	*	*	*	2,367	22
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>	238,063	174,438	133,318	605,382	115,418	142,768	28,554	39,424
<b>Cereals</b>	60,099	46,270	86,258	103,386	4,102	113,581	18,785	22,068
Teff	*	*	2,962	*	*	14,084	*	*
Barley	4,149	*	*	*	*	*	*	*
Wheat	5,238	3,222	*	*	*	*	*	*
Maize	46,996	39,399	80,621	83,269	2,313	97,366	14,265	17,601
Sorghum	*	*	-	*	*	-	-	-
Finger millet	*	-	-	-	-	-	-	-
Oats / 'Aja'	*	-	-	-	-	-	-	-
Rice	*	-	-	-	-	-	-	-
<b>Pulses</b>	13,301	7,244	13,735	61,396	1,457	49,627	3,902	6,090
Horse / Faba beans	3,505	*	-	18,704	*	-	-	-
Field Peas	*	*	*	*	*	*	*	*
Haricot beans	8,872	6,293	12,421	38,674	856	45,807	3,607	*
Chick peas	-	-	-	-	-	-	-	-
Lentils	*	*	-	*	*	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	*	*	-	3,098	*	-	-	-
Neug	-	-	-	-	-	-	-	-
Linseed	*	*	-	*	*	-	-	-
Groundnuts	*	*	-	*	*	-	-	-
Safflower	*	-	-	-	-	-	-	-
Sesame	*	-	-	-	-	-	-	-
Rapeseed	*	*	-	*	*	-	-	-
<b>Vegetables</b>	8,070	6,662	*	296,731	3,926	18,707	*	1,098
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	*	*	-	-	-
Ethiopian cabbage	4,070	3,429	433	278,282	3,331	11,067	75	311
Tomatoes	-	-	-	-	-	-	-	-
Green peppers	*	*	*	31,605	121	-	-	-
Red peppers	*	*	*	14,498	*	*	*	*
Swiss chard	-	-	-	-	-	-	-	-
<b>Root crops</b>	4,417	3,162	*	103,837	1,954	12,916	*	*
Beetroot	10	*	-	3,075	*	-	-	-
Carrot	*	*	-	*	*	-	-	-
Onion	*	*	-	37,757	*	-	-	-
Potatoes	*	*	*	*	*	*	*	*
Garlic	*	*	-	*	*	-	-	-
Taro 'Godere'	355	224	*	21,491	210	*	*	*
Sweet potatoes	2,353	*	*	40,669	*	*	*	*
<b>Other Temporary</b>	1,372	729	*	92,554	725	-	-	-
<b>Permanent crops</b>	150,525	110,238		589,431	103,120			
Avocado	1,216	710		71,530	611			
Bananas	4,715	3,471		173,966	3,184			
Guava	63	23		6,221	23			
Lemons	*	*		*	*			
Mangoes	*	*		*	*			
Oranges	15	*		*	*			
Papayas	*	*		*	*			
Pineapples	-	-		-	-			
Chat	18,142	10,777		152,303	9,543			
Coffee	39,493	24,456		369,610	20,232			
Hops / 'Gescho'	326	*		13,825	*			
Enset	82,201	68,544		579,775	67,600			
Sugar cane	4,052	1,819		75,612	1,683			
Other permanent	*	*		*	*			

(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>	13,256	1,183	3,570	112,456	29,283	90,323	679,493	207,201	44,645
<b>Cereals</b>	3,078	*	*	105,453	23,252	64,062	289,745	32,018	30,647
Teff	-	-	-	*	*	*	23,632	2,292	2,143
Barley	-	-	-	-	-	-	43,154	4,073	8,078
Wheat	-	-	-	*	*	*	39,734	4,597	8,205
Maize	3,078	*	*	103,867	22,691	62,893	218,295	20,082	11,511
Sorghum	-	-	-	-	-	-	18,864	*	*
Finger millet	-	-	-	-	-	-	*	*	*
Oats / 'Aja'	-	-	-	-	-	-	*	*	-
Rice	-	-	-	-	-	-	*	*	*
<b>Pulses</b>	*	*	*	23,998	1,796	*	190,970	13,288	13,936
Horse / Faba beans	-	-	-	-	-	-	65,709	3,494	5,019
Field Peas	-	-	-	*	*	*	16,863	*	*
Haricot beans	*	*	*	23,205	*	*	115,797	8,870	8,025
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	-	-	-	8,543	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	5,418	*	*
Groundnuts	-	-	-	-	-	-	*	*	-
Safflower	-	-	-	-	-	-	*	*	*
Sesame	-	-	-	-	-	-	*	*	*
Rapeseed	-	-	-	-	-	-	*	*	-
<b>Vegetables</b>	*	*	*	*	*	*	370,743	7,879	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	*	*	-
Ethiopian cabbage	-	-	-	*	*	*	333,124	4,046	-
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	*	*	*	44,051	269	-
Red peppers	*	*	*	*	*	*	42,853	*	-
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	*	*	*	*	*	*	168,904	4,381	-
Beetroot	-	-	-	-	-	-	4,023	5	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	-	-	-	-	-	-	38,606	*	-
Potatoes	*	*	*	-	-	-	13,959	*	-
Garlic	-	-	-	-	-	-	*	*	-
Taro 'Godere'	-	-	-	-	-	-	31,745	354	-
Sweet potatoes	*	*	*	*	*	*	89,868	2,326	-
<b>Other Temporary</b>	-	-	-	*	*	*	132,937	1,333	-
<b>Permanent crops</b>							674,114	148,022	
Avocado							144,018	1,213	
Bananas							231,483	4,687	
Guava							16,727	63	
Lemons							*	*	
Mangoes							*	*	
Oranges							6,290	15	
Papayas							6,323	*	
Pineapples							-	-	
Chat							267,059	18,075	
Coffee							464,497	37,877	
Hops / 'Gescho'							29,643	326	
Enset							664,725	81,607	
Sugar cane							149,182	3,865	
Other permanent							28,665	*	

(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>	143,477	29,442	11,362	35,803	*	*	*	41,432	*
<b>Cereals</b>	129,324	27,987	11,362	*	*	-	-	33,722	*
Teff	*	*	*	-	-	-	-	-	-
Barley	-	-	-	*	*	-	-	-	-
Wheat	*	*	*	-	-	-	-	*	*
Maize	127,799	26,897	10,394	*	*	-	-	32,960	*
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>				31,118	*	*	*	12,415	*
Avocado				-	-	-	-	*	*
Bananas				-	-	-	-	*	*
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	-	-	-	-
Oranges				-	-	-	-	-	-
Papayas				-	-	-	-	-	-
Pineapples				-	-	-	-	-	-
Chat				*	*	-	-	*	*
Coffee	*	*	-	*	*	*	*	7,786	*
Hops / 'Gesho'				-	-	-	-	-	-
Enset				6,979	331	*	*	-	-
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>	59,967	15,553	*	103,410	14,505	*	*	*
<b>Cereals</b>	8,244	2,628	2,226	19,657	*	*	*	*
Teff	*	-	-	-	-	-	-	-
Barley	3,610	*	*	*	*	*	*	*
Wheat	*	*	*	-	-	*	*	*
Maize	3,346	1,024	2,134	13,402	252	*	*	*
Sorghum	*	-	-	-	-	-	-	-
Finger millet	-	-	-	-	-	-	-	-
Oats / 'Aja'	*	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
<b>Pulses</b>	2,881	*	*	9,106	*	*	*	*
Horse / Faba beans	1,600	*	*	4,008	*	*	*	*
Field Peas	789	*	-	*	*	-	-	-
Haricot beans	*	*	*	4,336	38	-	-	-
Chick peas	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	*	*	-	*	*	-	-	-
Neug	*	-	-	-	-	-	-	-
Linseed	*	*	-	*	*	-	-	-
Groundnuts	*	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Rapeseed	*	*	-	*	*	-	-	-
<b>Vegetables</b>	1,735	922	*	69,959	886	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	*	-	-	-	-	-	-	-
Ethiopian cabbage	1,679	907	*	68,206	870	-	-	-
Tomatoes	*	-	-	-	-	-	-	-
Green peppers	52	15	-	6,610	15	-	-	-
Red peppers	*	-	-	-	-	-	-	-
Swiss chard	*	-	-	-	-	-	-	-
<b>Root crops</b>	737	121	-	16,203	121	-	-	-
Beetroot	1	*	-	*	*	-	-	-
Carrot	*	-	-	-	-	-	-	-
Onion	*	-	-	-	-	-	-	-
Potatoes	*	*	-	*	*	-	-	-
Garlic	*	*	-	*	*	-	-	-
Taro 'Godere'	323	*	-	13,797	*	-	-	-
Sweet potatoes	*	*	-	2,237	*	-	-	-
<b>Other Temporary</b>	*	*	-	21,873	*	-	-	-
<b>Permanent crops</b>	45,547	10,842	-	92,608	10,730	-	-	-
Avocado	526	184	-	18,163	184	-	-	-
Bananas	879	*	-	8,862	*	-	-	-
Guava	*	*	-	*	*	-	-	-
Lemons	*	-	-	-	-	-	-	-
Mangoes	*	-	-	-	-	-	-	-
Oranges	*	-	-	-	-	-	-	-
Papayas	-	-	-	-	-	-	-	-
Pineapples	-	-	-	-	-	-	-	-
Chat	56	*	-	1,049	*	-	-	-
Coffee	23,755	4,343	-	66,210	4,308	-	-	-
Hops / 'Gescho'	*	*	-	*	*	-	-	-
Enset	19,370	5,980	-	84,710	5,921	-	-	-
Sugar cane	701	*	-	8,379	*	-	-	-
Other permanent	*	*	-	*	*	-	-	-

(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>	*	*	*	*	*	*	174,453	58,523	9,426
<b>Cereals</b>	*	*	*	*	*	1,955	66,309	7,389	6,678
Teff	-	-	-	-	-	-	*	*	*
Barley	-	-	-	-	-	-	23,886	3,588	3,928
Wheat	-	-	-	-	-	-	*	*	*
Maize	*	*	*	*	*	1,955	43,531	2,515	1,526
Sorghum	-	-	-	-	-	-	*	*	*
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	*	*	-
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	*	*	*	-	-	-	40,617	2,881	2,738
Horse / Faba beans	-	-	-	-	-	-	22,329	1,600	1,605
Field Peas	-	-	-	-	-	-	6,248	789	*
Haricot beans	*	*	*	-	-	-	19,618	*	*
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	-	-	-	2,023	*	*
Neug	-	-	-	-	-	-	*	*	-
Linseed	-	-	-	-	-	-	*	*	*
Groundnuts	-	-	-	-	-	-	*	*	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	*	*	*
<b>Vegetables</b>	-	-	-	*	*	*	119,423	1,721	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	*	*	-
Ethiopian cabbage	-	-	-	*	*	*	115,374	1,666	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	13,538	52	-
Red peppers	-	-	-	-	-	-	*	*	-
Swiss chard	-	-	-	-	-	-	*	*	-
<b>Root crops</b>	-	-	-	-	-	-	42,892	736	-
Beetroot	-	-	-	-	-	-	*	*	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	-	-	-	-	-	-	*	*	-
Potatoes	-	-	-	-	-	-	*	*	-
Garlic	-	-	-	-	-	-	*	*	-
Taro 'Godere'	-	-	-	-	-	-	30,869	322	-
Sweet potatoes	-	-	-	-	-	-	12,968	*	-
<b>Other Temporary</b>	-	-	-	-	-	-	47,026	*	-
<b>Permanent crops</b>	-	-	-	-	-	-	173,657	44,983	-
Avocado	-	-	-	-	-	-	52,537	522	-
Bananas	-	-	-	-	-	-	34,210	873	-
Guava	-	-	-	-	-	-	*	*	-
Lemons	-	-	-	-	-	-	*	*	-
Mangoes	-	-	-	-	-	-	*	*	-
Oranges	-	-	-	-	-	-	1,133	*	-
Papayas	-	-	-	-	-	-	-	-	-
Pineapples	-	-	-	-	-	-	-	-	-
Chat	-	-	-	-	-	-	4,063	53	-
Coffee	-	-	-	-	-	-	153,397	23,253	-
Hops / 'Geshe'	-	-	-	-	-	-	7,995	*	-
Enset	-	-	-	-	-	-	165,808	19,336	-
Sugar cane	-	-	-	-	-	-	23,862	687	-
Other permanent	-	-	-	-	-	-	9,408	*	-

(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>	14,934	1,194	352	3,440	240	*	*	3,320	327
<b>Cereals</b>	7,346	*	352	*	*	-	-	1,605	*
Teff	-	-	-	*	*	-	-	-	-
Barley	-	-	-	*	*	-	-	-	-
Wheat	-	-	-	-	-	-	-	-	-
Maize	7,346	*	352	*	*	-	-	1,326	*
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>				1,332	*	*	*	1,428	*
Avocado				-	-	-	-	*	*
Bananas				*	*	-	-	-	-
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	-	-	-	-
Oranges				-	-	-	-	-	-
Papayas				-	-	-	-	-	-
Pineapples				-	-	-	-	-	-
Chat				-	-	-	-	-	-
Coffee	6,545	*	-	*	*	-	-	1,428	*
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>	115,198	92,044	21,155	274,926	56,843	137,515	33,960	20,044
<b>Cereals</b>	43,371	35,853	16,895	70,988	8,556	117,641	26,278	16,052
Teff	22,558	20,714	10,520	21,648	2,147	95,069	18,162	10,256
Barley	*	*	*	*	*	5,476	*	*
Wheat	3,017	2,698	*	5,114	175	19,255	*	*
Maize	*	*	*	41,879	*	17,962	*	*
Sorghum	1,458	*	*	12,113	*	*	*	*
Finger millet	-	-	-	-	-	-	-	-
Oats / 'Aja'	*	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
<b>Pulses</b>	16,808	12,268	3,034	104,009	5,575	52,270	6,617	2,975
Horse / Faba beans	1,337	883	*	24,383	651	1,439	*	*
Field Peas	1,941	1,141	*	27,217	982	*	*	*
Haricot beans	13,116	10,087	2,708	71,714	3,789	47,957	6,267	2,694
Chick peas	284	*	-	*	*	-	-	-
Lentils	*	*	-	*	*	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	*	*	-	*	*	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Gibto	*	*	*	-	-	*	*	*
<b>Oilseeds</b>	*	*	*	*	*	*	*	*
Neug	-	-	-	-	-	-	-	-
Linseed	*	*	*	-	-	*	*	*
Groundnuts	*	*	-	*	*	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-
<b>Vegetables</b>	*	1,655	-	92,595	1,655	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	*	*	-	-	-
Ethiopian cabbage	872	815	-	80,311	815	-	-	-
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	97	96	-	14,496	96	-	-	-
Red peppers	*	*	-	11,510	*	-	-	-
Swiss chard	*	*	-	*	*	-	-	-
<b>Root crops</b>	21,029	16,917	778	235,684	15,901	14,576	879	605
Beetroot	*	*	*	*	*	*	*	*
Carrot	*	*	*	*	*	*	*	*
Onion	*	*	*	7,913	*	*	*	*
Potatoes	1,296	1,199	*	23,751	427	10,114	*	*
Garlic	*	*	-	*	*	-	-	-
Taro 'Godere'	5,155	4,431	*	151,723	4,417	*	*	*
Sweet potatoes	13,910	10,757	130	202,741	10,662	3,714	85	98
<b>Other Temporary</b>	9,368	5,926	*	134,572	5,905	*	*	*
<b>Permanent crops</b>	22,448	19,418		264,732	19,245			
Avocado	1,272	938		114,846	936			
Bananas	1,532	1,012		101,443	1,007			
Guava	19	12		2,608	12			
Lemons	36	32		7,480	32			
Mangoes	519	332		49,959	332			
Oranges	109	43		18,425	43			
Papayas	90	75		27,503	75			
Pineapples	-	-		-	-			
Chat	*	*		1,461	*			
Coffee	6,162	5,051		189,626	4,898			
Hops / 'Gescho'	21	*		3,377	*			
Enset	11,458	11,030		251,296	11,019			
Sugar cane	830	600		57,531	600			
Other permanent	364	*		18,050	*			

(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>	3,978	235	220	7,963	1,007	891	284,969	114,354	30,897
<b>Cereals</b>	2,879	179	159	6,872	840	*	185,758	42,685	20,998
Teff	*	*	98	2,945	275	167	125,500	22,285	11,685
Barley	-	-	-	-	-	-	14,767	*	*
Wheat	*	*	*	*	*	*	30,155	2,993	*
Maize	*	*	*	*	*	*	65,624	*	3,097
Sorghum	*	*	*	-	-	-	24,448	1,458	142
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	*	*	-
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	*	*	*	*	*	*	178,151	16,782	9,893
Horse / Faba beans	*	*	*	-	-	-	38,735	1,337	1,374
Field Peas	*	*	*	-	-	-	47,688	1,941	1,565
Haricot beans	*	*	*	*	*	*	133,966	13,090	6,848
Chick peas	-	-	-	-	-	-	5,300	284	75
Lentils	-	-	-	-	-	-	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	*	*	*
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	*	*	*
<b>Oilseeds</b>	-	-	-	-	-	-	*	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	*	*	*
Groundnuts	-	-	-	-	-	-	*	*	*
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
<b>Vegetables</b>	-	-	-	-	-	-	99,073	*	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	*	*	-
Ethiopian cabbage	-	-	-	-	-	-	83,541	866	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	16,270	97	-
Red peppers	-	-	-	-	-	-	14,075	*	-
Swiss chard	-	-	-	-	-	-	*	*	-
<b>Root crops</b>	*	*	*	*	*	*	259,108	21,005	-
Beetroot	-	-	-	-	-	-	*	*	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	-	-	-	-	-	-	9,365	*	-
Potatoes	*	*	*	*	*	*	37,757	1,296	-
Garlic	-	-	-	-	-	-	*	*	-
Taro 'Godere'	-	-	-	*	*	*	166,577	5,155	-
Sweet potatoes	-	-	-	*	*	*	234,246	13,886	-
<b>Other Temporary</b>	-	-	-	-	-	-	159,495	9,364	-
<b>Permanent crops</b>							276,838	22,350	
Avocado							148,066	1,256	
Bananas							137,701	1,528	
Guava							6,232	19	
Lemons							8,595	36	
Mangoes							65,965	518	
Oranges							28,240	92	
Papayas							36,615	90	
Pineapples							-	-	
Chat							2,567	*	
Coffee							210,178	6,129	
Hops / 'Geshe'							5,317	21	
Enset							259,715	11,449	
Sugar cane							74,607	812	
Other permanent							22,711	364	

(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>	7,579	703	312	15,329	*	*	*	12,045	*
<b>Cereals</b>	3,822	686	312	6,587	*	*	*	*	*
Teff	*	*	*	5,857	*	-	-	*	*
Barley	-	-	-	-	-	-	-	*	*
Wheat	*	*	*	-	-	-	-	*	*
Maize	1,922	*	*	*	*	*	*	*	*
Sorghum	-	-	-	*	*	-	-	*	*
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	-	-	-	1,488	*	*	*	*	*
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>	*	*	-	3,986	*	-	-	*	*
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	-	-	-
Potatoes	-	-	-	*	*	-	-	*	*
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	*	*	-	-	*	*
Sweet potatoes	*	*	-	2,884	*	-	-	*	*
<b>Other Temporary</b>	-	-	-	*	*	-	-	*	*
<b>Permanent crops</b>	-	-	-	2,928	*	*	*	*	*
Avocado	-	-	-	*	*	*	*	-	-
Bananas	-	-	-	*	*	*	*	-	-
Guava	-	-	-	-	-	-	-	-	-
Lemons	-	-	-	-	-	-	-	-	-
Mangoes	-	-	-	*	*	-	-	-	-
Oranges	-	-	-	*	*	-	-	-	-
Papayas	-	-	-	-	-	-	-	*	*
Pineapples	-	-	-	-	-	-	-	-	-
Chat	-	-	-	-	-	-	-	-	-
Coffee	*	*	-	*	*	-	-	*	*
Hops / 'Geshe'	-	-	-	-	-	-	-	-	-
Enset	-	-	-	*	*	-	-	-	-
Sugar cane	-	-	-	-	-	-	-	-	-
Other permanent	-	-	-	-	-	-	-	*	*

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

**South Omo**

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
<b>All</b>	55,474	1,974	*	22,519	1,629	-	-	-
<b>Cereals</b>	36,825	543	*	2,415	*	-	-	-
Teff	6,522	-	-	-	-	-	-	-
Barley	2,396	*	-	*	*	-	-	-
Wheat	1,808	*	*	*	*	-	-	-
Maize	15,405	*	*	*	*	-	-	-
Sorghum	10,476	*	-	*	*	-	-	-
Finger millet	*	*	-	*	*	-	-	-
Oats / 'Aja'	*	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
<b>Pulses</b>	5,030	*	*	*	*	-	-	-
Horse / Faba beans	1,335	*	-	*	*	-	-	-
Field Peas	*	-	-	-	-	-	-	-
Haricot beans	2,418	*	*	-	-	-	-	-
Chick peas	*	-	-	-	-	-	-	-
Lentils	*	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	*	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	346	*	*	*	*	-	-	-
Neug	-	-	-	-	-	-	-	-
Linseed	*	*	-	*	*	-	-	-
Groundnuts	*	*	-	*	*	-	-	-
Safflower	153	*	*	*	*	-	-	-
Sesame	*	-	-	-	-	-	-	-
Rapeseed	*	-	-	-	-	-	-	-
<b>Vegetables</b>	391	*	-	7,060	*	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	*	-	-	-	-	-	-	-
Ethiopian cabbage	321	*	-	*	*	-	-	-
Tomatoes	*	-	-	-	-	-	-	-
Green peppers	12	*	-	*	*	-	-	-
Red peppers	*	*	-	*	*	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
<b>Root crops</b>	2,051	*	-	6,558	*	-	-	-
Beetroot	*	-	-	-	-	-	-	-
Carrot	*	-	-	-	-	-	-	-
Onion	59	*	-	895	*	-	-	-
Potatoes	*	-	-	-	-	-	-	-
Garlic	*	*	-	*	*	-	-	-
Taro 'Godere'	1,152	*	-	*	*	-	-	-
Sweet potatoes	664	*	-	*	*	-	-	-
<b>Other Temporary</b>	1,660	*	-	3,927	*	-	-	-
<b>Permanent crops</b>	9,171	1,142	-	18,607	1,142	-	-	-
Avocado	*	*	-	*	*	-	-	-
Bananas	826	*	-	*	*	-	-	-
Guava	*	-	-	-	-	-	-	-
Lemons	*	-	-	-	-	-	-	-
Mangoes	55	*	-	*	*	-	-	-
Oranges	2	*	-	*	*	-	-	-
Papayas	59	*	-	*	*	-	-	-
Pineapples	*	-	-	-	-	-	-	-
Chat	*	-	-	-	-	-	-	-
Coffee	3,703	*	-	3,842	*	-	-	-
Hops / 'Geshe'	*	*	-	*	*	-	-	-
Enset	3,286	1,001	-	13,856	1,001	-	-	-
Sugar cane	92	*	-	*	*	-	-	-
Other permanent	*	*	-	*	*	-	-	-

(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>	-	-	-	*	*	*	111,141	54,531	14,146
<b>Cereals</b>	-	-	-	*	*	*	96,693	35,934	11,433
Teff	-	-	-	-	-	-	19,745	6,522	2,634
Barley	-	-	-	-	-	-	17,522	2,396	1,355
Wheat	-	-	-	*	*	*	10,066	1,766	*
Maize	-	-	-	*	*	*	65,486	14,956	5,106
Sorghum	-	-	-	-	-	-	37,266	10,080	1,116
Finger millet	-	-	-	-	-	-	3,772	*	*
Oats / 'Aja'	-	-	-	-	-	-	*	*	*
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	-	-	-	*	*	*	48,082	5,030	2,630
Horse / Faba beans	-	-	-	-	-	-	14,780	1,335	802
Field Peas	-	-	-	-	-	-	8,832	*	*
Haricot beans	-	-	-	*	*	*	31,679	2,418	873
Chick peas	-	-	-	-	-	-	*	*	*
Lentils	-	-	-	-	-	-	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	*	*	*
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	*	*	*	9,101	346	84
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	*	*	*
Groundnuts	-	-	-	-	-	-	2,135	*	*
Safflower	-	-	-	*	*	*	5,244	153	25
Sesame	-	-	-	-	-	-	*	*	*
Rapeseed	-	-	-	-	-	-	*	*	-
<b>Vegetables</b>	-	-	-	-	-	-	34,574	385	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	3,149	42	-
Ethiopian cabbage	-	-	-	-	-	-	28,899	321	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	*	12	-
Red peppers	-	-	-	-	-	-	*	*	-
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	-	-	-	-	-	-	61,762	2,025	-
Beetroot	-	-	-	-	-	-	1,567	*	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	-	-	-	-	-	-	4,385	59	-
Potatoes	-	-	-	-	-	-	*	*	-
Garlic	-	-	-	-	-	-	*	*	-
Taro 'Godere'	-	-	-	-	-	-	35,967	1,128	-
Sweet potatoes	-	-	-	-	-	-	26,151	664	-
<b>Other Temporary</b>	-	-	-	-	-	-	43,112	1,660	-
<b>Permanent crops</b>							89,104	9,151	
Avocado							699	*	
Bananas							37,851	822	
Guava							*	*	
Lemons							*	*	
Mangoes							8,766	55	
Oranges							1,397	2	
Papayas							12,163	59	
Pineapples							*	*	
Chat							*	*	
Coffee							42,732	3,688	
Hops / 'Geshe'							1,781	*	
Enset							59,817	3,286	
Sugar cane							6,273	92	
Other permanent							26,466	*	

(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>	*	*	*	-	-	*	*	*	*
<b>Cereals</b>	*	*	*	-	-	*	*	1,720	*
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>	-	-	-	-	-	867	*	*	*
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>	29,401	1,590	*	11,890	1,566	*	*	*
<b>Cereals</b>	10,352	*	*	*	*	*	*	*
Teff	780	*	-	*	*	-	-	-
Barley	201	*	-	*	*	-	-	-
Wheat	*	*	-	*	*	-	-	-
Maize	1,460	*	-	*	*	-	-	-
Sorghum	7,355	*	*	*	*	*	*	*
Finger millet	*	-	-	-	-	-	-	-
Oats / 'Aja'	*	-	-	-	-	-	-	-
Rice	*	-	-	-	-	-	-	-
<b>Pulses</b>	2,241	*	-	*	*	-	-	-
Horse / Faba beans	671	*	-	*	*	-	-	-
Field Peas	1,458	*	-	*	*	-	-	-
Haricot beans	112	*	-	*	*	-	-	-
Chick peas	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	*	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Gibto	*	-	-	-	-	-	-	-
<b>Oilseeds</b>	*	*	-	*	*	-	-	-
Neug	-	-	-	-	-	-	-	-
Linseed	*	*	-	*	*	-	-	-
Groundnuts	*	-	-	-	-	-	-	-
Safflower	*	-	-	-	-	-	-	-
Sesame	*	-	-	-	-	-	-	-
Rapeseed	*	-	-	-	-	-	-	-
<b>Vegetables</b>	430	*	-	7,598	*	-	-	-
Lettuce	*	-	-	-	-	-	-	-
Head cabbage	*	-	-	-	-	-	-	-
Ethiopian cabbage	*	*	-	7,042	*	-	-	-
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	58	8	-	2,203	8	-	-	-
Red peppers	61	*	-	*	*	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
<b>Root crops</b>	1,014	42	-	4,132	42	-	-	-
Beetroot	*	-	-	-	-	-	-	-
Carrot	*	-	-	-	-	-	-	-
Onion	*	*	-	1,179	*	-	-	-
Potatoes	*	-	-	-	-	-	-	-
Garlic	4	*	-	*	*	-	-	-
Taro 'Godere'	942	38	-	2,862	38	-	-	-
Sweet potatoes	*	*	-	*	*	-	-	-
<b>Other Temporary</b>	718	*	-	*	*	-	-	-
<b>Permanent crops</b>	14,639	1,032	-	8,231	1,032	-	-	-
Avocado	37	*	-	738	*	-	-	-
Bananas	168	*	-	*	*	-	-	-
Guava	*	*	-	*	*	-	-	-
Lemons	*	-	-	-	-	-	-	-
Mangoes	136	-	-	-	-	-	-	-
Oranges	76	*	-	*	*	-	-	-
Papayas	30	*	-	*	*	-	-	-
Pineapples	*	-	-	-	-	-	-	-
Chat	134	*	-	*	*	-	-	-
Coffee	9,400	47	-	1,645	47	-	-	-
Hops / 'Gescho'	15	-	-	-	-	-	-	-
Enset	4,372	972	-	6,837	972	-	-	-
Sugar cane	258	*	-	1,189	*	-	-	-
Other permanent	10	*	-	*	*	-	-	-

(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>	*	*	*	-	-	-	45,617	29,125	6,265
<b>Cereals</b>	-	-	-	-	-	-	31,720	10,331	5,088
Teff	-	-	-	-	-	-	6,049	780	1,157
Barley	-	-	-	-	-	-	1,831	196	205
Wheat	-	-	-	-	-	-	*	*	*
Maize	-	-	-	-	-	-	11,110	1,460	781
Sorghum	-	-	-	-	-	-	23,554	7,355	2,700
Finger millet	-	-	-	-	-	-	*	*	*
Oats / 'Aja'	-	-	-	-	-	-	*	*	-
Rice	-	-	-	-	-	-	1,345	*	111
<b>Pulses</b>	-	-	-	-	-	-	15,358	2,079	1,176
Horse / Faba beans	-	-	-	-	-	-	4,454	*	*
Field Peas	-	-	-	-	-	-	5,923	1,356	507
Haricot beans	-	-	-	-	-	-	8,434	98	49
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	*	*	*
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	*	*	-
<b>Oilseeds</b>	-	-	-	-	-	-	922	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	*	*	*
Groundnuts	-	-	-	-	-	-	*	*	*
Safflower	-	-	-	-	-	-	*	*	-
Sesame	-	-	-	-	-	-	*	*	*
Rapeseed	-	-	-	-	-	-	*	*	*
<b>Vegetables</b>	-	-	-	-	-	-	28,285	430	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	-	-	-	-	-	-	916	*	-
Ethiopian cabbage	-	-	-	-	-	-	21,187	*	-
Tomatoes	-	-	-	-	-	-	821	*	-
Green peppers	-	-	-	-	-	-	10,176	58	-
Red peppers	-	-	-	-	-	-	3,962	61	-
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	-	-	-	-	-	-	30,729	1,007	-
Beetroot	-	-	-	-	-	-	*	*	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	-	-	-	-	-	-	2,829	13	-
Potatoes	-	-	-	-	-	-	*	*	-
Garlic	-	-	-	-	-	-	2,553	4	-
Taro 'Godere'	-	-	-	-	-	-	27,427	941	-
Sweet potatoes	-	-	-	-	-	-	1,518	*	-
<b>Other Temporary</b>	-	-	-	-	-	-	20,821	715	-
<b>Permanent crops</b>	-	-	-	-	-	-	44,201	14,556	-
Avocado	-	-	-	-	-	-	8,457	32	-
Bananas	-	-	-	-	-	-	9,372	168	-
Guava	-	-	-	-	-	-	965	*	-
Lemons	-	-	-	-	-	-	*	*	-
Mangoes	-	-	-	-	-	-	16,039	136	-
Oranges	-	-	-	-	-	-	9,207	75	-
Papayas	-	-	-	-	-	-	12,989	30	-
Pineapples	-	-	-	-	-	-	490	*	-
Chat	-	-	-	-	-	-	5,021	134	-
Coffee	-	-	-	-	-	-	34,363	9,352	-
Hops / 'Geshe'	-	-	-	-	-	-	3,727	13	-
Enset	-	-	-	-	-	-	34,914	4,344	-
Sugar cane	-	-	-	-	-	-	12,429	258	-
Other permanent	-	-	-	-	-	-	7,217	10	-



(Table 1.7.8 Cont'd.)

**Sheka**

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
<b>All</b>	2,557	258	*	*	*	*	*	1,762	*
<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	456	*	-	*	*	-	-	*	*
Hops / 'Geshe'				-	-	-	-	-	-
Enset				-	-	-	-	-	-
Sugar cane				-	-	*	*	*	*
Other permanent				-	-	-	-	-	-

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

**Keffa**

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
<b>All</b>	154,517	14,114	837	109,871	13,082	4,171	979	803
<b>Cereals</b>	77,680	1,715	789	4,138	697	3,633	965	756
Teff	28,884	931	*	*	*	*	*	*
Barley	10,502	*	-	*	*	-	-	-
Wheat	*	*	*	*	*	*	*	*
Maize	9,712	502	*	*	*	*	*	*
Sorghum	17,313	*	-	*	*	-	-	-
Finger millet	1,819	-	-	-	-	-	-	-
Oats / 'Aja'	*	-	-	-	-	-	-	-
Rice	*	-	-	-	-	-	-	-
<b>Pulses</b>	39,570	*	-	7,592	*	-	-	-
Horse / Faba beans	17,837	*	-	*	*	-	-	-
Field Peas	15,586	*	-	*	*	-	-	-
Haricot beans	6,119	20	-	3,524	20	-	-	-
Chick peas	*	-	-	-	-	-	-	-
Lentils	*	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	*	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Gibto	*	-	-	-	-	-	-	-
<b>Oilseeds</b>	473	*	-	1,961	*	-	-	-
Neug	*	-	-	-	-	-	-	-
Linseed	210	*	-	*	*	-	-	-
Groundnuts	*	*	-	*	*	-	-	-
Safflower	*	-	-	-	-	-	-	-
Sesame	*	-	-	-	-	-	-	-
Rapeseed	*	*	-	*	*	-	-	-
<b>Vegetables</b>	1,855	575	-	73,519	575	-	-	-
Lettuce	*	-	-	-	-	-	-	-
Head cabbage	17	*	-	*	*	-	-	-
Ethiopian cabbage	996	497	-	71,218	497	-	-	-
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	88	42	-	14,342	42	-	-	-
Red peppers	*	*	-	*	*	-	-	-
Swiss chard	2	*	-	*	*	-	-	-
<b>Root crops</b>	3,914	614	*	48,940	614	*	*	*
Beetroot	*	3	*	1,617	*	*	*	*
Carrot	*	*	*	*	*	*	*	*
Onion	*	*	-	2,433	*	-	-	-
Potatoes	*	-	-	-	-	-	-	-
Garlic	*	*	-	4,406	*	-	-	-
Taro 'Godere'	3,346	574	-	45,691	574	-	-	-
Sweet potatoes	*	*	-	2,699	*	-	-	-
<b>Other Temporary</b>	2,210	121	-	13,875	121	-	-	-
<b>Permanent crops</b>	28,814	10,255	-	100,809	10,242	-	-	-
Avocado	107	*	-	*	*	-	-	-
Bananas	1,502	201	-	18,565	201	-	-	-
Guava	6	-	-	-	-	-	-	-
Lemons	-	-	-	-	-	-	-	-
Mangoes	43	-	-	-	-	-	-	-
Oranges	*	*	-	*	*	-	-	-
Papayas	58	5	-	2,004	5	-	-	-
Pineapples	*	*	-	*	*	-	-	-
Chat	*	*	-	3,520	*	-	-	-
Coffee	4,318	574	-	29,437	574	-	-	-
Hops / 'Gescho'	112	*	-	*	*	-	-	-
Enset	21,465	9,250	-	93,970	9,237	-	-	-
Sugar cane	679	141	-	24,764	141	-	-	-
Other permanent	*	11	-	9,813	11	-	-	-

(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>	*	*	*	-	-	-	203,333	152,681	89,789
<b>Cereals</b>	*	*	*	-	-	-	173,746	76,119	59,574
Teff	*	*	*	-	-	-	133,691	28,852	26,391
Barley	-	-	-	-	-	-	71,956	10,408	13,304
Wheat	-	-	-	-	-	-	31,038	*	*
Maize	-	-	-	-	-	-	33,031	9,360	5,332
Sorghum	-	-	-	-	-	-	64,784	17,313	4,591
Finger millet	-	-	-	-	-	-	12,862	1,819	*
Oats / 'Aja'	-	-	-	-	-	-	*	*	*
Rice	-	-	-	-	-	-	*	*	*
<b>Pulses</b>	-	-	-	-	-	-	148,584	39,461	30,128
Horse / Faba beans	-	-	-	-	-	-	93,091	17,837	17,836
Field Peas	-	-	-	-	-	-	72,655	15,541	7,879
Haricot beans	-	-	-	-	-	-	66,203	6,054	4,367
Chick peas	-	-	-	-	-	-	*	*	*
Lentils	-	-	-	-	-	-	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	*	*	*
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	*	*	*
<b>Oilseeds</b>	-	-	-	-	-	-	17,316	473	87
Neug	-	-	-	-	-	-	*	*	*
Linseed	-	-	-	-	-	-	11,124	210	57
Groundnuts	-	-	-	-	-	-	1,190	*	*
Safflower	-	-	-	-	-	-	*	*	*
Sesame	-	-	-	-	-	-	*	*	*
Rapeseed	-	-	-	-	-	-	5,008	*	*
<b>Vegetables</b>	-	-	-	-	-	-	141,331	1,849	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	-	-	-	-	-	-	4,877	16	-
Ethiopian cabbage	-	-	-	-	-	-	131,611	991	-
Tomatoes	-	-	-	-	-	-	2,031	*	-
Green peppers	-	-	-	-	-	-	30,975	88	-
Red peppers	-	-	-	-	-	-	13,346	*	-
Swiss chard	-	-	-	-	-	-	1,923	2	-
<b>Root crops</b>	-	-	-	-	-	-	139,118	3,864	-
Beetroot	-	-	-	-	-	-	5,954	*	-
Carrot	-	-	-	-	-	-	2,774	*	-
Onion	-	-	-	-	-	-	12,067	*	-
Potatoes	-	-	-	-	-	-	*	*	-
Garlic	-	-	-	-	-	-	18,142	41	-
Taro 'Godere'	-	-	-	-	-	-	119,916	3,314	-
Sweet potatoes	-	-	-	-	-	-	16,658	*	-
<b>Other Temporary</b>	-	-	-	-	-	-	75,975	2,197	-
<b>Permanent crops</b>	-	-	-	-	-	-	197,703	28,719	-
Avocado	-	-	-	-	-	-	16,425	107	-
Bananas	-	-	-	-	-	-	73,787	1,473	-
Guava	-	-	-	-	-	-	2,221	6	-
Lemons	-	-	-	-	-	-	-	-	-
Mangoes	-	-	-	-	-	-	5,918	43	-
Oranges	-	-	-	-	-	-	4,262	*	-
Papayas	-	-	-	-	-	-	13,503	58	-
Pineapples	-	-	-	-	-	-	*	*	-
Chat	-	-	-	-	-	-	20,513	*	-
Coffee	-	-	-	-	-	-	100,321	4,291	-
Hops / 'Gescho'	-	-	-	-	-	-	17,266	112	-
Enset	-	-	-	-	-	-	189,426	21,428	-
Sugar cane	-	-	-	-	-	-	69,502	678	-
Other permanent	-	-	-	-	-	-	32,548	*	-

(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>	7,222	*	*	79,783	38,303	*	*	14,300	2,932
<b>Cereals</b>	*	*	*	78,429	38,122	*	*	8,076	2,701
Teff	*	*	-	61,632	16,504	*	*	3,020	822
Barley	*	*	*	23,171	3,380	-	-	*	*
Wheat	*	*	*	17,960	*	-	-	*	*
Maize	*	*	*	*	*	-	-	*	*
Sorghum	-	-	-	28,292	8,865	-	-	*	*
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>	*	*	-	*	*	-	-	1,888	*
Beetroot	*	*	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	*	*	-	-	-	-	-	*	*
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	*	*
Taro 'Godere'	-	-	-	*	*	-	-	*	*
Sweet potatoes	-	-	-	-	-	-	-	*	*
<b>Other Temporary</b>	-	-	-	-	-	-	-	*	*
<b>Permanent crops</b>				1,809	*	*	*	3,522	*
Avocado				-	-	*	*	*	*
Bananas				*	*	-	-	*	*
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	*	*	-	-
Oranges				-	-	-	-	*	*
Papayas				-	-	-	-	-	-
Pineapples				-	-	-	-	-	-
Chat				-	-	-	-	-	-
Coffee	*	*	-	-	-	-	-	*	*
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>	155,996	58,771	*	241,570	58,012	*	*	*
<b>Cereals</b>	91,629	29,198	*	137,555	28,480	*	*	*
Teff	29,593	*	-	*	*	-	-	-
Barley	13,793	11,381	-	76,717	11,381	-	-	-
Wheat	16,010	12,444	*	61,603	11,910	*	*	*
Maize	27,154	3,806	-	44,048	3,621	*	*	-
Sorghum	4,823	*	-	6,669	*	-	-	-
Finger millet	*	-	-	-	-	-	-	-
Oats / 'Aja'	*	*	-	*	*	-	-	-
Rice	-	-	-	-	-	-	-	-
<b>Pulses</b>	12,679	3,150	-	66,377	3,150	-	-	-
Horse / Faba beans	3,233	980	-	33,761	980	-	-	-
Field Peas	3,673	*	-	21,164	*	-	-	-
Haricot beans	5,672	*	-	25,581	*	-	-	-
Chick peas	*	-	-	-	-	-	-	-
Lentils	*	*	-	*	*	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	*	*	-	7,719	*	-	-	-
Gibto	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	305	*	-	5,862	*	-	-	-
Neug	-	-	-	-	-	-	-	-
Linseed	91	*	-	*	*	-	-	-
Groundnuts	*	*	-	*	*	-	-	-
Safflower	*	*	-	*	*	-	-	-
Sesame	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-
<b>Vegetables</b>	597	523	-	64,788	523	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	*	*	-	-	-
Ethiopian cabbage	512	456	-	62,299	456	-	-	-
Tomatoes	*	-	-	-	-	-	-	-
Green peppers	15	*	-	*	*	-	-	-
Red peppers	*	*	-	*	*	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
<b>Root crops</b>	13,005	6,599	*	159,147	6,559	*	*	*
Beetroot	8	*	-	2,053	*	-	-	-
Carrot	*	*	-	*	*	-	-	-
Onion	95	66	-	20,486	66	-	-	-
Potatoes	1,669	1,577	*	47,484	1,537	*	*	*
Garlic	*	*	-	*	*	-	-	-
Taro 'Godere'	3,235	1,523	-	75,728	1,523	-	-	-
Sweet potatoes	7,993	3,429	-	74,385	3,429	-	-	-
<b>Other Temporary</b>	9,286	3,501	-	115,815	3,501	-	-	-
<b>Permanent crops</b>	28,496	15,715	-	223,878	15,714	-	-	-
Avocado	14	*	-	*	*	-	-	-
Bananas	*	776	-	45,084	776	-	-	-
Guava	*	*	-	*	*	-	-	-
Lemons	*	*	-	*	*	-	-	-
Mangoes	*	106	-	21,732	106	-	-	-
Oranges	74	13	-	7,129	13	-	-	-
Papayas	234	151	-	19,336	151	-	-	-
Pineapples	-	-	-	-	-	-	-	-
Chat	*	*	-	*	*	-	-	-
Coffee	4,494	2,161	-	94,585	2,161	-	-	-
Hops / 'Gescho'	57	*	-	*	*	-	-	-
Enset	14,100	11,806	-	201,569	11,805	-	-	-
Sugar cane	473	211	-	19,585	211	-	-	-
Other permanent	831	408	-	43,662	408	-	-	-

(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>	*	*	*	*	*	*	330,634	154,960	50,158
<b>Cereals</b>	-	-	-	*	*	*	287,590	90,930	42,614
Teff	-	-	-	-	-	-	124,864	29,510	12,350
Barley	-	-	-	-	-	-	97,124	13,661	10,404
Wheat	-	-	-	*	*	*	75,137	15,629	9,565
Maize	-	-	-	*	*	-	128,279	27,101	9,082
Sorghum	-	-	-	-	-	-	37,931	4,773	1,164
Finger millet	-	-	-	-	-	-	*	*	*
Oats / 'Aja'	-	-	-	-	-	-	2,835	*	*
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	-	-	-	-	-	-	155,604	12,679	7,422
Horse / Faba beans	-	-	-	-	-	-	60,634	3,233	2,959
Field Peas	-	-	-	-	-	-	48,572	3,673	1,838
Haricot beans	-	-	-	-	-	-	84,620	5,672	2,596
Chick peas	-	-	-	-	-	-	1,702	*	*
Lentils	-	-	-	-	-	-	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	7,719	*	8
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	-	-	-	10,081	305	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	6,268	91	*
Groundnuts	-	-	-	-	-	-	*	*	*
Safflower	-	-	-	-	-	-	*	*	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
<b>Vegetables</b>	-	-	-	-	-	-	76,517	595	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	*	*	-
Ethiopian cabbage	-	-	-	-	-	-	70,698	512	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	*	15	-
Red peppers	-	-	-	-	-	-	*	*	-
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	*	*	*	-	-	-	242,723	12,933	-
Beetroot	-	-	-	-	-	-	4,110	8	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	-	-	-	-	-	-	28,779	95	-
Potatoes	*	*	*	-	-	-	53,550	1,669	-
Garlic	-	-	-	-	-	-	*	*	-
Taro 'Godere'	-	-	-	-	-	-	118,120	3,164	-
Sweet potatoes	-	-	-	-	-	-	154,244	7,993	-
<b>Other Temporary</b>	-	-	-	-	-	-	185,020	9,270	-
<b>Permanent crops</b>	-	-	-	-	-	-	308,072	28,247	-
Avocado	-	-	-	-	-	-	6,698	14	-
Bananas	-	-	-	-	-	-	108,665	*	-
Guava	-	-	-	-	-	-	2,090	*	-
Lemons	-	-	-	-	-	-	10,664	*	-
Mangoes	-	-	-	-	-	-	51,552	*	-
Oranges	-	-	-	-	-	-	16,557	72	-
Papayas	-	-	-	-	-	-	40,672	221	-
Pineapples	-	-	-	-	-	-	-	-	-
Chat	-	-	-	-	-	-	*	*	-
Coffee	-	-	-	-	-	-	145,095	4,332	-
Hops / 'Geshe'	-	-	-	-	-	-	13,389	57	-
Enset	-	-	-	-	-	-	244,308	14,084	-
Sugar cane	-	-	-	-	-	-	33,132	441	-
Other permanent	-	-	-	-	-	-	77,495	809	-

(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>	5,452	667	481	6,865	356	31,770	*	12,609	1,616
<b>Cereals</b>	4,103	*	481	*	*	14,543	*	6,592	1,227
Teff	*	*	*	*	*	*	*	*	*
Barley	*	*	*	*	*	*	*	*	*
Wheat	*	*	*	-	-	-	-	4,458	*
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>	-	-	-	2,704	*	11,389	*	*	*
Beetroot	-	-	-	-	-	*	*	*	*
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	*	*	*	*	*	*
Potatoes	-	-	-	*	*	-	-	*	*
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	*	*	-	-
Sweet potatoes	-	-	-	*	*	*	*	-	-
<b>Other Temporary</b>	-	-	-	*	*	*	*	*	*
<b>Permanent crops</b>	-	-	-	*	*	21,143	*	4,995	145
Avocado	-	-	-	-	-	-	-	-	-
Bananas	-	-	-	-	-	8,993	*	*	*
Guava	-	-	-	-	-	-	-	-	-
Lemons	-	-	-	-	-	-	-	-	-
Mangoes	-	-	-	-	-	*	*	*	*
Oranges	-	-	-	-	-	*	*	-	-
Papayas	-	-	-	-	-	*	*	-	-
Pineapples	-	-	-	-	-	-	-	-	-
Chat	-	-	-	-	-	-	-	-	-
Coffee	*	*	-	-	-	7,651	*	-	-
Hops / 'Geshe'	-	-	-	*	*	*	*	*	*
Enset	-	-	-	-	-	*	*	-	-
Sugar cane	-	-	-	-	-	*	*	*	*
Other permanent	-	-	-	-	-	6,082	84	2,459	*

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>	59,508	4,399	*	61,404	4,375	-	-	-
<b>Cereals</b>	32,923	291	*	2,836	*	-	-	-
Teff	7,461	*	*	*	*	-	-	-
Barley	1,317	*	-	*	*	-	-	-
Wheat	*	-	-	-	-	-	-	-
Maize	12,238	*	-	*	*	-	-	-
Sorghum	8,788	-	-	-	-	-	-	-
Finger millet	*	-	-	-	-	-	-	-
Oats / 'Aja'	*	-	-	-	-	-	-	-
Rice	*	-	-	-	-	-	-	-
<b>Pulses</b>	5,626	*	-	2,845	*	-	-	-
Horse / Faba beans	1,122	*	-	*	*	-	-	-
Field Peas	1,924	*	-	*	*	-	-	-
Haricot beans	2,579	*	-	1,480	*	-	-	-
Chick peas	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	*	*	-	*	*	-	-	-
Gibto	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	64	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-
Linseed	*	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-
Safflower	*	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Rapeseed	*	-	-	-	-	-	-	-
<b>Vegetables</b>	1,198	330	-	32,965	330	-	-	-
Lettuce	*	*	-	*	*	-	-	-
Head cabbage	*	*	-	*	*	-	-	-
Ethiopian cabbage	622	284	-	31,716	284	-	-	-
Tomatoes	*	-	-	-	-	-	-	-
Green peppers	*	*	-	5,662	*	-	-	-
Red peppers	*	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
<b>Root crops</b>	3,696	544	-	26,363	544	-	-	-
Beetroot	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	*	*	-	*	*	-	-	-
Potatoes	*	*	-	*	*	-	-	-
Garlic	*	*	-	*	*	-	-	-
Taro 'Godere'	3,426	541	-	26,153	541	-	-	-
Sweet potatoes	41	-	-	-	-	-	-	-
<b>Other Temporary</b>	1,022	*	-	5,891	*	-	-	-
<b>Permanent crops</b>	14,979	3,027	-	56,690	3,027	-	-	-
Avocado	54	*	-	*	*	-	-	-
Bananas	997	63	-	6,419	63	-	-	-
Guava	-	-	-	-	-	-	-	-
Lemons	-	-	-	-	-	-	-	-
Mangoes	115	*	-	*	*	-	-	-
Oranges	31	*	-	*	*	-	-	-
Papayas	170	*	-	*	*	-	-	-
Pineapples	*	-	-	-	-	-	-	-
Chat	717	*	-	3,173	*	-	-	-
Coffee	8,147	705	-	23,089	705	-	-	-
Hops / 'Geshe'	118	5	-	2,278	5	-	-	-
Enset	4,180	2,138	-	51,805	2,138	-	-	-
Sugar cane	432	19	-	2,907	19	-	-	-
Other permanent	14	4	-	4,019	4	-	-	-



(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>	*	*	*	*	*	*	330,634	154,960	50,158
<b>Cereals</b>	-	-	-	*	*	*	287,590	90,930	42,614
Teff	-	-	-	-	-	-	124,864	29,510	12,350
Barley	-	-	-	-	-	-	97,124	13,661	10,404
Wheat	-	-	-	*	*	*	75,137	15,629	9,565
Maize	-	-	-	*	*	-	128,279	27,101	9,082
Sorghum	-	-	-	-	-	-	37,931	4,773	1,164
Finger millet	-	-	-	-	-	-	*	*	*
Oats / 'Aja'	-	-	-	-	-	-	2,835	*	*
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	-	-	-	-	-	-	155,604	12,679	7,422
Horse / Faba beans	-	-	-	-	-	-	60,634	3,233	2,959
Field Peas	-	-	-	-	-	-	48,572	3,673	1,838
Haricot beans	-	-	-	-	-	-	84,620	5,672	2,596
Chick peas	-	-	-	-	-	-	1,702	*	*
Lentils	-	-	-	-	-	-	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	7,719	*	8
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	-	-	-	10,081	305	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	6,268	91	*
Groundnuts	-	-	-	-	-	-	*	*	*
Safflower	-	-	-	-	-	-	*	*	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
<b>Vegetables</b>	-	-	-	-	-	-	76,517	595	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	*	*	-
Ethiopian cabbage	-	-	-	-	-	-	70,698	512	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	*	15	-
Red peppers	-	-	-	-	-	-	*	*	-
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	*	*	*	-	-	-	242,723	12,933	-
Beetroot	-	-	-	-	-	-	4,110	8	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	-	-	-	-	-	-	28,779	95	-
Potatoes	*	*	*	-	-	-	53,550	1,669	-
Garlic	-	-	-	-	-	-	*	*	-
Taro 'Godere'	-	-	-	-	-	-	118,120	3,164	-
Sweet potatoes	-	-	-	-	-	-	154,244	7,993	-
<b>Other Temporary</b>	-	-	-	-	-	-	185,020	9,270	-
<b>Permanent crops</b>							308,072	28,247	
Avocado							6,698	14	
Bananas							108,665	*	
Guava							2,090	*	
Lemons							10,664	*	
Mangoes							51,552	*	
Oranges							16,557	72	
Papayas							40,672	221	
Pineapples							-	-	
Chat							*	*	
Coffee							145,095	4,332	
Hops / 'Geshe'							13,389	57	
Enset							244,308	14,084	
Sugar cane							33,132	441	
Other permanent							77,495	809	

(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>	*	*	-	*	*	*	*	*	*
<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 / 'Gescho'	-	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	*	*	-	-
Sugar cane	-	-	-	*	*	*	*	-	-
Other permanent	-	-	-	-	-	-	-	-	-

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

**Yem Special Wereda**

Crop type	All	All Fertilizers		Natural		DAP		
	Crop Area	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
<b>All</b>	22,063	12,406	9,354	15,610	2,905	12,693	8,133	7,316
<b>Cereals</b>	16,092	9,266	8,963	3,793	261	12,655	7,666	6,963
Teff	6,783	5,377	4,817	198	*	11,678	5,323	4,790
Barley	1,393	336	261	262	*	2,083	290	237
Wheat	4,523	2,067	2,140	*	*	5,128	1,785	1,720
Maize	2,333	1,443	1,742	3,357	179	1,591	264	214
Sorghum	1,041	*	*	*	*	*	*	*
Finger millet	-	-	-	-	-	-	-	-
Oats / 'Aja'	19	*	*	-	-	*	*	*
Rice	*	-	-	-	-	-	-	-
<b>Pulses</b>	2,900	1,094	340	4,383	606	2,044	460	306
Horse / Faba beans	1,533	577	88	3,513	469	471	*	85
Field Peas	1,192	443	237	1,023	95	1,004	325	207
Haricot beans	*	1	-	352	1	-	-	-
Chick peas	34	*	*	-	-	*	*	*
Lentils	114	65	13	877	38	583	27	13
Vetch / Grass peas	*	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	8	3	*	787	3	*	*	*
Gibto	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	120	2	*	245	*	*	*	*
Neug	-	-	-	-	-	-	-	-
Linseed	115	*	*	-	-	*	*	*
Groundnuts	*	*	-	*	*	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Rapeseed	*	*	-	*	*	-	-	-
<b>Vegetables</b>	100	80	-	10,438	80	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	4	3	-	552	3	-	-	-
Ethiopian cabbage	91	74	-	10,134	74	-	-	-
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	1	1	-	628	1	-	-	-
Red peppers	2	*	-	234	*	-	-	-
Swiss chard	*	*	-	*	*	-	-	-
<b>Root crops</b>	414	224	-	7,861	224	-	-	-
Beetroot	4	2	-	955	2	-	-	-
Carrot	2	*	-	285	*	-	-	-
Onion	1	1	-	331	1	-	-	-
Potatoes	25	19	-	1,702	19	-	-	-
Garlic	3	2	-	1,085	2	-	-	-
Taro 'Godere'	286	164	-	5,759	164	-	-	-
Sweet potatoes	95	35	-	2,572	35	-	-	-
<b>Other Temporary</b>	81	49	*	4,643	45	*	*	*
<b>Permanent crops</b>	2,355	1,691	-	14,971	1,686	-	-	-
Avocado	5	3	-	479	3	-	-	-
Bananas	61	17	-	1,654	17	-	-	-
Guava	*	*	-	*	*	-	-	-
Lemons	-	-	-	-	-	-	-	-
Mangoes	1	*	-	*	*	-	-	-
Oranges	4	*	-	276	*	-	-	-
Papayas	*	*	-	*	*	-	-	-
Pineapples	*	-	-	-	-	-	-	-
Chat	197	58	-	2,783	57	-	-	-
Coffee	249	97	-	5,122	94	-	-	-
Hops / 'Gesho'	11	*	-	279	*	-	-	-
Enset	1,708	1,487	-	14,609	1,487	-	-	-
Sugar cane	94	20	-	2,389	19	-	-	-
Other permanent	9	5	-	640	5	-	-	-

(Table 1.7.12 cont'd.)

**Yem Special Wereda**

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
<b>All</b>	*	*	*	-	-	-	139,559	59,265	20,742
<b>Cereals</b>	*	*	*	-	-	-	94,549	32,916	17,287
Teff	*	*	*	-	-	-	34,461	7,461	3,909
Barley	-	-	-	-	-	-	10,055	1,317	1,652
Wheat	-	-	-	-	-	-	*	*	*
Maize	-	-	-	-	-	-	54,988	12,231	5,467
Sorghum	-	-	-	-	-	-	35,675	8,788	3,030
Finger millet	-	-	-	-	-	-	*	*	*
Oats / 'Aja'	-	-	-	-	-	-	*	*	*
Rice	-	-	-	-	-	-	*	*	*
<b>Pulses</b>	-	-	-	-	-	-	46,501	5,626	3,447
Horse / Faba beans	-	-	-	-	-	-	9,291	1,122	*
Field Peas	-	-	-	-	-	-	11,757	1,924	757
Haricot beans	-	-	-	-	-	-	31,409	2,579	1,437
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	*	*	-
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	-	-	-	2,779	64	8
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	*	*	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	*	*	*
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	*	*	*
<b>Vegetables</b>	-	-	-	-	-	-	81,727	1,198	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	-	-	-	-	-	-	*	*	-
Ethiopian cabbage	-	-	-	-	-	-	71,207	622	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	21,739	*	-
Red peppers	-	-	-	-	-	-	4,860	*	-
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	-	-	-	-	-	-	97,248	3,674	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	*	*	-
Potatoes	-	-	-	-	-	-	*	*	-
Garlic	-	-	-	-	-	-	*	*	-
Taro 'Godere'	-	-	-	-	-	-	95,320	3,404	-
Sweet potatoes	-	-	-	-	-	-	4,458	41	-
<b>Other Temporary</b>	-	-	-	-	-	-	50,026	974	-
<b>Permanent crops</b>	-	-	-	-	-	-	130,377	14,813	-
Avocado	-	-	-	-	-	-	10,312	54	-
Bananas	-	-	-	-	-	-	50,771	991	-
Guava	-	-	-	-	-	-	-	-	-
Lemons	-	-	-	-	-	-	-	-	-
Mangoes	-	-	-	-	-	-	17,101	115	-
Oranges	-	-	-	-	-	-	5,494	31	-
Papayas	-	-	-	-	-	-	28,781	170	-
Pineapples	-	-	-	-	-	-	*	*	-
Chat	-	-	-	-	-	-	23,041	717	-
Coffee	-	-	-	-	-	-	95,064	8,005	-
Hops / 'Geshe'	-	-	-	-	-	-	16,476	103	-
Enset	-	-	-	-	-	-	109,238	4,177	-
Sugar cane	-	-	-	-	-	-	21,845	432	-
Other permanent	-	-	-	-	-	-	8,175	14	-

(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>	3,107	1,091	283	11,271	7,525	*	*	3,236	1,111
<b>Cereals</b>	3,107	1,091	283	11,234	7,510	*	*	3,195	1,105
Teff	-	-	-	9,955	4,687	*	*	*	*
Barley	-	-	-	1,661	205	-	-	-	-
Wheat	*	*	*	7,304	2,600	*	*	*	*
Maize	3,107	1,079	254	*	*	-	-	3,146	1,063
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 / 'Gesho'	-	-	-	-	-	-	-	-	-
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>	15,294	5,955	*	29,898	5,952	-	-	-
<b>Cereals</b>	6,733	341	*	4,451	338	-	-	-
Teff	4,026	83	*	488	81	-	-	-
Barley	966	*	*	*	*	-	-	-
Wheat	642	*	-	*	*	-	-	-
Maize	986	55	-	2,397	55	-	-	-
Sorghum	112	*	-	393	*	-	-	-
Finger millet	-	-	-	-	-	-	-	-
Oats / 'Aja'	*	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
<b>Pulses</b>	1,305	*	-	3,759	*	-	-	-
Horse / Faba beans	247	*	-	*	*	-	-	-
Field Peas	309	*	-	*	*	-	-	-
Haricot beans	604	*	-	1,779	*	-	-	-
Chick peas	*	-	-	-	-	-	-	-
Lentils	*	*	-	*	*	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	*	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Gibto	*	*	-	*	*	-	-	-
<b>Oilseeds</b>	*	*	-	*	*	-	-	-
Neug	-	-	-	-	-	-	-	-
Linseed	*	-	-	-	-	-	-	-
Groundnuts	*	*	-	*	*	-	-	-
Safflower	*	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Rapeseed	*	-	-	-	-	-	-	-
<b>Vegetables</b>	141	120	-	10,328	120	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-
Ethiopian cabbage	140	120	-	10,250	120	-	-	-
Tomatoes	*	-	-	-	-	-	-	-
Green peppers	*	*	-	*	*	-	-	-
Red peppers	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
<b>Root crops</b>	188	26	-	2,732	26	-	-	-
Beetroot	*	*	-	*	*	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	*	*	-	*	*	-	-	-
Potatoes	*	-	-	-	-	-	-	-
Garlic	*	*	-	*	*	-	-	-
Taro 'Godere'	14	13	-	1,408	13	-	-	-
Sweet potatoes	171	13	-	1,194	13	-	-	-
<b>Other Temporary</b>	624	287	-	13,822	287	-	-	-
<b>Permanent crops</b>	6,297	5,079	-	29,733	5,079	-	-	-
Avocado	44	22	-	2,964	22	-	-	-
Bananas	221	108	-	6,634	108	-	-	-
Guava	3	*	-	*	*	-	-	-
Lemons	10	*	-	*	*	-	-	-
Mangoes	15	5	-	1,067	5	-	-	-
Oranges	2	*	-	*	*	-	-	-
Papayas	23	*	-	1,971	*	-	-	-
Pineapples	-	-	-	-	-	-	-	-
Chat	*	*	-	*	*	-	-	-
Coffee	1,596	1,076	-	17,755	1,076	-	-	-
Hops / 'Gescho'	*	*	-	*	*	-	-	-
Enset	4,167	3,706	-	29,223	3,706	-	-	-
Sugar cane	143	100	-	4,507	100	-	-	-
Other permanent	23	10	-	984	10	-	-	-

(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>	234	50	48	3,175	1,318	1,989	17,265	20,971	17,032
<b>Cereals</b>	196	46	48	3,135	1,293	1,952	16,906	15,001	13,634
Teff	*	*	*	*	*	*	14,470	6,783	3,645
Barley	*	*	*	*	*	*	10,948	1,393	2,168
Wheat	*	*	*	617	254	395	12,793	4,511	6,864
Maize	*	*	*	2,673	981	1,510	11,009	1,254	604
Sorghum	-	-	-	-	-	-	6,979	1,041	304
Finger millet	-	-	-	-	-	-	*	-	*
Oats / 'Aja'	-	-	-	-	-	-	666	19	28
Rice	-	-	-	-	-	-	*	*	-
<b>Pulses</b>	*	*	*	*	*	*	12,914	2,900	3,371
Horse / Faba beans	*	*	*	*	*	*	10,236	1,533	2,028
Field Peas	-	-	-	*	*	*	6,039	1,192	1,251
Haricot beans	-	-	-	-	-	-	1,144	*	*
Chick peas	-	-	-	-	-	-	446	34	13
Lentils	-	-	-	-	-	-	2,646	114	61
Vetch / Grass peas	-	-	-	-	-	-	*	*	*
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	1,768	8	3
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	-	-	-	1,430	120	27
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	1,183	115	26
Groundnuts	-	-	-	-	-	-	*	*	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	327	*	*
<b>Vegetables</b>	-	-	-	-	-	-	12,240	100	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	963	4	-
Ethiopian cabbage	-	-	-	-	-	-	11,800	91	-
Tomatoes	-	-	-	-	-	-	280	*	-
Green peppers	-	-	-	-	-	-	903	1	-
Red peppers	-	-	-	-	-	-	390	2	-
Swiss chard	-	-	-	-	-	-	*	*	-
<b>Root crops</b>	-	-	-	-	-	-	11,396	414	-
Beetroot	-	-	-	-	-	-	1,486	4	-
Carrot	-	-	-	-	-	-	522	2	-
Onion	-	-	-	-	-	-	448	1	-
Potatoes	-	-	-	-	-	-	2,266	25	-
Garlic	-	-	-	-	-	-	1,393	3	-
Taro 'Godere'	-	-	-	-	-	-	8,514	286	-
Sweet potatoes	-	-	-	-	-	-	5,048	95	-
<b>Other Temporary</b>	-	-	-	-	-	-	6,561	80	-
<b>Permanent crops</b>							16,649	2,355	
Avocado							1,045	5	
Bananas							5,017	61	
Guava							1,144	*	
Lemons							-	-	
Mangoes							238	1	
Oranges							714	4	
Papayas							238	*	
Pineapples							*	*	
Chat							7,675	197	
Coffee							9,272	249	
Hops / 'Geshe'							1,656	11	
Enset							16,337	1,708	
Sugar cane							6,326	94	
Other permanent							1,671	9	

(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>	*	*	-	*	*	16,593	4,268	706	*
<b>Cereals</b>	-	-	-	*	*	6,617	916	*	*
Teff	-	-	-	-	-	3,527	805	*	*
Barley	-	-	-	*	*	-	-	-	-
Wheat	-	-	-	-	-	*	*	-	-
Maize	-	-	-	-	-	4,302	95	*	*
Sorghum	-	-	-	-	-	*	*	-	-
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	*	*	-	-
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	-	-	-	-	-	3,814	35	*	*
Horse / Faba beans	-	-	-	-	-	*	*	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	3,814	35	*	*
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	*	*	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	-	-	*	*	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	*	*	-	-
Groundnuts	-	-	-	-	-	*	*	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	*	*	-	-
<b>Vegetables</b>	-	-	-	-	-	3,451	21	-	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	3,373	21	-	-
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	*	*	-	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	*	*	-	-	-	3,047	*	-	-
Beetroot	*	*	-	-	-	*	*	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	*	*	-	-	-	*	*	-	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	*	*	-	-
Sweet potatoes	-	-	-	-	-	2,576	*	-	-
<b>Other Temporary</b>	*	*	-	-	-	8,915	317	*	*
<b>Permanent crops</b>	-	-	-	*	*	16,174	2,875	411	*
Avocado	-	-	-	-	-	4,303	38	-	-
Bananas	-	-	-	-	-	9,546	199	*	*
Guava	-	-	-	-	-	*	*	-	-
Lemons	-	-	-	-	-	2,102	10	-	-
Mangoes	-	-	-	-	-	1,682	12	-	-
Oranges	-	-	-	-	-	905	2	-	-
Papayas	-	-	-	-	-	4,186	22	-	-
Pineapples	-	-	-	-	-	-	-	-	-
Chat	-	-	-	-	-	3,063	*	-	-
Coffee	-	-	-	*	*	13,309	1,057	*	*
Hops / 'Geshe'	-	-	-	-	-	*	*	-	-
Enset	-	-	-	*	*	15,259	1,372	-	-
Sugar cane	-	-	-	-	-	4,350	97	-	-
Other permanent	-	-	-	-	-	2,498	*	-	-



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>	5,890	838	*	4,747	751	*	*	*
<b>Cereals</b>	3,324	208	*	1,057	*	*	*	*
Teff	880	*	*	*	*	*	*	*
Barley	256	*	*	222	12	*	*	*
Wheat	553	*	*	172	*	*	*	*
Maize	1,330	26	*	712	23	*	*	*
Sorghum	305	*	*	*	*	*	*	*
Finger millet	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
<b>Pulses</b>	1,808	74	*	759	64	*	*	*
Horse / Faba beans	9	*	-	*	*	-	-	-
Field Peas	91	*	*	*	*	-	-	-
Haricot beans	1,637	38	*	577	38	*	*	*
Chick peas	*	*	-	*	*	-	-	-
Lentils	18	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	*	-	-	-	-	-	-	-
Fenugreek	12	*	-	*	*	-	-	-
Gibto	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	4	*	-	*	*	-	-	-
Neug	-	-	-	-	-	-	-	-
Linseed	*	-	-	-	-	-	-	-
Groundnuts	*	*	-	*	*	-	-	-
Safflower	*	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Rapeseed	*	-	-	-	-	-	-	-
<b>Vegetables</b>	26	17	-	2,287	17	-	-	-
Lettuce	*	-	-	-	-	-	-	-
Head cabbage	*	*	-	*	*	-	-	-
Ethiopian cabbage	23	16	-	2,138	16	-	-	-
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	2	1	-	398	1	-	-	-
Red peppers	*	*	-	*	*	-	-	-
Swiss chard	*	-	-	-	-	-	-	-
<b>Root crops</b>	15	6	-	442	6	-	-	-
Beetroot	*	*	-	*	*	-	-	-
Carrot	*	*	-	*	*	-	-	-
Onion	*	*	-	*	*	-	-	-
Potatoes	*	*	-	*	*	-	-	-
Garlic	*	*	-	*	*	-	-	-
Taro 'Godere'	*	*	-	*	*	-	-	-
Sweet potatoes	6	*	-	*	*	-	-	-
<b>Other Temporary</b>	78	27	-	1,592	27	-	-	-
<b>Permanent crops</b>	636	506	-	4,307	506	-	-	-
Avocado	2	1	-	271	1	-	-	-
Bananas	20	8	-	949	8	-	-	-
Guava	*	*	-	173	*	-	-	-
Lemons	*	-	-	-	-	-	-	-
Mangoes	*	*	-	*	*	-	-	-
Oranges	*	*	-	124	*	-	-	-
Papayas	7	*	-	627	*	-	-	-
Pineapples	-	-	-	-	-	-	-	-
Chat	3	*	-	148	*	-	-	-
Coffee	102	59	-	2,204	59	-	-	-
Hops / 'Gescho'	*	-	-	-	-	-	-	-
Enset	451	421	-	3,620	421	-	-	-
Sugar cane	26	10	-	888	10	-	-	-
Other permanent	20	*	-	345	*	-	-	-

(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>	*	*	*	-	-	-	34,934	15,257	4,960
<b>Cereals</b>	*	*	*	-	-	-	26,679	6,733	4,018
Teff	*	*	*	-	-	-	15,478	4,026	1,670
Barley	*	*	*	-	-	-	10,122	966	1,008
Wheat	-	-	-	-	-	-	4,023	642	518
Maize	-	-	-	-	-	-	12,246	986	*
Sorghum	-	-	-	-	-	-	2,447	112	*
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	*	*	-
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	-	-	-	-	-	-	18,797	1,302	940
Horse / Faba beans	-	-	-	-	-	-	6,261	247	194
Field Peas	-	-	-	-	-	-	4,463	309	284
Haricot beans	-	-	-	-	-	-	12,218	601	398
Chick peas	-	-	-	-	-	-	*	*	*
Lentils	-	-	-	-	-	-	459	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	*	*	*
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	*	*	-
<b>Oilseeds</b>	-	-	-	-	-	-	530	4	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	*	*	*
Groundnuts	-	-	-	-	-	-	*	*	*
Safflower	-	-	-	-	-	-	*	*	*
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	*	*	*
<b>Vegetables</b>	-	-	-	-	-	-	12,601	141	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	12,523	140	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	*	*	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	-	-	-	-	-	-	6,681	188	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	*	*	-
Potatoes	-	-	-	-	-	-	*	*	-
Garlic	-	-	-	-	-	-	*	*	-
Taro 'Godere'	-	-	-	-	-	-	1,742	14	-
Sweet potatoes	-	-	-	-	-	-	4,677	171	-
<b>Other Temporary</b>	-	-	-	-	-	-	22,357	620	-
<b>Permanent crops</b>	-	-	-	-	-	-	33,117	6,268	-
Avocado	-	-	-	-	-	-	5,777	44	-
Bananas	-	-	-	-	-	-	11,227	215	-
Guava	-	-	-	-	-	-	879	3	-
Lemons	-	-	-	-	-	-	2,102	10	-
Mangoes	-	-	-	-	-	-	2,396	15	-
Oranges	-	-	-	-	-	-	1,086	2	-
Papayas	-	-	-	-	-	-	5,191	23	-
Pineapples	-	-	-	-	-	-	-	-	-
Chat	-	-	-	-	-	-	3,326	*	-
Coffee	-	-	-	-	-	-	21,784	1,584	-
Hops / 'Geshe'	-	-	-	-	-	-	*	*	-
Enset	-	-	-	-	-	-	32,361	4,156	-
Sugar cane	-	-	-	-	-	-	7,203	143	-
Other permanent	-	-	-	-	-	-	3,006	23	-

(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>	*	*	-	148	*	221	*	183	*
<b>Cereals</b>	-	-	-	98	*	*	*	*	*
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				-	-	-	-	-	-

Table1.7.15 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>	30,676	13,395	-	37,314	13,395	-	-	-
<b>Cereals</b>	22,770	9,981	-	32,315	9,981	-	-	-
Teff	2,032	*	-	*	*	-	-	-
Barley	*	*	-	*	*	-	-	-
Wheat	*	-	-	-	-	-	-	-
Maize	8,204	*	-	9,509	*	-	-	-
Sorghum	12,283	6,937	-	27,258	6,937	-	-	-
Finger millet	*	*	-	*	*	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
<b>Pulses</b>	1,311	121	-	3,576	121	-	-	-
Horse / Faba beans	*	-	-	-	-	-	-	-
Field Peas	*	*	-	*	*	-	-	-
Haricot beans	1,234	115	-	3,288	115	-	-	-
Chick peas	-	-	-	-	-	-	-	-
Lentils	*	*	-	*	*	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	*	-	-	-	-	-	-	-
Fenugreek	*	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	*	*	-	*	*	-	-	-
Neug	-	-	-	-	-	-	-	-
Linseed	*	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-
Safflower	*	*	-	*	*	-	-	-
Sesame	*	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-
<b>Vegetables</b>	26	*	-	*	*	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-
Ethiopian cabbage	14	*	-	*	*	-	-	-
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	*	*	-	*	*	-	-	-
Red peppers	*	*	-	*	*	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
<b>Root crops</b>	83	*	-	2,506	*	-	-	-
Beetroot	-	-	-	-	-	-	-	-
Carrot	*	*	-	*	*	-	-	-
Onion	*	*	-	*	*	-	-	-
Potatoes	*	*	-	*	*	-	-	-
Garlic	-	-	-	-	-	-	-	-
Taro 'Godere'	*	-	-	-	-	-	-	-
Sweet potatoes	52	*	-	1,954	*	-	-	-
<b>Other Temporary</b>	4,375	2,176	-	20,145	2,176	-	-	-
<b>Permanent crops</b>	2,027	1,056	-	26,941	1,056	-	-	-
Avocado	*	*	-	*	*	-	-	-
Bananas	189	*	-	4,042	*	-	-	-
Guava	9	3	-	1,103	3	-	-	-
Lemons	*	1	-	828	1	-	-	-
Mangoes	58	*	-	2,613	*	-	-	-
Oranges	*	*	-	*	*	-	-	-
Papayas	51	31	-	6,904	31	-	-	-
Pineapples	-	-	-	-	-	-	-	-
Chat	*	*	-	*	*	-	-	-
Coffee	526	212	-	8,365	212	-	-	-
Hops / 'Geshe'	*	*	-	*	*	-	-	-
Enset	*	-	-	-	-	-	-	-
Sugar cane	*	*	-	*	*	-	-	-
Other permanent	1,006	671	-	23,514	671	-	-	-

(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>	*	*	*	-	-	-	9,567	5,889	2,491
<b>Cereals</b>	*	*	*	-	-	-	7,490	3,323	1,424
Teff	-	-	-	-	-	-	3,224	880	319
Barley	*	*	*	-	-	-	3,705	256	198
Wheat	*	*	*	-	-	-	4,023	553	452
Maize	-	-	-	-	-	-	4,595	1,330	357
Sorghum	-	-	-	-	-	-	1,350	304	99
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	*	*	*	-	-	-	6,122	1,807	1,066
Horse / Faba beans	-	-	-	-	-	-	350	8	8
Field Peas	*	*	*	-	-	-	767	91	69
Haricot beans	-	-	-	-	-	-	5,395	1,637	961
Chick peas	-	-	-	-	-	-	326	*	*
Lentils	-	-	-	-	-	-	307	18	8
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	*	*	*
Fenugreek	-	-	-	-	-	-	414	12	*
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	-	-	-	274	4	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	*	*	*
Groundnuts	-	-	-	-	-	-	*	*	*
Safflower	-	-	-	-	-	-	*	*	*
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	*	*	*
<b>Vegetables</b>	-	-	-	-	-	-	3,471	26	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	-	-	-	-	-	-	*	*	-
Ethiopian cabbage	-	-	-	-	-	-	2,911	23	-
Tomatoes	-	-	-	-	-	-	174	*	-
Green peppers	-	-	-	-	-	-	867	2	-
Red peppers	-	-	-	-	-	-	*	*	-
Swiss chard	-	-	-	-	-	-	*	*	-
<b>Root crops</b>	-	-	-	-	-	-	1,348	15	-
Beetroot	-	-	-	-	-	-	100	*	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	-	-	-	-	-	-	199	*	-
Potatoes	-	-	-	-	-	-	370	*	-
Garlic	-	-	-	-	-	-	*	*	-
Taro 'Godere'	-	-	-	-	-	-	124	*	-
Sweet potatoes	-	-	-	-	-	-	556	6	-
<b>Other Temporary</b>	-	-	-	-	-	-	4,414	78	-
<b>Permanent crops</b>	-	-	-	-	-	-	7,789	636	-
Avocado	-	-	-	-	-	-	690	2	-
Bananas	-	-	-	-	-	-	3,311	20	-
Guava	-	-	-	-	-	-	714	*	-
Lemons	-	-	-	-	-	-	127	*	-
Mangoes	-	-	-	-	-	-	225	*	-
Oranges	-	-	-	-	-	-	173	*	-
Papayas	-	-	-	-	-	-	1,717	7	-
Pineapples	-	-	-	-	-	-	-	-	-
Chat	-	-	-	-	-	-	295	3	-
Coffee	-	-	-	-	-	-	3,937	102	-
Hops / 'Geshe'	-	-	-	-	-	-	*	*	-
Enset	-	-	-	-	-	-	4,545	451	-
Sugar cane	-	-	-	-	-	-	2,379	26	-
Other permanent	-	-	-	-	-	-	1,860	20	-

(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>	559	*	-	1,676	*	7,598	*	1,112	*
<b>Cereals</b>	*	*	-	*	*	6,910	*	*	*
Teff	-	-	-	*	*	*	*	*	*
Barley	-	-	-	*	*	-	-	-	-
Wheat	-	-	-	-	-	-	-	-	-
Maize	-	-	-	*	*	6,765	*	*	*
Sorghum	*	*	-	-	-	717	*	*	*
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>	-	-	-	*	*	1,572	*	*	*
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>	20,156	365	*	5,400	363	*	*	*
<b>Cereals</b>	17,165	*	-	1,816	*	-	-	-
Teff	1,378	*	-	*	*	-	-	-
Barley	314	*	-	*	*	-	-	-
Wheat	*	-	-	-	-	-	-	-
Maize	7,643	*	-	1,358	*	-	-	-
Sorghum	7,699	*	-	*	*	-	-	-
Finger millet	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
<b>Pulses</b>	1,125	*	-	*	*	-	-	-
Horse / Faba beans	*	-	-	-	-	-	-	-
Field Peas	*	-	-	-	-	-	-	-
Haricot beans	901	*	-	*	*	-	-	-
Chick peas	177	-	-	-	-	-	-	-
Lentils	*	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	*	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-
Safflower	*	-	-	-	-	-	-	-
Sesame	*	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-
<b>Vegetables</b>	114	36	-	2,640	36	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	*	*	-	-	-
Ethiopian cabbage	92	35	-	2,565	35	-	-	-
Tomatoes	*	-	-	-	-	-	-	-
Green peppers	*	-	-	-	-	-	-	-
Red peppers	*	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
<b>Root crops</b>	67	13	*	1,418	11	*	*	*
Beetroot	*	*	-	*	*	-	-	-
Carrot	*	-	-	-	-	-	-	-
Onion	*	*	*	*	*	*	*	*
Potatoes	*	*	-	*	*	-	-	-
Garlic	-	-	-	-	-	-	-	-
Taro 'Godere'	11	*	-	817	*	-	-	-
Sweet potatoes	14	*	-	378	*	-	-	-
<b>Other Temporary</b>	192	11	-	2,013	11	-	-	-
<b>Permanent crops</b>	1,492	149	-	4,639	149	-	-	-
Avocado	-	-	-	-	-	-	-	-
Bananas	181	*	*	*	*	-	-	-
Guava	*	*	*	*	*	-	-	-
Lemons	2	*	*	*	*	-	-	-
Mangoes	*	-	-	-	-	-	-	-
Oranges	*	-	-	-	-	-	-	-
Papayas	*	-	-	-	-	-	-	-
Pineapples	-	-	-	-	-	-	-	-
Chat	*	*	*	*	*	-	-	-
Coffee	114	26	-	2,676	26	-	-	-
Hops / 'Geshe'	28	*	-	742	*	-	-	-
Enset	297	74	-	2,942	74	-	-	-
Sugar cane	24	5	-	1,040	5	-	-	-
Other permanent	713	*	-	1,344	*	-	-	-

(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>	-	-	-	-	-	-	24,808	20,139	2,730
<b>Cereals</b>	-	-	-	-	-	-	23,384	17,165	2,473
Teff	-	-	-	-	-	-	5,803	1,378	435
Barley	-	-	-	-	-	-	3,080	314	*
Wheat	-	-	-	-	-	-	1,264	*	*
Maize	-	-	-	-	-	-	19,005	7,643	1,271
Sorghum	-	-	-	-	-	-	13,030	7,699	623
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	-	-	-	-	-	-	8,230	1,125	256
Horse / Faba beans	-	-	-	-	-	-	*	*	*
Field Peas	-	-	-	-	-	-	679	*	*
Haricot beans	-	-	-	-	-	-	7,409	901	209
Chick peas	-	-	-	-	-	-	750	177	25
Lentils	-	-	-	-	-	-	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	-	-	-	*	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	*	*	*
Sesame	-	-	-	-	-	-	*	*	*
Rapeseed	-	-	-	-	-	-	-	-	-
<b>Vegetables</b>	-	-	-	-	-	-	8,720	114	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	*	*	-
Ethiopian cabbage	-	-	-	-	-	-	8,035	92	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	*	*	-
Red peppers	-	-	-	-	-	-	*	*	-
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	-	-	-	-	-	-	5,395	67	-
Beetroot	-	-	-	-	-	-	*	*	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	-	-	-	-	-	-	1,053	*	-
Potatoes	-	-	-	-	-	-	*	*	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	2,463	11	-
Sweet potatoes	-	-	-	-	-	-	1,957	14	-
<b>Other Temporary</b>	-	-	-	-	-	-	8,858	192	-
<b>Permanent crops</b>	-	-	-	-	-	-	19,780	1,475	-
Avocado	-	-	-	-	-	-	-	-	-
Bananas	-	-	-	-	-	-	3,947	181	-
Guava	-	-	-	-	-	-	*	*	-
Lemons	-	-	-	-	-	-	1,072	2	-
Mangoes	-	-	-	-	-	-	*	*	-
Oranges	-	-	-	-	-	-	*	*	-
Papayas	-	-	-	-	-	-	1,230	*	-
Pineapples	-	-	-	-	-	-	-	-	-
Chat	-	-	-	-	-	-	3,392	*	-
Coffee	-	-	-	-	-	-	8,426	114	-
Hops / 'Geshe'	-	-	-	-	-	-	3,220	27	-
Enset	-	-	-	-	-	-	8,684	297	-
Sugar cane	-	-	-	-	-	-	3,673	24	-
Other permanent	-	-	-	-	-	-	10,937	696	-



(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>	-	-	-	*	*	*	*	*	*
<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 / 'Gesho'	-	-	-	-	-	-	-	-	-
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>	48,049	14,509	*	95,200	14,337	*	*	*
<b>Cereals</b>	16,930	1,682	*	8,788	1,509	*	*	*
Teff	11,144	*	*	*	*	*	*	*
Barley	588	*	-	*	*	-	-	-
Wheat	*	*	*	*	*	*	*	*
Maize	2,188	*	*	*	*	*	*	*
Sorghum	2,258	*	-	*	*	-	-	-
Finger millet	*	-	-	-	-	-	-	-
Oats / 'Aja'	*	*	-	*	*	-	-	-
Rice	-	-	-	-	-	-	-	-
<b>Pulses</b>	12,521	348	-	5,643	348	-	-	-
Horse / Faba beans	5,574	252	-	3,211	252	-	-	-
Field Peas	5,126	*	-	*	*	-	-	-
Haricot beans	*	*	-	1,416	*	-	-	-
Chick peas	*	*	-	*	*	-	-	-
Lentils	112	*	-	*	*	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	*	*	-	*	*	-	-	-
Fenugreek	*	-	-	-	-	-	-	-
Gibto	*	*	-	*	*	-	-	-
<b>Oilseeds</b>	240	*	-	831	*	-	-	-
Neug	*	-	-	-	-	-	-	-
Linseed	114	*	-	*	*	-	-	-
Groundnuts	*	*	-	*	*	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	*	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-
<b>Vegetables</b>	385	312	-	37,681	312	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	*	-	-	-	-	-	-	-
Ethiopian cabbage	318	260	-	36,360	260	-	-	-
Tomatoes	-	-	-	-	-	-	-	-
Green peppers	6	*	-	1,180	*	-	-	-
Red peppers	*	*	-	*	*	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
<b>Root crops</b>	4,452	2,026	-	47,467	2,026	-	-	-
Beetroot	*	*	-	*	*	-	-	-
Carrot	*	*	-	*	*	-	-	-
Onion	*	*	-	*	*	-	-	-
Potatoes	*	*	-	*	*	-	-	-
Garlic	4	3	-	875	3	-	-	-
Taro 'Godere'	3,657	1,658	-	44,065	1,658	-	-	-
Sweet potatoes	769	346	-	10,167	346	-	-	-
<b>Other Temporary</b>	519	168	-	13,408	168	-	-	-
<b>Permanent crops</b>	13,002	9,951	-	87,836	9,951	-	-	-
Avocado	111	89	-	9,482	89	-	-	-
Bananas	652	195	-	16,520	195	-	-	-
Guava	*	-	-	-	-	-	-	-
Lemons	*	*	-	*	*	-	-	-
Mangoes	*	*	-	*	*	-	-	-
Oranges	*	*	-	*	*	-	-	-
Papayas	101	61	-	10,694	61	-	-	-
Pineapples	-	-	-	-	-	-	-	-
Chat	*	*	-	*	*	-	-	-
Coffee	996	607	-	23,044	607	-	-	-
Hops / 'Geshe'	33	*	-	*	*	-	-	-
Enset	10,669	8,786	-	85,578	8,786	-	-	-
Sugar cane	165	108	-	8,371	108	-	-	-
Other permanent	*	*	-	*	*	-	-	-

(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>	-	-	-	-	-	-	108,679	47,866	19,234
<b>Cereals</b>	-	-	-	-	-	-	61,851	16,847	8,052
Teff	-	-	-	-	-	-	44,671	11,144	4,861
Barley	-	-	-	-	-	-	6,707	588	880
Wheat	-	-	-	-	-	-	4,639	*	*
Maize	-	-	-	-	-	-	11,342	2,166	769
Sorghum	-	-	-	-	-	-	17,136	2,258	577
Finger millet	-	-	-	-	-	-	*	*	*
Oats / 'Aja'	-	-	-	-	-	-	1,819	*	*
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	-	-	-	-	-	-	54,512	12,517	11,104
Horse / Faba beans	-	-	-	-	-	-	32,511	5,573	6,258
Field Peas	-	-	-	-	-	-	22,980	5,124	3,960
Haricot beans	-	-	-	-	-	-	12,795	*	762
Chick peas	-	-	-	-	-	-	*	*	*
Lentils	-	-	-	-	-	-	3,523	112	91
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	*	*	*
Fenugreek	-	-	-	-	-	-	*	*	-
Gibto	-	-	-	-	-	-	*	*	-
<b>Oilseeds</b>	-	-	-	-	-	-	9,574	240	77
Neug	-	-	-	-	-	-	*	*	*
Linseed	-	-	-	-	-	-	6,915	114	43
Groundnuts	-	-	-	-	-	-	1,994	*	*
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	*	*	*
Rapeseed	-	-	-	-	-	-	-	-	-
<b>Vegetables</b>	-	-	-	-	-	-	46,723	385	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	*	*	-
Ethiopian cabbage	-	-	-	-	-	-	44,855	318	-
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	-	2,597	6	-
Red peppers	-	-	-	-	-	-	2,243	*	-
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	-	-	-	-	-	-	82,240	4,448	-
Beetroot	-	-	-	-	-	-	*	*	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	-	-	-	-	-	-	*	*	-
Potatoes	-	-	-	-	-	-	*	*	-
Garlic	-	-	-	-	-	-	1,040	4	-
Taro 'Godere'	-	-	-	-	-	-	77,871	3,654	-
Sweet potatoes	-	-	-	-	-	-	21,295	769	-
<b>Other Temporary</b>	-	-	-	-	-	-	23,636	519	-
<b>Permanent crops</b>	-	-	-	-	-	-	105,888	12,909	-
Avocado	-	-	-	-	-	-	15,105	109	-
Bananas	-	-	-	-	-	-	46,073	652	-
Guava	-	-	-	-	-	-	*	*	-
Lemons	-	-	-	-	-	-	*	*	-
Mangoes	-	-	-	-	-	-	3,364	*	-
Oranges	-	-	-	-	-	-	5,271	*	-
Papayas	-	-	-	-	-	-	18,243	101	-
Pineapples	-	-	-	-	-	-	-	-	-
Chat	-	-	-	-	-	-	665	*	-
Coffee	-	-	-	-	-	-	42,875	954	-
Hops / 'Geshe'	-	-	-	-	-	-	5,118	31	-
Enset	-	-	-	-	-	-	102,642	10,623	-
Sugar cane	-	-	-	-	-	-	16,569	163	-
Other permanent	-	-	-	-	-	-	6,958	*	-

(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>	834	*	*	*	*	*	*	1,555	185
<b>Cereals</b>	*	*	*	*	*	-	-	664	*
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				-	-	-	-	-	-

Table1.7.18 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>	6,223	1,006	139	7,488	872	*	*	*
<b>Cereals</b>	3,479	423	131	2,164	*	*	*	*
Teff	2,593	*	*	*	*	-	-	-
Barley	36	-	-	-	-	-	-	-
Wheat	*	-	-	-	-	-	-	-
Maize	675	180	119	1,908	*	*	*	*
Sorghum	169	*	*	*	*	-	-	-
Finger millet	*	-	-	-	-	-	-	-
Oats / 'Aja'	*	*	-	*	*	-	-	-
Rice	*	-	-	-	-	-	-	-
<b>Pulses</b>	305	*	-	1,265	*	-	-	-
Horse / Faba beans	*	-	-	-	-	-	-	-
Field Peas	70	*	-	*	*	-	-	-
Haricot beans	223	*	-	1,211	*	-	-	-
Chick peas	-	-	-	-	-	-	-	-
Lentils	*	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	*	-	-	-	-	-	-	-
Fenugreek	*	*	-	*	*	-	-	-
Gibto	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	24	*	-	*	*	-	-	-
Neug	-	-	-	-	-	-	-	-
Linseed	6	-	-	-	-	-	-	-
Groundnuts	*	*	-	*	*	-	-	-
Safflower	*	*	-	*	*	-	-	-
Sesame	*	-	-	-	-	-	-	-
Rapeseed	*	-	-	-	-	-	-	-
<b>Vegetables</b>	19	3	-	660	3	-	-	-
Lettuce	*	-	-	-	-	-	-	-
Head cabbage	3	*	-	*	*	-	-	-
Ethiopian cabbage	12	2	-	368	2	-	-	-
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	*	*	-	*	*	-	-	-
Red peppers	*	-	-	-	-	-	-	-
Swiss chard	*	-	-	-	-	-	-	-
<b>Root crops</b>	649	45	-	3,788	45	-	-	-
Beetroot	*	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	2	1	-	381	1	-	-	-
Potatoes	*	-	-	-	-	-	-	-
Garlic	*	-	-	-	-	-	-	-
Taro 'Godere'	174	24	-	3,126	24	-	-	-
Sweet potatoes	470	20	-	1,506	20	-	-	-
<b>Other Temporary</b>	269	32	-	2,513	32	-	-	-
<b>Permanent crops</b>	1,479	455	-	7,034	454	-	-	-
Avocado	28	5	-	1,471	5	-	-	-
Bananas	121	18	-	2,774	18	-	-	-
Guava	*	-	-	-	-	-	-	-
Lemons	1	*	-	*	*	-	-	-
Mangoes	13	3	-	*	3	-	-	-
Oranges	1	-	-	-	-	-	-	-
Papayas	4	*	-	*	*	-	-	-
Pineapples	*	-	-	-	-	-	-	-
Chat	*	*	-	*	*	-	-	-
Coffee	472	134	-	4,700	133	-	-	-
Hops / 'Geshe'	17	2	-	320	2	-	-	-
Enset	735	275	-	5,611	275	-	-	-
Sugar cane	84	16	-	1,860	16	-	-	-
Other permanent	2	*	-	*	*	-	-	-

(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>	*	*	*	332	*	95	14,676	6,105	1,591
<b>Cereals</b>	*	*	*	332	*	86	13,096	3,375	1,464
Teff	*	*	*	-	-	-	8,910	2,593	1,169
Barley	-	-	-	-	-	-	409	36	27
Wheat	-	-	-	-	-	-	*	*	*
Maize	*	*	*	332	*	85	9,893	571	233
Sorghum	-	-	-	*	*	*	2,860	169	30
Finger millet	-	-	-	-	-	-	*	*	*
Oats / 'Aja'	-	-	-	-	-	-	*	*	-
Rice	-	-	-	-	-	-	*	*	*
<b>Pulses</b>	-	-	-	-	-	-	8,593	304	122
Horse / Faba beans	-	-	-	-	-	-	*	*	*
Field Peas	-	-	-	-	-	-	2,071	70	31
Haricot beans	-	-	-	-	-	-	7,525	223	83
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	*	*	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	*	*	-
Fenugreek	-	-	-	-	-	-	*	*	*
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	-	-	-	*	24	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	378	6	3
Groundnuts	-	-	-	-	-	-	*	*	*
Safflower	-	-	-	-	-	-	*	*	*
Sesame	-	-	-	-	-	-	*	*	*
Rapeseed	-	-	-	-	-	-	*	*	-
<b>Vegetables</b>	-	-	-	-	-	-	3,207	19	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	-	-	-	-	-	-	408	3	-
Ethiopian cabbage	-	-	-	-	-	-	2,567	12	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	295	*	-
Red peppers	-	-	-	-	-	-	*	*	-
Swiss chard	-	-	-	-	-	-	*	*	-
<b>Root crops</b>	-	-	-	-	-	-	13,694	649	-
Beetroot	-	-	-	-	-	-	*	*	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	1,204	2	-
Potatoes	-	-	-	-	-	-	415	*	-
Garlic	-	-	-	-	-	-	*	*	-
Taro 'Godere'	-	-	-	-	-	-	11,619	174	-
Sweet potatoes	-	-	-	-	-	-	10,682	470	-
<b>Other Temporary</b>	-	-	-	-	-	-	10,201	262	-
<b>Permanent crops</b>	-	-	-	-	-	-	13,418	1,473	-
Avocado	-	-	-	-	-	-	5,120	28	-
Bananas	-	-	-	-	-	-	9,526	120	-
Guava	-	-	-	-	-	-	*	*	-
Lemons	-	-	-	-	-	-	272	1	-
Mangoes	-	-	-	-	-	-	5,259	13	-
Oranges	-	-	-	-	-	-	173	1	-
Papayas	-	-	-	-	-	-	2,042	4	-
Pineapples	-	-	-	-	-	-	*	*	-
Chat	-	-	-	-	-	-	*	*	-
Coffee	-	-	-	-	-	-	11,527	472	-
Hops / 'Geshe'	-	-	-	-	-	-	1,538	17	-
Enset	-	-	-	-	-	-	12,106	730	-
Sugar cane	-	-	-	-	-	-	6,439	83	-
Other permanent	-	-	-	-	-	-	973	2	-

(Table 1.7.18 Cont'd.)

**Basketo Special Wereda**

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
<b>All</b>	525	104	38	216	2	*	*	518	91
<b>Cereals</b>	405	104	38	*	*	*	*	352	85
Teff	-	-	-	-	-	-	-	*	*
Barley	-	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-	-
Maize	405	104	38	*	*	*	*	293	*
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 / 'Gesho'				-	-	-	-	-	-
Enset				*	*	*	*		
Sugar cane				*	*	*	*	*	*
Other permanent				-	-	-	-	-	-

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

**Konta Special Wereda**

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
<b>All</b>	16,207	1,339	*	15,391	1,333	-	-	-
<b>Cereals</b>	7,844	68	*	695	63	-	-	-
Teff	5,332	*	-	*	*	-	-	-
Barley	*	-	-	-	-	-	-	-
Wheat	154	*	*	-	-	-	-	-
Maize	289	*	-	*	*	-	-	-
Sorghum	1,700	*	-	*	*	-	-	-
Finger millet	-	-	-	-	-	-	-	-
Oats / 'Aja'	*	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
<b>Pulses</b>	4,032	17	-	570	17	-	-	-
Horse / Faba beans	2,241	*	-	*	*	-	-	-
Field Peas	1,450	-	-	-	-	-	-	-
Haricot beans	334	12	-	503	12	-	-	-
Chick peas	*	-	-	-	-	-	-	-
Lentils	*	-	-	-	-	-	-	-
Vetch / Grass peas	*	-	-	-	-	-	-	-
Soya beans	*	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	*	*	-	*	*	-	-	-
Neug	*	-	-	-	-	-	-	-
Linseed	*	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	*	-	-	-	-	-	-	-
Rapeseed	*	*	-	*	*	-	-	-
<b>Vegetables</b>	42	5	-	962	5	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-
Ethiopian cabbage	16	4	-	771	4	-	-	-
Tomatoes	-	-	-	-	-	-	-	-
Green peppers	2	*	-	*	*	-	-	-
Red peppers	*	*	-	*	*	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
<b>Root crops</b>	2,135	386	-	7,592	386	-	-	-
Beetroot	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	*	-	-	-	-	-	-	-
Potatoes	*	-	-	-	-	-	-	-
Garlic	*	*	-	*	*	-	-	-
Taro 'Godere'	2,047	375	-	7,340	375	-	-	-
Sweet potatoes	85	*	-	*	*	-	-	-
<b>Other Temporary</b>	165	*	-	754	*	-	-	-
<b>Permanent crops</b>	1,967	844	-	14,299	844	-	-	-
Avocado	24	*	-	1,577	*	-	-	-
Bananas	301	55	-	3,015	55	-	-	-
Guava	*	-	-	-	-	-	-	-
Lemons	*	*	-	*	*	-	-	-
Mangoes	*	*	-	444	*	-	-	-
Oranges	8	*	-	410	*	-	-	-
Papayas	35	21	-	2,427	21	-	-	-
Pineapples	*	*	-	*	*	-	-	-
Chat	15	*	-	*	*	-	-	-
Coffee	302	85	-	3,657	85	-	-	-
Hops / 'Geshe'	9	-	-	-	-	-	-	-
Enset	1,200	658	-	12,909	658	-	-	-
Sugar cane	46	*	-	1,192	*	-	-	-
Other permanent	*	-	-	-	-	-	-	-



(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>	-	-	-	*	*	*	26,025	16,150	6,702
<b>Cereals</b>	-	-	-	*	*	*	18,853	7,801	3,420
Teff	-	-	-	-	-	-	14,822	5,302	1,912
Barley	-	-	-	-	-	-	2,435	*	*
Wheat	-	-	-	*	*	*	1,409	140	216
Maize	-	-	-	-	-	-	2,482	289	141
Sorghum	-	-	-	-	-	-	7,317	1,700	632
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	*	*	*
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	-	-	-	-	-	-	12,999	4,032	3,280
Horse / Faba beans	-	-	-	-	-	-	8,254	2,241	1,994
Field Peas	-	-	-	-	-	-	5,956	1,450	1,102
Haricot beans	-	-	-	-	-	-	5,493	334	181
Chick peas	-	-	-	-	-	-	*	*	-
Lentils	-	-	-	-	-	-	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	*	*	*
Soya beans	-	-	-	-	-	-	*	*	*
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	-	-	-	780	*	*
Neug	-	-	-	-	-	-	*	*	*
Linseed	-	-	-	-	-	-	659	*	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	*	*	*
Rapeseed	-	-	-	-	-	-	*	*	*
<b>Vegetables</b>	-	-	-	-	-	-	5,047	42	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	3,890	16	-
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	-	804	2	-
Red peppers	-	-	-	-	-	-	980	*	-
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	-	-	-	-	-	-	22,092	2,134	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	*	*	-
Potatoes	-	-	-	-	-	-	*	*	-
Garlic	-	-	-	-	-	-	*	*	-
Taro 'Godere'	-	-	-	-	-	-	21,824	2,046	-
Sweet potatoes	-	-	-	-	-	-	3,517	85	-
<b>Other Temporary</b>	-	-	-	-	-	-	6,352	165	-
<b>Permanent crops</b>							24,587	1,955	
Avocado							4,329	23	
Bananas							13,734	293	
Guava							*	*	
Lemons							440	*	
Mangoes							1,601	*	
Oranges							1,680	8	
Papayas							6,276	35	
Pineapples							*	*	
Chat							1,383	15	
Coffee							11,361	300	
Hops / 'Gesho'							1,358	9	
Enset							22,564	1,200	
Sugar cane							4,789	46	
Other permanent							586	*	

(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>	830	*	*	6,378	2,570	-	-	*	*
<b>Cereals</b>	*	*	*	6,115	2,535	-	-	*	*
Teff	*	*	*	5,987	2,490	-	-	*	*
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				-	-	-	-	-	-

Table1.7.20 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>	105,566	85,811	61,480	154,016	24,561	118,976	45,157	42,094
<b>Cereals</b>	79,916	63,793	52,761	66,761	8,195	114,598	41,367	37,367
Teff	15,674	11,773	7,050	3,099	360	32,491	8,898	5,102
Barley	7,926	7,163	8,151	14,963	326	53,881	6,232	7,629
Wheat	18,585	17,829	21,439	3,691	185	70,431	13,039	15,173
Maize	28,075	22,808	12,199	52,983	6,107	47,500	11,144	7,088
Sorghum	8,614	3,492	3,575	19,237	1,151	20,704	1,549	2,119
Finger millet	*	*	*	*	*	5,032	*	*
Oats / 'Aja'	*	*	-	*	*	-	-	-
Rice	*	*	*	-	-	*	*	*
<b>Pulses</b>	7,777	5,400	2,990	54,957	2,453	38,200	2,608	2,508
Horse / Faba beans	2,280	2,014	781	38,724	992	26,061	888	678
Field Peas	1,839	1,723	1,900	4,295	113	20,154	1,512	1,603
Haricot beans	303	176	*	3,668	70	*	*	*
Chick peas	2,458	1,089	*	11,081	1,016	-	-	-
Lentils	*	18	*	*	*	*	*	*
Vetch / Grass peas	*	*	*	*	*	*	*	*
Soya beans	*	*	*	-	-	*	*	*
Fenugreek	*	52	*	3,035	*	*	*	*
Gibto	*	*	*	-	-	*	*	*
<b>Oilseeds</b>	179	96	*	2,943	41	1,446	*	*
Neug	*	*	*	-	-	*	*	*
Linseed	103	32	*	*	*	*	*	*
Groundnuts	*	*	-	*	*	-	-	-
Safflower	*	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Rapeseed	35	*	*	*	*	*	*	*
<b>Vegetables</b>	4,570	4,261	4,588	122,844	2,030	13,547	915	1,434
Lettuce	*	-	-	-	-	-	-	-
Head cabbage	57	52	*	12,620	42	*	*	*
Ethiopian cabbage	1,990	1,815	*	120,617	1,780	2,954	*	*
Tomatoes	*	*	*	2,332	*	*	*	*
Green peppers	*	*	-	4,526	*	-	-	-
Red peppers	2,474	2,356	4,489	4,941	*	10,593	890	1,391
Swiss chard	*	*	*	*	*	*	*	*
<b>Root crops</b>	366	319	323	30,769	169	7,429	106	231
Beetroot	15	11	*	6,935	11	*	*	*
Carrot	22	*	*	5,445	*	*	*	*
Onion	18	14	*	7,034	14	*	*	*
Potatoes	234	208	*	14,889	120	*	87	*
Garlic	*	*	*	2,005	*	*	*	*
Taro 'Godere'	*	-	-	-	-	-	-	-
Sweet potatoes	*	*	*	*	*	-	-	-
<b>Other Temporary</b>	541	422	*	28,854	293	1,959	*	*
<b>Permanent crops</b>	12,216	11,520		132,853	11,381			
Avocado	55	42		18,258	42			
Bananas	133	122		30,440	93			
Guava	*	*		3,624	*			
Lemons	3	2		1,387	2			
Mangoes	18	11		4,879	11			
Oranges	29	17		6,778	17			
Papayas	104	90		18,509	87			
Pineapples	-	-		-	-			
Chat	2,619	2,200		73,771	2,170			
Coffee	379	333		38,205	333			
Hops / 'Geshe'	*	*		*	*			
Enset	8,567	8,469		104,819	8,457			
Sugar cane	136	84		17,354	82			
Other permanent	161	141		23,480	78			

(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>	9,996	*	*	34,897	12,396	15,465	172,534	100,125	74,411
<b>Cereals</b>	9,422	*	*	31,160	10,916	12,166	164,106	74,680	66,832
Teff	2,235	*	*	9,502	2,221	*	53,352	15,630	5,914
Barley	*	*	*	4,977	503	452	78,748	7,907	14,159
Wheat	*	*	*	15,681	3,456	5,080	87,455	16,716	32,200
Maize	*	*	*	15,964	4,161	3,783	110,357	24,792	11,978
Sorghum	*	*	*	6,560	512	1,109	75,629	8,596	2,103
Finger millet	*	*	*	*	*	*	12,583	*	*
Oats / 'Aja'	-	-	-	-	-	-	*	*	*
Rice	-	-	-	-	-	-	*	*	*
<b>Pulses</b>	*	*	*	3,804	215	197	111,250	7,679	7,543
Horse / Faba beans	*	*	*	*	*	*	76,097	2,278	2,459
Field Peas	*	*	*	1,186	*	*	30,195	1,748	2,519
Haricot beans	*	*	*	*	*	*	10,419	303	210
Chick peas	-	-	-	*	*	*	23,405	2,458	1,729
Lentils	-	-	-	-	-	-	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	7,257	*	*
Soya beans	-	-	-	-	-	-	*	*	*
Fenugreek	-	-	-	*	*	*	5,829	*	*
Gibto	-	-	-	-	-	-	*	*	*
<b>Oilseeds</b>	-	-	-	*	*	*	9,326	158	35
Neug	-	-	-	-	-	-	*	*	*
Linseed	-	-	-	*	*	*	4,952	103	27
Groundnuts	-	-	-	-	-	-	1,447	*	*
Safflower	-	-	-	-	-	-	*	*	*
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	2,597	35	*
<b>Vegetables</b>	*	*	*	8,113	1,172	2,867	139,907	4,546	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	-	-	-	*	*	-	15,169	57	-
Ethiopian cabbage	*	*	*	*	*	*	133,363	1,989	-
Tomatoes	-	-	-	-	-	-	3,217	*	-
Green peppers	-	-	-	-	-	-	5,085	*	-
Red peppers	*	*	*	7,837	1,164	2,855	26,256	2,449	-
Swiss chard	-	-	-	-	-	-	*	*	-
<b>Root crops</b>	-	-	-	*	*	*	43,776	363	-
Beetroot	-	-	-	-	-	-	9,448	15	-
Carrot	-	-	-	-	-	-	7,959	21	-
Onion	-	-	-	-	-	-	9,549	16	-
Potatoes	-	-	-	*	*	*	23,110	234	-
Garlic	-	-	-	-	-	-	2,610	*	-
Taro 'Godere'	-	-	-	-	-	-	*	*	-
Sweet potatoes	-	-	-	*	*	*	1,779	*	-
<b>Other Temporary</b>	*	*	*	*	*	*	34,227	541	-
<b>Permanent crops</b>							140,349	12,159	
Avocado							19,655	50	
Bananas							34,740	133	
Guava							4,459	*	
Lemons							1,666	3	
Mangoes							5,484	13	
Oranges							7,667	29	
Papayas							20,478	99	
Pineapples							-	-	
Chat							87,460	2,610	
Coffee							43,642	375	
Hops / 'Geshe'							*	*	
Enset							105,940	8,539	
Sugar cane							18,786	135	
Other permanent							29,216	161	

(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>	23,620	5,310	4,980	87,261	27,840	7,543	*	20,834	4,517
<b>Cereals</b>	20,255	5,159	4,903	85,496	27,205	*	*	18,512	4,198
Teff	*	*	*	39,110	11,920	-	-	*	*
Barley	*	*	*	19,012	*	*	*	*	*
Wheat	7,527	1,840	3,866	58,145	12,162	*	*	8,806	1,578
Maize	13,646	3,258	996	3,657	*	*	*	9,793	*
Sorghum	-	-	-	*	*	*	*	*	*
Finger millet	-	-	-	5,592	*	-	-	-	-
Oats / 'Aja'	-	-	-	*	*	-	-	-	-
Rice	-	-	-	*	*	-	-	-	-
<b>Pulses</b>	*	*	*	*	*	*	*	*	*
Horse / Faba beans	-	-	-	1,212	*	*	*	*	*
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>	-	-	-	*	*	3,611	53	1,456	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	*	*	*	*
Ethiopian cabbage	-	-	-	*	*	3,285	43	*	*
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>				3,119	*	4,487	*	3,396	*
Avocado				*	*	*	*	*	*
Bananas				-	-	*	*	-	-
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	*	*	*	*
Oranges				-	-	-	-	-	-
Papayas				*	*	*	*	*	*
Pineapples				-	-	-	-	-	-
Chat				*	*	*	*	1,400	*
Coffee	*	*	-	-	-	2,284	*	*	*
Hops / 'Geshe'				-	-	-	-	-	-
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>	42,554	26,386	18,517	30,443	5,070	27,712	16,955	14,116
<b>Cereals</b>	34,575	20,006	12,276	18,570	2,886	24,413	13,500	9,083
Teff	8,666	7,616	3,973	*	*	15,554	5,677	2,636
Barley	297	78	*	*	*	801	*	*
Wheat	3,565	2,504	2,274	484	*	8,736	1,853	1,507
Maize	16,633	7,643	4,033	17,265	2,408	13,466	4,439	3,309
Sorghum	3,751	1,221	1,436	6,147	331	7,084	737	1,208
Finger millet	1,658	943	435	590	50	8,245	750	353
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	*	*	*	-	-	*	*	*
<b>Pulses</b>	1,186	423	373	3,377	80	3,372	325	351
Horse / Faba beans	*	*	-	*	*	-	-	-
Field Peas	*	-	-	-	-	-	-	-
Haricot beans	1,060	401	345	2,575	73	2,849	309	323
Chick peas	-	-	-	-	-	-	-	-
Lentils	*	*	-	*	*	*	*	-
Vetch / Grass peas	*	*	-	*	*	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	33	18	28	579	*	504	*	28
Gibto	*	-	-	-	-	-	-	-
<b>Oilseeds</b>	70	26	*	*	*	905	23	*
Neug	-	-	-	-	-	-	-	-
Linseed	44	19	*	*	*	703	16	*
Groundnuts	*	*	-	*	*	-	-	-
Safflower	*	*	-	*	*	-	-	-
Sesame	*	*	*	-	-	*	*	*
Rapeseed	*	*	*	-	-	*	*	*
<b>Vegetables</b>	4,900	4,490	5,604	23,462	769	15,273	3,021	4,441
Lettuce	*	*	-	*	*	-	-	-
Head cabbage	21	20	-	2,122	20	-	-	-
Ethiopian cabbage	684	628	*	22,763	595	793	*	*
Tomatoes	-	-	-	-	-	-	-	-
Green peppers	*	*	-	*	*	-	-	-
Red peppers	4,186	3,833	5,471	2,262	145	14,967	2,992	4,315
Swiss chard	*	*	-	*	*	-	-	-
<b>Root crops</b>	150	118	*	4,892	81	704	*	8
Beetroot	*	*	-	407	*	-	-	-
Carrot	*	*	*	504	*	*	*	*
Onion	*	*	-	519	*	-	-	-
Potatoes	126	99	*	3,089	62	411	*	6
Garlic	*	*	*	*	*	*	*	*
Taro 'Godere'	*	*	-	*	*	-	-	-
Sweet potatoes	*	*	-	685	*	-	-	-
<b>Other Temporary</b>	276	196	*	7,269	164	*	*	*
<b>Permanent crops</b>	1,398	1,127		23,041	1,089			
Avocado	6	5		1,826	5			
Bananas	39	28		5,706	28			
Guava	3	*		*	*			
Lemons	-	-		-	-			
Mangoes	*	*		*	*			
Oranges	-	-		-	-			
Papayas	9	7		1,833	7			
Pineapples	-	-		-	-			
Chat	1,147	922		19,171	884			
Coffee	90	80		4,648	80			
Hops / 'Geshe'	*	*		*	*			
Enset	70	66		10,363	66			
Sugar cane	17	11		2,762	10			
Other permanent	*	*		1,301	*			

(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>	415	*	*	11,558	4,322	4,367	42,308	41,718	19,621
<b>Cereals</b>	*	*	*	9,315	3,594	3,167	41,820	33,745	18,961
Teff	*	*	*	6,678	1,863	1,312	24,421	8,666	3,158
Barley	-	-	-	*	*	*	3,596	297	390
Wheat	-	-	-	2,680	608	766	14,999	3,565	6,706
Maize	-	-	-	2,697	795	724	39,936	15,811	6,812
Sorghum	-	-	-	1,407	*	*	29,154	3,743	1,390
Finger millet	-	-	-	1,032	142	83	18,528	1,658	502
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	*	*	*
<b>Pulses</b>	-	-	-	*	*	*	14,404	1,186	638
Horse / Faba beans	-	-	-	-	-	-	510	*	*
Field Peas	-	-	-	-	-	-	*	*	*
Haricot beans	-	-	-	*	*	*	12,812	1,060	588
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	1,209	*	*
Vetch / Grass peas	-	-	-	-	-	-	*	*	*
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	1,520	33	10
Gibto	-	-	-	-	-	-	*	*	*
<b>Oilseeds</b>	-	-	-	*	*	*	2,742	70	22
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	*	*	*	1,746	44	14
Groundnuts	-	-	-	-	-	-	*	*	-
Safflower	-	-	-	-	-	-	*	*	-
Sesame	-	-	-	-	-	-	516	*	*
Rapeseed	-	-	-	-	-	-	*	*	*
<b>Vegetables</b>	*	*	*	4,323	687	1,155	34,053	4,897	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	-	-	-	-	-	-	2,411	20	-
Ethiopian cabbage	*	*	*	*	*	*	25,899	683	-
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	-	*	*	-
Red peppers	*	*	*	4,227	684	1,149	23,029	4,186	-
Swiss chard	-	-	-	-	-	-	*	*	-
<b>Root crops</b>	-	-	-	*	*	*	6,602	150	-
Beetroot	-	-	-	-	-	-	407	*	-
Carrot	-	-	-	-	-	-	898	*	-
Onion	-	-	-	-	-	-	725	*	-
Potatoes	-	-	-	*	*	*	4,381	126	-
Garlic	-	-	-	-	-	-	*	*	-
Taro 'Godere'	-	-	-	-	-	-	*	*	-
Sweet potatoes	-	-	-	-	-	-	991	*	-
<b>Other Temporary</b>	-	-	-	*	*	*	9,091	276	-
<b>Permanent crops</b>							25,898	1,394	
Avocado							2,242	6	
Bananas							6,934	39	
Guava							904	3	
Lemons							-	-	
Mangoes							*	*	
Oranges							-	-	
Papayas							2,251	9	
Pineapples							-	-	
Chat							22,768	1,144	
Coffee							5,264	90	
Hops / 'Geshe'							*	*	
Enset							10,574	70	
Sugar cane							3,301	17	
Other permanent							1,717	*	

(Table 1.7.21 Cont'd.)

**Alaba Special Wereda**

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
<b>All</b>	2,366	824	172	21,522	8,557	385	*	3,754	1,517
<b>Cereals</b>	2,154	823	172	20,747	8,248	*	*	3,270	1,460
Teff	-	-	-	18,009	6,401	-	-	*	*
Barley	-	-	-	1,174	*	-	-	*	*
Wheat	-	-	-	7,964	1,585	-	-	*	*
Maize	2,154	816	172	*	*	*	*	3,176	1,206
Sorghum	*	*	-	*	*	-	-	961	66
Finger millet	-	-	-	1,315	130	-	-	*	*
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>	*	*	-	1,581	*	*	*	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	-	-	*	*	*	*
Ethiopian cabbage	-	-	-	*	*	*	*	*	*
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	-	-	-	-
Red peppers	-	-	-	1,385	*	-	-	*	*
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	-	-	-	-	-	-	-	-	-



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

**Gambela Region**

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
<b>All</b>	15,185	228	-	1,895	228	-	-	-
<b>Cereals</b>	10,098	162	-	*	162	-	-	-
Teff	*	*	-	*	*	-	-	-
Barley	*	-	-	-	-	-	-	-
Wheat	*	-	-	-	-	-	-	-
Maize	6,824	*	-	*	*	-	-	-
Sorghum	3,079	*	-	*	*	-	-	-
Finger millet	*	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	*	-	-	-	-	-	-	-
<b>Pulses</b>	85	*	-	*	*	-	-	-
Horse / Faba beans	*	-	-	-	-	-	-	-
Field Peas	*	-	-	-	-	-	-	-
Haricot beans	57	*	-	*	*	-	-	-
Chick peas	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	*	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Gibto	*	-	-	-	-	-	-	-
<b>Oilseeds</b>	349	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-
Linseed	*	-	-	-	-	-	-	-
Groundnuts	*	-	-	-	-	-	-	-
Safflower	*	-	-	-	-	-	-	-
Sesame	*	-	-	-	-	-	-	-
Rapeseed	*	-	-	-	-	-	-	-
<b>Vegetables</b>	189	*	-	*	*	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	2	-	-	-	-	-	-	-
Ethiopian cabbage	31	*	-	*	*	-	-	-
Tomatoes	*	-	-	-	-	-	-	-
Green peppers	31	*	-	*	*	-	-	-
Red peppers	*	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
<b>Root crops</b>	230	*	-	*	*	-	-	-
Beetroot	*	-	-	-	-	-	-	-
Carrot	*	-	-	-	-	-	-	-
Onion	4	*	-	*	*	-	-	-
Potatoes	*	-	-	-	-	-	-	-
Garlic	*	*	-	*	*	-	-	-
Taro 'Godere'	117	*	-	*	*	-	-	-
Sweet potatoes	106	*	-	*	*	-	-	-
<b>Other Temporary</b>	729	*	-	*	*	-	-	-
<b>Permanent crops</b>	3,505	*	-	709	*	-	-	-
Avocado	35	-	-	-	-	-	-	-
Bananas	131	-	-	-	-	-	-	-
Guava	*	-	-	-	-	-	-	-
Lemons	1	-	-	-	-	-	-	-
Mangoes	140	-	-	-	-	-	-	-
Oranges	19	*	-	*	*	-	-	-
Papayas	38	*	-	*	*	-	-	-
Pineapples	9	*	-	*	*	-	-	-
Chat	59	-	-	-	-	-	-	-
Coffee	2,431	*	-	*	*	-	-	-
Hops / 'Geshe'	35	*	-	*	*	-	-	-
Enset	496	*	-	*	*	-	-	-
Sugar cane	87	*	-	*	*	-	-	-
Other permanent	20	*	-	*	*	-	-	-

(Table 1.8 cont'd.)

**Gambela Region**

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
<b>All</b>	-	-	-	-	-	-	38,466	14,651	3,763
<b>Cereals</b>	-	-	-	-	-	-	33,105	9,575	3,480
Teff	-	-	-	-	-	-	*	*	*
Barley	-	-	-	-	-	-	*	*	*
Wheat	-	-	-	-	-	-	*	*	*
Maize	-	-	-	-	-	-	26,603	6,349	2,303
Sorghum	-	-	-	-	-	-	13,145	3,032	1,073
Finger millet	-	-	-	-	-	-	*	*	*
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	*	*	*
<b>Pulses</b>	-	-	-	-	-	-	6,429	85	38
Horse / Faba beans	-	-	-	-	-	-	*	*	*
Field Peas	-	-	-	-	-	-	*	*	*
Haricot beans	-	-	-	-	-	-	6,239	57	25
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	*	*	*
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	*	*	*
<b>Oilseeds</b>	-	-	-	-	-	-	2,741	349	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	*	*	-
Groundnuts	-	-	-	-	-	-	2,120	*	*
Safflower	-	-	-	-	-	-	*	*	*
Sesame	-	-	-	-	-	-	430	*	*
Rapeseed	-	-	-	-	-	-	*	*	*
<b>Vegetables</b>	-	-	-	-	-	-	8,913	189	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	263	2	-
Ethiopian cabbage	-	-	-	-	-	-	5,946	31	-
Tomatoes	-	-	-	-	-	-	809	*	-
Green peppers	-	-	-	-	-	-	2,811	31	-
Red peppers	-	-	-	-	-	-	1,851	*	-
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	-	-	-	-	-	-	10,247	228	-
Beetroot	-	-	-	-	-	-	195	*	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	-	-	-	-	-	-	589	4	-
Potatoes	-	-	-	-	-	-	*	*	-
Garlic	-	-	-	-	-	-	362	*	-
Taro 'Godere'	-	-	-	-	-	-	8,189	117	-
Sweet potatoes	-	-	-	-	-	-	2,786	104	-
<b>Other Temporary</b>	-	-	-	-	-	-	15,306	720	-
<b>Permanent crops</b>	-	-	-	-	-	-	19,549	3,505	-
Avocado	-	-	-	-	-	-	4,918	35	-
Bananas	-	-	-	-	-	-	7,929	131	-
Guava	-	-	-	-	-	-	425	*	-
Lemons	-	-	-	-	-	-	649	1	-
Mangoes	-	-	-	-	-	-	9,749	140	-
Oranges	-	-	-	-	-	-	3,239	19	-
Papayas	-	-	-	-	-	-	7,854	38	-
Pineapples	-	-	-	-	-	-	1,531	9	-
Chat	-	-	-	-	-	-	2,929	59	-
Coffee	-	-	-	-	-	-	10,206	2,431	-
Hops / 'Geshe'	-	-	-	-	-	-	2,664	35	-
Enset	-	-	-	-	-	-	8,933	496	-
Sugar cane	-	-	-	-	-	-	6,442	87	-
Other permanent	-	-	-	-	-	-	3,819	20	-

(Table 1.8 Cont'd.)

**Gambela Region**

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
<b>All</b>	*	*	*	*	*	*	*	561	*
<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	-	-	-	-	-	*	*	-	-

Table1.8.1 Number of Holders, Inputs Applied Area and Quantity of Inputs used

**Agnuwak**

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
<b>All</b>	6,310	*	-	*	*	-	-	-
<b>Cereals</b>	5,205	*	-	*	*	-	-	-
Teff	*	*	-	*	*	-	-	-
Barley	-	-	-	-	-	-	-	-
Wheat	*	-	-	-	-	-	-	-
Maize	4,097	*	-	*	*	-	-	-
Sorghum	927	-	-	-	-	-	-	-
Finger millet	*	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	*	-	-	-	-	-	-	-
<b>Pulses</b>	28	*	-	*	*	-	-	-
Horse / Faba beans	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-
Haricot beans	28	*	-	*	*	-	-	-
Chick peas	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	348	-	-	-	-	-	-	-
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>	100	*	-	*	*	-	-	-
Beetroot	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	*	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-
Taro 'Godere'	*	*	-	*	*	-	-	-
Sweet potatoes	85	*	-	*	*	-	-	-
<b>Other Temporary</b>	387	*	-	*	*	-	-	-
<b>Permanent crops</b>	122	*	-	*	*	-	-	-
Avocado	-	-	-	-	-	-	-	-
Bananas	14	-	-	-	-	-	-	-
Guava	*	-	-	-	-	-	-	-
Lemons	1	-	-	-	-	-	-	-
Mangoes	*	-	-	-	-	-	-	-
Oranges	*	*	-	*	*	-	-	-
Papayas	18	*	-	*	*	-	-	-
Pineapples	-	-	-	-	-	-	-	-
Chat	-	-	-	-	-	-	-	-
Coffee	*	*	-	*	*	-	-	-
Hops / 'Geshe'	*	-	-	-	-	-	-	-
Enset	*	-	-	-	-	-	-	-
Sugar cane	*	-	-	-	-	-	-	-
Other permanent	*	-	-	-	-	-	-	-

(Table 1.8.1 cont'd.)

**Agnuwak**

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
<b>All</b>	-	-	-	-	-	-	12,349	5,777	1,848
<b>Cereals</b>	-	-	-	-	-	-	11,088	4,683	1,588
Teff	-	-	-	-	-	-	*	*	*
Barley	-	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	*	*	*
Maize	-	-	-	-	-	-	9,034	3,622	1,215
Sorghum	-	-	-	-	-	-	3,924	880	*
Finger millet	-	-	-	-	-	-	*	*	*
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	*	*	*
<b>Pulses</b>	-	-	-	-	-	-	3,065	28	*
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	-	3,065	28	*
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	-	-	-	2,389	348	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	*	*	-
Groundnuts	-	-	-	-	-	-	1,932	*	*
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	*	*	*
Rapeseed	-	-	-	-	-	-	*	*	*
<b>Vegetables</b>	-	-	-	-	-	-	1,535	*	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	*	*	-
Tomatoes	-	-	-	-	-	-	568	*	-
Green peppers	-	-	-	-	-	-	*	*	-
Red peppers	-	-	-	-	-	-	*	*	-
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	-	-	-	-	-	-	2,388	98	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	*	*	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	1,084	*	-
Sweet potatoes	-	-	-	-	-	-	1,667	83	-
<b>Other Temporary</b>	-	-	-	-	-	-	4,996	378	-
<b>Permanent crops</b>	-	-	-	-	-	-	4,717	122	-
Avocado	-	-	-	-	-	-	-	-	-
Bananas	-	-	-	-	-	-	*	14	-
Guava	-	-	-	-	-	-	*	*	-
Lemons	-	-	-	-	-	-	266	1	-
Mangoes	-	-	-	-	-	-	2,129	*	-
Oranges	-	-	-	-	-	-	*	*	-
Papayas	-	-	-	-	-	-	1,981	18	-
Pineapples	-	-	-	-	-	-	-	-	-
Chat	-	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	*	*	-
Hops / 'Geshe'	-	-	-	-	-	-	*	*	-
Enset	-	-	-	-	-	-	*	*	-
Sugar cane	-	-	-	-	-	-	518	*	-
Other permanent	-	-	-	-	-	-	*	*	-

(Table 1.8.1 Cont'd.)

**Agnuwak**

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
<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	-	-	-	-	-	*	*	-	-

Table1.8.2 Number of Holders, Inputs Applied Area and Quantity of Inputs used

**Nuware**

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
<b>All</b>	858	*	-	*	*	-	-	-
<b>Cereals</b>	856	*	-	*	*	-	-	-
Teff	-	-	-	-	-	-	-	-
Barley	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-
Maize	856	*	-	*	*	-	-	-
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 1.8.2 cont'd.)

**Nuware**

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
<b>All</b>	-	-	-	-	-	-	6,334	857	290
<b>Cereals</b>	-	-	-	-	-	-	6,327	855	289
Teff	-	-	-	-	-	-	-	-	-
Barley	-	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-	-
Maize	-	-	-	-	-	-	6,327	855	289
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 1.8.2 Cont'd.)

**Nuware**

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
<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	-	-	-	-	-	-	-	-	-

Table1.8.3 Number of Holders, Inputs Applied Area and Quantity of Inputs used

**Mezhenger**

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
<b>All</b>	6,636	*	-	*	*	-	-	-
<b>Cereals</b>	2,778	*	-	*	*	-	-	-
Teff	*	-	-	-	-	-	-	-
Barley	*	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-
Maize	618	*	-	*	*	-	-	-
Sorghum	2,146	*	-	*	*	-	-	-
Finger millet	*	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
<b>Pulses</b>	52	*	-	*	*	-	-	-
Horse / Faba beans	*	-	-	-	-	-	-	-
Field Peas	*	-	-	-	-	-	-	-
Haricot beans	24	*	-	*	*	-	-	-
Chick peas	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	*	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Gibto	*	-	-	-	-	-	-	-
<b>Oilseeds</b>	*	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-
Groundnuts	*	-	-	-	-	-	-	-
Safflower	*	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Rapeseed	*	-	-	-	-	-	-	-
<b>Vegetables</b>	69	*	-	*	*	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	2	-	-	-	-	-	-	-
Ethiopian cabbage	29	*	-	*	*	-	-	-
Tomatoes	*	-	-	-	-	-	-	-
Green peppers	29	*	-	*	*	-	-	-
Red peppers	9	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
<b>Root crops</b>	129	*	-	*	*	-	-	-
Beetroot	*	-	-	-	-	-	-	-
Carrot	*	-	-	-	-	-	-	-
Onion	4	*	-	*	*	-	-	-
Potatoes	*	-	-	-	-	-	-	-
Garlic	*	*	-	*	*	-	-	-
Taro 'Godere'	103	*	-	*	*	-	-	-
Sweet potatoes	*	-	-	-	-	-	-	-
<b>Other Temporary</b>	237	*	-	*	*	-	-	-
<b>Permanent crops</b>	3,369	*	-	*	*	-	-	-
Avocado	35	-	-	-	-	-	-	-
Bananas	116	-	-	-	-	-	-	-
Guava	*	-	-	-	-	-	-	-
Lemons	*	-	-	-	-	-	-	-
Mangoes	68	-	-	-	-	-	-	-
Oranges	19	-	-	-	-	-	-	-
Papayas	20	*	-	*	*	-	-	-
Pineapples	9	*	-	*	*	-	-	-
Chat	59	-	-	-	-	-	-	-
Coffee	2,425	*	-	*	*	-	-	-
Hops / 'Geshe'	25	*	-	*	*	-	-	-
Enset	496	*	-	*	*	-	-	-
Sugar cane	83	*	-	*	*	-	-	-
Other permanent	13	*	-	*	*	-	-	-

(Table 1.8.3 cont'd.)

**Mezhenger**

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
<b>All</b>	-	-	-	-	-	-	14,891	6,636	1,082
<b>Cereals</b>	-	-	-	-	-	-	11,670	2,778	1,061
Teff	-	-	-	-	-	-	*	*	*
Barley	-	-	-	-	-	-	*	*	*
Wheat	-	-	-	-	-	-	-	-	-
Maize	-	-	-	-	-	-	7,259	618	260
Sorghum	-	-	-	-	-	-	9,106	2,146	785
Finger millet	-	-	-	-	-	-	*	*	*
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	*	-	*
<b>Pulses</b>	-	-	-	-	-	-	3,107	52	*
Horse / Faba beans	-	-	-	-	-	-	*	*	*
Field Peas	-	-	-	-	-	-	*	*	*
Haricot beans	-	-	-	-	-	-	2,916	24	*
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	*	*	*
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	*	*	-
<b>Oilseeds</b>	-	-	-	-	-	-	157	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	*	*	-
Safflower	-	-	-	-	-	-	*	*	*
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	*	*	*
<b>Vegetables</b>	-	-	-	-	-	-	7,371	69	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	263	2	-
Ethiopian cabbage	-	-	-	-	-	-	5,825	29	-
Tomatoes	-	-	-	-	-	-	233	*	-
Green peppers	-	-	-	-	-	-	2,508	29	-
Red peppers	-	-	-	-	-	-	884	9	-
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	-	-	-	-	-	-	7,807	129	-
Beetroot	-	-	-	-	-	-	195	*	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	-	-	-	-	-	-	529	4	-
Potatoes	-	-	-	-	-	-	*	*	-
Garlic	-	-	-	-	-	-	362	*	-
Taro 'Godere'	-	-	-	-	-	-	7,105	103	-
Sweet potatoes	-	-	-	-	-	-	1,082	*	-
<b>Other Temporary</b>	-	-	-	-	-	-	8,070	237	-
<b>Permanent crops</b>	-	-	-	-	-	-	14,230	3,369	-
Avocado	-	-	-	-	-	-	4,918	35	-
Bananas	-	-	-	-	-	-	6,428	116	-
Guava	-	-	-	-	-	-	270	*	-
Lemons	-	-	-	-	-	-	382	*	-
Mangoes	-	-	-	-	-	-	7,107	68	-
Oranges	-	-	-	-	-	-	3,179	19	-
Papayas	-	-	-	-	-	-	5,830	20	-
Pineapples	-	-	-	-	-	-	1,531	9	-
Chat	-	-	-	-	-	-	2,929	59	-
Coffee	-	-	-	-	-	-	10,145	2,425	-
Hops / 'Geshe'	-	-	-	-	-	-	2,604	25	-
Enset	-	-	-	-	-	-	8,908	496	-
Sugar cane	-	-	-	-	-	-	5,924	83	-
Other permanent	-	-	-	-	-	-	3,076	13	-

(Table 1.8.3 Cont'd.)

**Mezhenger**

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
<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	-	-	-	-	-	-	-	-	-

Table1.8.4 Number of Holders, Inputs Applied Area and Quantity of Inputs used

**Itang Special**

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
<b>All</b>	1,381	-	-	-	-	-	-	-
<b>Cereals</b>	1,259	-	-	-	-	-	-	-
Teff	-	-	-	-	-	-	-	-
Barley	*	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-
Maize	1,253	-	-	-	-	-	-	-
Sorghum	5	-	-	-	-	-	-	-
Finger millet	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
<b>Pulses</b>	3	-	-	-	-	-	-	-
Horse / Faba beans	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-
Haricot beans	3	-	-	-	-	-	-	-
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>	104	-	-	-	-	-	-	-
<b>Permanent crops</b>	13	-	-	-	-	-	-	-
Avocado	-	-	-	-	-	-	-	-
Bananas	1	-	-	-	-	-	-	-
Guava	-	-	-	-	-	-	-	-
Lemons	-	-	-	-	-	-	-	-
Mangoes	12	-	-	-	-	-	-	-
Oranges	-	-	-	-	-	-	-	-
Papayas	*	-	-	-	-	-	-	-
Pineapples	-	-	-	-	-	-	-	-
Chat	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-
Hops / 'Gesho'	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	-	-	-
Other permanent	-	-	-	-	-	-	-	-

(Table 1.8.4 cont'd.)

**Itang Special**

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
<b>All</b>	-	-	-	-	-	-	4,893	1,381	544
<b>Cereals</b>	-	-	-	-	-	-	4,021	1,259	542
Teff	-	-	-	-	-	-	-	-	-
Barley	-	-	-	-	-	-	*	*	*
Wheat	-	-	-	-	-	-	-	-	-
Maize	-	-	-	-	-	-	3,983	1,253	539
Sorghum	-	-	-	-	-	-	114	5	3
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	-	-	-	-	-	-	250	3	1
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	-	250	3	1
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	-	-	-	195	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	150	*	*
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	*	*	*
Rapeseed	-	-	-	-	-	-	-	-	-
<b>Vegetables</b>	-	-	-	-	-	-	*	*	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	-	-	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	-	-	-	-	-	-	52	*	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	*	*	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	*	*	-
<b>Other Temporary</b>	-	-	-	-	-	-	2,107	104	-
<b>Permanent crops</b>	-	-	-	-	-	-	601	13	-
Avocado	-	-	-	-	-	-	-	-	-
Bananas	-	-	-	-	-	-	181	1	-
Guava	-	-	-	-	-	-	-	-	-
Lemons	-	-	-	-	-	-	-	-	-
Mangoes	-	-	-	-	-	-	513	12	-
Oranges	-	-	-	-	-	-	-	-	-
Papayas	-	-	-	-	-	-	44	*	-
Pineapples	-	-	-	-	-	-	-	-	-
Chat	-	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-	-
Hops / 'Geshe'	-	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	-	-	-	-
Other permanent	-	-	-	-	-	-	-	-	-

(Table 1.8.4 Cont'd.)

**Itang Special**

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
<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				-	-	-	-	-	-

Table1.9 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>	13,569	8,156	14,574	10,688	3,295	1,239	394	819
<b>Cereals</b>	7,061	4,508	8,282	8,135	1,735	1,087	195	411
Teff	*	*	-	*	*	-	-	-
Barley	15	11	10	*	*	*	*	*
Wheat	37	*	*	*	*	*	*	*
Maize	1,273	1,068	3,389	4,343	294	544	55	158
Sorghum	5,713	3,394	4,715	6,928	1,433	800	133	238
Finger millet	-	-	-	-	-	-	-	-
Oats / 'Aja'	*	-	-	-	-	-	-	-
Rice	*	*	*	-	-	-	-	-
<b>Pulses</b>	22	*	*	227	4	*	*	*
Horse / Faba beans	-	-	-	-	-	-	-	-
Field Peas	*	*	-	*	*	-	-	-
Haricot beans	12	6	*	*	*	*	*	*
Chick peas	*	-	-	-	-	-	-	-
Lentils	*	*	-	*	*	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	*	*	-	*	*	-	-	-
Gibto	*	*	*	-	-	-	-	-
<b>Oilseeds</b>	2,473	904	498	3,823	670	433	48	*
Neug	-	-	-	-	-	-	-	-
Linseed	*	*	*	*	*	-	-	-
Groundnuts	2,453	895	493	3,739	662	433	48	*
Safflower	-	-	-	-	-	-	-	-
Sesame	*	*	-	*	*	-	-	-
Rapeseed	*	-	-	-	-	-	-	-
<b>Vegetables</b>	*	*	*	*	*	-	-	-
Lettuce	*	-	-	-	-	-	-	-
Head cabbage	*	*	*	-	-	-	-	-
Ethiopian cabbage	*	*	*	-	-	-	-	-
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	*	*	-	*	*	-	-	-
Red peppers	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
<b>Root crops</b>	169	117	224	1,737	60	*	*	*
Beetroot	-	-	-	-	-	-	-	-
Carrot	*	*	*	-	-	*	*	*
Onion	*	*	*	*	*	*	*	*
Potatoes	*	*	*	*	*	*	*	*
Garlic	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	110	70	169	1,529	42	*	*	*
<b>Other Temporary</b>	23	21	*	1,040	9	*	*	*
<b>Permanent crops</b>	3,816	2,587		8,385	817			
Avocado	*	*		*	*			
Bananas	19	3		863	2			
Guava	*	*		654	*			
Lemons	26	19		812	17			
Mangoes	425	*		3,061	*			
Oranges	*	*		*	*			
Papayas	21	12		1,572	8			
Pineapples	*	*		*	*			
Chat	3,081	2,200		5,265	511			
Coffee	73	60		*	*			
Hops / 'Gescho'	*	*		*	*			
Enset	*	*		*	*			
Sugar cane	73	*		*	*			
Other permanent	25	12		1,000	3			



(Table 1.9 cont'd.)

**Harari Region**

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
<b>All</b>	4,746	2,294	4,485	3,587	2,173	9,270	18,382	13,381	5,484
<b>Cereals</b>	4,621	1,309	2,430	3,512	1,268	5,441	17,841	6,985	3,569
Teff	-	-	-	-	-	-	*	*	-
Barley	171	*	*	-	-	-	350	15	9
Wheat	278	*	*	289	*	*	815	*	*
Maize	3,134	330	869	3,047	389	2,363	11,402	1,222	985
Sorghum	3,943	961	1,507	3,213	866	2,970	17,107	5,688	2,470
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	*	*	*
Rice	*	*	*	-	-	-	*	*	*
<b>Pulses</b>	*	*	*	*	*	*	699	22	7
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	*	*	-
Haricot beans	*	*	*	-	-	-	503	12	5
Chick peas	-	-	-	-	-	-	*	*	-
Lentils	-	-	-	-	-	-	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	*	*	*
Gibto	-	-	-	*	*	*	*	*	-
<b>Oilseeds</b>	1,146	147	237	483	39	171	9,683	2,471	1,909
Neug	-	-	-	-	-	-	-	-	-
Linseed	*	*	*	-	-	-	*	*	*
Groundnuts	1,146	146	232	483	39	171	9,599	2,451	1,903
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	355	*	*
Rapeseed	-	-	-	-	-	-	*	*	*
<b>Vegetables</b>	*	*	*	*	*	*	262	*	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	-	-	-	*	*	*	*	*	-
Ethiopian cabbage	*	*	*	-	-	-	*	*	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	*	*	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	540	17	49	463	*	*	4,204	169	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	-	-	-	-	-	-	*	*	-
Potatoes	*	*	*	*	*	*	*	*	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	505	16	47	371	*	*	3,520	110	-
<b>Other Temporary</b>	*	*	*	254	*	*	1,459	18	-
<b>Permanent crops</b>							16,904	3,713	
Avocado							*	*	
Bananas							2,019	19	
Guava							2,882	*	
Lemons							1,428	26	
Mangoes							7,414	425	
Oranges							*	*	
Papayas							2,569	21	
Pineapples							*	*	
Chat							14,437	2,978	
Coffee							1,711	73	
Hops / 'Geshe'							231	*	
Enset							*	*	
Sugar cane							1,549	73	
Other permanent							3,643	25	

(Table 1.9 Cont'd.)

**Harari Region**

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
<b>All</b>	846	66	15	1,819	539	2,638	869	958	*
<b>Cereals</b>	646	66	15	863	219	1,781	316	904	*
Teff	-	-	-	-	-	-	-	-	-
Barley	-	-	-	-	-	*	*	*	*
Wheat	*	*	*	-	-	*	*	-	-
Maize	528	46	11	552	*	1,235	96	*	*
Sorghum	*	*	*	821	139	1,048	219	*	*
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>	-	-	-	*	*	*	*	152	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	*	*	*	*	152	*
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
<b>Vegetables</b>	-	-	-	*	*	*	*	-	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	*	*	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	-	-	-	-	-	*	*	-	-
Green peppers	-	-	-	-	-	*	*	-	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	-	-	-	-	-	818	29	*	*
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	*	*	*	*
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	818	29	*	*
<b>Other Temporary</b>	-	-	-	-	-	*	*	*	*
<b>Permanent crops</b>	-	-	-	1,624	314	2,363	412	*	*
Avocado	-	-	-	-	-	-	-	-	-
Bananas	-	-	-	*	*	385	*	*	*
Guava	-	-	-	-	-	*	*	-	-
Lemons	-	-	-	-	-	*	*	-	-
Mangoes	-	-	-	-	-	701	*	-	-
Oranges	-	-	-	-	-	-	-	-	-
Papayas	-	-	-	*	*	325	*	-	-
Pineapples	-	-	-	-	-	-	-	-	-
Chat	-	-	-	1,513	311	1,399	159	*	*
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>	9,504	2,892	415	7,486	2,605	307	*	206
<b>Cereals</b>	7,455	2,025	163	7,172	1,864	307	*	*
Teff	-	-	-	-	-	-	-	-
Barley	-	-	-	-	-	-	-	-
Wheat	*	*	*	*	*	*	*	*
Maize	284	116	*	1,954	111	*	*	*
Sorghum	7,136	1,886	150	6,833	1,733	273	*	*
Finger millet	*	*	-	*	*	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
<b>Pulses</b>	345	145	69	2,136	127	*	*	*
Horse / Faba beans	-	-	-	-	-	-	-	-
Field Peas	*	*	-	*	*	-	-	-
Haricot beans	342	144	69	2,136	126	*	*	*
Chick peas	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	*	*	-	*	*	-	-	-
Gibto	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	157	40	*	573	26	*	*	*
Neug	*	*	-	*	*	-	-	-
Linseed	-	-	-	-	-	-	-	-
Groundnuts	*	*	*	*	*	*	*	*
Safflower	-	-	-	-	-	-	-	-
Sesame	30	*	-	*	*	-	-	-
Rapeseed	-	-	-	-	-	-	-	-
<b>Vegetables</b>	13	*	*	382	*	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	*	*	-	-	-
Ethiopian cabbage	*	*	-	*	*	-	-	-
Tomatoes	*	*	*	280	*	-	-	-
Green peppers	*	*	-	*	*	-	-	-
Red peppers	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
<b>Root crops</b>	220	103	*	2,518	89	*	*	*
Beetroot	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	*	*	*	249	*	*	*	*
Potatoes	*	*	*	*	*	*	*	*
Garlic	*	*	-	*	*	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	169	73	*	2,227	66	*	*	*
<b>Other Temporary</b>	*	-	-	-	-	-	-	-
<b>Permanent crops</b>	1,312	573		5,214	495			
Avocado	*	-	-	-	-	-	-	-
Bananas	6	*	*	*	*	-	-	-
Guava	*	*	*	*	*	-	-	-
Lemons	*	*	*	*	*	-	-	-
Mangoes	14	*	*	320	*	-	-	-
Oranges	*	*	*	*	*	-	-	-
Papayas	21	15	*	985	12	-	-	-
Pineapples	-	-	-	-	-	-	-	-
Chat	1,014	408	*	4,175	344	-	-	-
Coffee	94	52	*	1,243	44	-	-	-
Hops / 'Geshe'	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	-	-	-
Other permanent	*	*		560	*			

(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>	482	*	*	351	*	*	15,597	9,354	1,807
<b>Cereals</b>	*	*	*	246	*	*	15,459	7,339	1,677
Teff	-	-	-	-	-	-	-	-	-
Barley	-	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	*	*	*
Maize	*	*	*	*	*	*	4,028	277	87
Sorghum	*	*	*	246	*	*	15,190	7,026	1,568
Finger millet	-	-	-	-	-	-	*	*	*
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	*	*	*	*	*	*	4,951	334	77
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	*	*	*
Haricot beans	*	*	*	*	*	*	4,876	330	76
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	*	*	*
Gibto	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	*	*	*	-	-	-	1,854	155	*
Neug	-	-	-	-	-	-	*	*	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	*	*	*	-	-	-	*	*	*
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	755	30	*
Rapeseed	-	-	-	-	-	-	-	-	-
<b>Vegetables</b>	*	*	*	-	-	-	894	11	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	*	*	-
Ethiopian cabbage	-	-	-	-	-	-	*	*	-
Tomatoes	*	*	*	-	-	-	608	*	-
Green peppers	-	-	-	-	-	-	248	2	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	*	*	*	*	*	*	5,253	220	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	*	*	*	*	*	*	524	*	-
Potatoes	*	*	*	*	*	*	389	*	-
Garlic	-	-	-	-	-	-	*	*	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	*	-	-	-	4,863	169	-
<b>Other Temporary</b>	-	-	-	-	-	-	*	*	-
<b>Permanent crops</b>							10,859	1,295	
Avocado							*	*	
Bananas							376	6	
Guava							1,211	*	
Lemons							245	*	
Mangoes							1,089	14	
Oranges							*	*	
Papayas							1,597	19	
Pineapples							-	-	
Chat							9,819	1,009	
Coffee							2,272	87	
Hops / 'Geshe'							-	-	
Enset							-	-	
Sugar cane							-	-	
Other permanent							1,527	*	

(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>	970	*	*	445	36	4,433	1,095	371	*
<b>Cereals</b>	429	*	*	244	*	3,452	618	371	*
Teff	-	-	-	-	-	-	-	-	-
Barley	-	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-	-
Maize	*	*	*	-	-	1,176	43	*	*
Sorghum	360	*	*	244	*	3,088	561	304	*
Finger millet	-	-	-	-	-	*	*	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
<b>Pulses</b>	*	*	-	*	*	194	*	*	*
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>	*	*	-	-	-	400	*	-	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	*	*	-	-
Tomatoes	*	*	-	-	-	334	*	-	-
Green peppers	-	-	-	-	-	*	*	-	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
<b>Root crops</b>	-	-	-	*	*	1,260	26	-	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	*	*	*	*	-	-
Potatoes	-	-	-	-	-	*	*	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	1,193	24	-	-
<b>Other Temporary</b>	-	-	-	-	-	-	-	-	-
<b>Permanent crops</b>	-	-	-	233	*	4,052	431	*	*
Avocado	-	-	-	-	-	-	-	-	-
Bananas	-	-	-	-	-	339	6	-	-
Guava	-	-	-	*	*	334	*	-	-
Lemons	-	-	-	*	*	*	*	-	-
Mangoes	-	-	-	-	-	*	*	-	-
Oranges	-	-	-	-	-	*	*	-	-
Papayas	-	-	-	-	-	1,250	17	-	-
Pineapples	-	-	-	-	-	-	-	-	-
Chat	-	-	-	*	*	2,682	194	*	*
Coffee	*	*	-	-	-	1,922	74	-	-
Hops / 'Geshe'	-	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	-	-	-	-
Other permanent	-	-	-	*	*	*	*	-	-

Table 2.Number of Holders Applying Inputs by Educational Status

<b>Ethiopia</b>					
Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	8,509,252	3,039,116	745,134	1,793,724	751,795
Literate (informal)	1,164,685	539,191	169,848	266,947	156,369
Grades 1 – 3	1,356,378	547,921	148,782	356,319	119,755
Grades 4 – 6	1,398,851	641,446	197,755	377,820	125,201
Grades 7 – 8	506,996	272,993	78,403	150,977	37,963
Grades 9 – 11	234,373	126,718	44,959	67,976	15,976
Grade 12 complete	49,099	28,899	11,349	18,923	1,841
Above grade 12	35,206	19,391	6,089	10,074	2,542
Total	13,254,840	5,215,675	1,402,319	3,042,760	1,211,442

Fig.3 Number of Holders Applying Inputs by Educational status

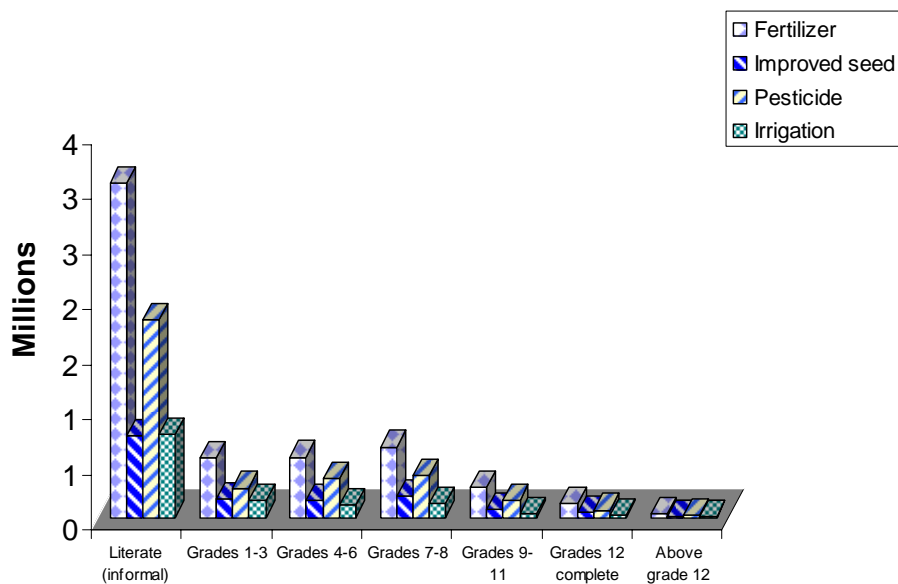


Table 2.1 Number of Holders Applying Inputs by Educational Status

<b>Tigray Region</b>					
Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	564,210	222,131	36,347	55,506	112,123
Literate (informal)	128,530	60,401	11,282	15,925	31,973
Grades 1 – 3	103,833	50,242	9,985	15,182	26,393
Grades 4 – 6	63,830	37,014	6,305	8,979	15,882
Grades 7 – 8	14,514	9,518	2,254	1,923	2,758
Grades 9 – 11	6,850	2,934	*	*	1,384
Grade 12 complete	*	-	-	-	-
Above grade 12	*	*	-	-	*
Total	882,706	382,617	67,077	97,824	190,889

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	100,871	49,261	4,026	12,458	8,201
Literate (informal)	30,528	19,122	1,309	4,290	3,674
Grades 1 – 3	21,151	12,127	2,348	4,140	1,327
Grades 4 – 6	7,975	4,369	*	*	*
Grades 7 – 8	1,802	*	*	-	-
Grades 9 – 11	1,018	1,018	-	-	*
Grade 12 complete	-	-	-	-	-
Above grade 12	*	-	-	-	-
Total	163,599	86,661	8,192	21,920	13,981

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	155,806	87,473	5,087	24,368	30,281
Literate (informal)	36,314	21,432	*	6,498	7,515
Grades 1 – 3	45,216	28,257	2,880	6,372	12,704
Grades 4 – 6	25,114	18,986	1,426	5,991	5,230
Grades 7 – 8	7,013	6,007	*	*	1,677
Grades 9 – 11	*	*	-	-	*
Grade 12 complete	-	-	-	-	-
Above grade 12	-	-	-	-	-
Total	271,664	163,350	11,415	44,255	57,743

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	103,608	36,610	12,203	6,029	19,598
Literate (informal)	17,715	8,806	3,314	1,287	5,924
Grades 1 – 3	12,028	4,678	2,620	1,014	4,348
Grades 4 – 6	10,466	6,329	2,557	-	4,252
Grades 7 – 8	2,333	1,338	-	-	*
Grades 9 – 11	*	*	*	-	-
Grade 12 complete	-	-	-	-	-
Above grade 12	-	-	-	-	-
Total	146,900	58,015	20,947	8,330	34,896

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	160,246	44,709	13,513	*	47,088
Literate (informal)	33,854	10,306	5,345	1,935	13,672
Grades 1 – 3	17,211	4,455	1,847	1,616	6,991
Grades 4 – 6	13,153	7,041	1,922	*	5,139
Grades 7 – 8	2,338	*	*	*	*
Grades 9 – 11	*	*	*	*	*
Grade 12 complete	*	-	-	-	-
Above grade 12	*	*	-	-	*
Total	229,497	68,617	24,271	13,184	74,224

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	43,679	4,079	*	4,728	6,955
Literate (informal)	10,119	*	*	1,916	1,189
Grades 1 – 3	8,226	*	*	2,040	*
Grades 4 – 6	7,123	*	*	*	*
Grades 7 – 8	1,029	-	-	*	-
Grades 9 – 11	*	*	-	-	*
Grade 12 complete	-	-	-	-	-
Above grade 12	-	-	-	-	-
Total	71,045	5,974	*	10,135	10,046

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	16,647	*	2,988	915	13,316
Literate (informal)	832	-	*	*	*
Grades 1 – 3	712	-	*	-	712
Grades 4 – 6	898	-	*	*	*
Grades 7 – 8	*	-	-	*	*
Grades 9 – 11	*	-	-	-	*
Grade 12 complete	-	-	-	-	-
Above grade 12	-	-	-	-	-
Total	19,367	*	3,901	1,385	15,473

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	10,736	-	2,425	*	10,594
Literate (informal)	*	-	*	-	*
Grades 1 – 3	*	-	-	-	*
Grades 4 – 6	*	-	*	-	*
Grades 7 – 8	*	-	-	-	*
Grades 9 – 11	-	-	-	-	-
Grade 12 complete	-	-	-	-	-
Above grade 12	-	-	-	-	-
Total	12,217	-	2,962	*	12,075



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	5,912	*	*	844	2,722
Literate (informal)	*	-	-	*	-
Grades 1 – 3	*	-	*	-	*
Grades 4 – 6	*	-	*	*	*
Grades 7 – 8	*	-	-	*	*
Grades 9 – 11	*	-	-	-	*
Grade 12 complete	-	-	-	-	-
Above grade 12	-	-	-	-	-
Total	7,150	*	*	1,314	3,398

Table 2.3 Number of Holders Applying Inputs by Educational Status

**Amhara Region**

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	2,511,739	972,494	295,740	328,232	270,120
Literate (informal)	525,915	263,715	102,209	81,369	78,490
Grades 1 – 3	193,559	89,508	31,623	30,104	27,122
Grades 4 – 6	185,124	89,752	40,226	26,144	31,496
Grades 7 – 8	50,378	30,616	10,714	5,576	11,060
Grades 9 – 11	23,213	12,382	2,563	2,052	3,314
Grade 12 complete	3,382	*	*	-	*
Above grade 12	2,308	*	*	-	*
Total	3,495,617	1,460,477	484,558	473,477	422,375

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	375,173	109,519	21,806	70,506	16,259
Literate (informal)	73,143	27,096	8,412	15,370	3,425
Grades 1 – 3	22,062	6,648	*	*	*
Grades 4 – 6	15,754	6,792	2,276	3,304	*
Grades 7 – 8	3,267	*	-	-	-
Grades 9 – 11	*	-	-	*	-
Grade 12 complete	-	-	-	-	-
Above grade 12	-	-	-	-	-
Total	491,095	151,233	34,814	93,113	21,856

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	314,027	120,632	2,878	63,502	24,814
Literate (informal)	71,526	22,566	1,904	15,448	10,586
Grades 1 – 3	17,940	8,232	*	4,346	2,413
Grades 4 – 6	11,916	4,357	*	3,449	*
Grades 7 – 8	3,853	1,917	-	-	-
Grades 9 – 11	-	-	-	-	-
Grade 12 complete	*	-	-	-	*
Above grade 12	-	-	-	-	-
Total	419,744	157,704	6,208	86,745	39,333

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	251,534	31,407	12,422	15,155	20,719
Literate (informal)	51,139	10,473	*	*	7,223
Grades 1 – 3	21,873	3,201	*	*	3,084
Grades 4 – 6	23,855	5,870	*	*	4,023
Grades 7 – 8	5,503	*	-	*	*
Grades 9 – 11	2,318	-	-	*	-
Grade 12 complete	*	-	-	-	-
Above grade 12	*	-	-	-	-
Total	357,752	51,970	15,547	22,328	35,497

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	397,674	86,752	5,015	20,971	33,025
Literate (informal)	63,320	17,752	*	*	4,992
Grades 1 – 3	41,701	11,050	-	2,627	6,190
Grades 4 – 6	40,191	12,281	4,368	*	*
Grades 7 – 8	7,999	3,667	*	*	*
Grades 9 – 11	6,730	*	-	-	*
Grade 12 complete	*	-	-	-	-
Above grade 12	-	-	-	-	-
Total	558,225	135,188	14,257	31,020	53,578

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	275,197	103,342	*	49,159	52,120
Literate (informal)	63,160	36,158	2,956	15,123	14,457
Grades 1 – 3	31,649	18,007	*	7,761	5,744
Grades 4 – 6	33,935	15,159	*	5,717	5,463
Grades 7 – 8	8,978	5,172	*	*	*
Grades 9 – 11	3,571	*	*	-	*
Grade 12 complete	-	-	-	-	-
Above grade 12	*	-	-	-	-
Total	416,967	178,401	10,862	78,734	80,101

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	299,813	198,015	45,766	41,257	37,626
Literate (informal)	74,680	60,971	21,981	13,957	9,594
Grades 1 – 3	20,848	14,470	3,554	*	3,992
Grades 4 – 6	22,357	20,492	9,504	4,084	3,573
Grades 7 – 8	8,632	7,491	*	*	*
Grades 9 – 11	3,336	3,336	-	*	-
Grade 12 complete	*	*	-	-	-
Above grade 12	-	-	-	-	-
Total	430,194	305,303	82,682	63,376	56,383

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	298,460	236,460	144,681	33,774	46,982
Literate (informal)	86,486	70,405	52,395	12,317	21,898
Grades 1 – 3	20,505	18,586	15,374	*	3,264
Grades 4 – 6	23,752	20,534	19,177	2,311	6,557
Grades 7 – 8	8,312	6,958	6,029	*	*
Grades 9 – 11	2,770	2,770	*	-	*
Grade 12 complete	*	*	*	-	-
Above grade 12	*	*	*	-	-
Total	441,190	356,616	239,502	53,458	82,924

Table 2.3.8 Number of Holders Applying Inputs by Educational Status

**Waghamera**

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	75,332	-	*	*	6,185
Literate (informal)	10,866	*	*	*	*
Grades 1 – 3	4,107	-	*	-	-
Grades 4 – 6	3,527	*	*	-	*
Grades 7 – 8	*	-	-	-	-
Grades 9 – 11	-	-	-	-	-
Grade 12 complete	-	-	-	-	-
Above grade 12	-	-	-	-	-
Total	94,451	*	*	1,026	7,213

Table 2.3.9 Number of Holders Applying Inputs by Educational Status

**Awii**

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	131,296	85,445	51,044	20,282	23,368
Literate (informal)	24,186	18,085	8,417	3,218	5,259
Grades 1 – 3	10,571	9,108	6,978	2,622	1,159
Grades 4 – 6	8,434	4,067	2,604	1,737	2,347
Grades 7 – 8	3,214	3,214	1,735	*	*
Grades 9 – 11	2,607	2,028	*	*	*
Grade 12 complete	*	*	*	-	-
Above grade 12	*	*	*	-	*
Total	181,468	122,526	72,516	29,017	35,059

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	87,589	*	*	12,474	8,688
Literate (informal)	6,716	-	*	*	*
Grades 1 – 3	2,066	*	*	*	*
Grades 4 – 6	1,334	-	-	*	*
Grades 7 – 8	-	-	-	-	-
Grades 9 – 11	*	-	-	-	-
Grade 12 complete	-	-	-	-	-
Above grade 12	-	-	-	-	-
Total	97,891	*	6,745	14,051	9,979

Table 2.3.11 Number of Holders Applying Inputs by Educational Status

**Argoba Special**

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	5,644	-	*	544	333
Literate (informal)	692	-	-	*	*
Grades 1 – 3	236	-	-	*	*
Grades 4 – 6	69	-	-	-	*
Grades 7 – 8	-	-	-	-	-
Grades 9 – 11	-	-	-	-	-
Grade 12 complete	-	-	-	-	-
Above grade 12	-	-	-	-	-
Total	6,640	-	*	609	450

Table 2.4 Number of Holders Applying Inputs by Educational Status

**Oromia Region**

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	3,309,959	1,279,177	277,838	1,071,153	290,210
Literate (informal)	393,844	170,771	41,100	135,803	38,891
Grades 1 – 3	644,962	280,096	69,576	235,493	50,870
Grades 4 – 6	646,673	320,198	74,884	250,926	63,753
Grades 7 – 8	242,133	142,280	37,960	105,424	17,977
Grades 9 – 11	113,131	69,260	22,884	49,666	8,320
Grade 12 complete	22,729	16,730	5,159	12,526	*
Above grade 12	19,503	13,420	2,235	9,150	*
Total	5,392,934	2,291,931	531,635	1,870,141	472,596

Table 2.4.1 Number of Holders Applying Inputs by Educational Status

**West Welega**

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	118,592	41,228	11,481	17,505	*
Literate (informal)	9,284	4,174	*	*	*
Grades 1 – 3	45,478	15,823	5,294	6,373	*
Grades 4 – 6	46,601	18,840	7,265	4,861	2,634
Grades 7 – 8	22,661	10,674	*	2,908	*
Grades 9 – 11	7,301	5,330	*	*	*
Grade 12 complete	3,650	*	-	*	*
Above grade 12	1,616	*	-	-	-
Total	255,183	97,694	28,682	34,568	*

Table 2.4.2 Number of Holders Applying Inputs by Educational Status

**East Welega**

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	127,485	57,842	19,886	20,456	4,822
Literate (informal)	12,317	5,392	3,886	3,866	*
Grades 1 – 3	27,094	15,719	7,316	7,953	*
Grades 4 – 6	24,971	14,290	5,099	4,751	*
Grades 7 – 8	13,154	7,326	3,459	*	*
Grades 9 – 11	6,731	5,250	*	*	*
Grade 12 complete	*	*	-	*	-
Above grade 12	1,374	*	*	-	-
Total	213,671	106,919	41,693	40,796	8,833

Table 2.4.3 Number of Holders Applying Inputs by Educational Status

**Illubabor**

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	168,832	32,991	9,125	35,328	*
Literate (informal)	14,774	4,740	1,460	3,671	*
Grades 1 – 3	40,378	8,421	*	9,148	*
Grades 4 – 6	37,928	9,183	*	9,174	*
Grades 7 – 8	9,880	2,934	-	*	-
Grades 9 – 11	4,121	*	*	*	-
Grade 12 complete	*	*	-	-	-
Above grade 12	*	-	-	-	-
Total	277,005	59,726	16,442	60,635	*

Table 2.4.4 Number of Holders Applying Inputs by Educational Status

**Jimma**

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	397,781	153,570	62,268	225,827	8,580
Literate (informal)	48,336	17,790	11,009	22,874	*
Grades 1 – 3	65,176	15,241	10,275	31,163	*
Grades 4 – 6	55,303	16,778	9,306	27,625	2,446
Grades 7 – 8	12,921	5,033	5,051	3,611	*
Grades 9 – 11	4,505	*	*	*	-
Grade 12 complete	*	*	*	-	-
Above grade 12	-	-	-	-	-
Total	585,922	210,992	99,187	313,088	17,777

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	283,391	185,604	27,899	191,138	26,536
Literate (informal)	25,906	20,103	2,131	22,160	*
Grades 1 – 3	53,663	39,971	8,092	34,718	4,217
Grades 4 – 6	59,608	49,579	8,713	45,170	5,376
Grades 7 – 8	22,737	18,271	2,708	18,908	2,238
Grades 9 – 11	10,363	9,337	*	9,337	*
Grade 12 complete	*	*	-	*	-
Above grade 12	*	*	-	*	*
Total	457,906	324,501	51,621	323,066	44,408

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	229,497	101,159	2,317	52,178	18,198
Literate (informal)	27,113	15,952	*	6,547	*
Grades 1 – 3	18,130	11,584	*	3,916	*
Grades 4 – 6	16,243	10,585	*	7,043	*
Grades 7 – 8	3,100	2,678	*	1,770	-
Grades 9 – 11	*	*	-	*	-
Grade 12 complete	*	*	-	*	-
Above grade 12	-	-	-	-	-
Total	296,304	143,252	5,020	72,324	23,978

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	176,797	109,477	10,239	90,937	5,508
Literate (informal)	20,884	14,934	3,653	8,506	*
Grades 1 – 3	44,246	27,963	2,182	25,059	2,991
Grades 4 – 6	33,949	21,228	*	20,656	*
Grades 7 – 8	6,886	3,397	*	3,048	*
Grades 9 – 11	7,457	4,295	1,418	3,201	*
Grade 12 complete	*	*	*	*	*
Above grade 12	*	*	-	*	-
Total	292,309	182,733	21,209	152,846	15,172

Table 2.4.8 Number of Holders Applying Inputs by Educational Status

**Arsi**

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	255,307	158,003	18,101	129,690	21,234
Literate (informal)	42,822	29,634	3,909	18,451	*
Grades 1 – 3	54,957	35,955	4,337	29,289	4,287
Grades 4 – 6	81,170	56,263	8,113	45,957	*
Grades 7 – 8	40,925	30,562	6,312	25,058	*
Grades 9 – 11	17,367	13,146	4,211	8,551	*
Grade 12 complete	*	*	*	3,685	-
Above grade 12	2,662	2,103	*	*	-
Total	499,422	328,825	47,091	262,258	38,588

Table 2.4.9 Number of Holders Applying Inputs by Educational Status

**West Harerge**

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	248,399	19,402	11,188	15,997	41,870
Literate (informal)	34,702	6,617	*	*	6,738
Grades 1 – 3	29,342	*	*	*	6,391
Grades 4 – 6	27,640	3,861	*	*	5,394
Grades 7 – 8	9,058	*	*	*	2,512
Grades 9 – 11	*	*	-	-	-
Grade 12 complete	-	-	-	-	-
Above grade 12	-	-	-	-	-
Total	350,603	34,439	14,884	25,341	62,906

Table 2.4.10 Number of Holders Applying Inputs by Educational Status

**East Harerge**

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	426,393	96,913	41,642	16,394	126,692
Literate (informal)	65,743	8,519	*	*	14,718
Grades 1 – 3	48,242	12,094	7,215	*	17,099
Grades 4 – 6	59,740	23,201	10,605	*	26,886
Grades 7 – 8	10,636	*	*	*	*
Grades 9 – 11	*	*	*	*	*
Grade 12 complete	-	-	-	-	-
Above grade 12	-	-	-	-	-
Total	613,907	147,039	71,479	28,918	190,638

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	185,596	44,111	*	82,255	10,856
Literate (informal)	36,878	9,184	*	14,674	*
Grades 1 – 3	43,515	10,657	*	22,431	*
Grades 4 – 6	37,133	15,686	*	20,053	*
Grades 7 – 8	13,847	9,502	-	9,527	*
Grades 9 – 11	6,634	4,120	*	5,013	-
Grade 12 complete	1,839	*	*	1,839	-
Above grade 12	*	-	-	*	-
Total	325,871	94,488	3,972	156,221	16,499

Table 2.4.12 Number of Holders Applying Inputs by Educational Status

<b>Borena</b>					
Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	96,721	*	*	*	*
Literate (informal)	2,246	-	-	-	-
Grades 1 – 3	15,811	*	*	*	-
Grades 4 – 6	14,494	*	*	-	*
Grades 7 – 8	3,301	-	*	-	-
Grades 9 – 11	*	-	-	-	-
Grade 12 complete	-	-	-	-	-
Above grade 12	*	*	-	-	-
Total	134,670	*	*	*	*

Table 2.4.13 Number of Holders Applying Inputs by Educational Status

<b>South West Shewa</b>					
Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	128,111	102,863	5,021	80,379	8,994
Literate (informal)	19,090	16,914	1,353	13,317	*
Grades 1 – 3	34,209	28,682	2,195	22,989	2,441
Grades 4 – 6	26,170	24,229	*	19,905	*
Grades 7 – 8	13,798	12,448	*	8,691	*
Grades 9 – 11	7,141	6,087	*	3,735	*
Grade 12 complete	*	*	*	*	*
Above grade 12	*	*	*	*	*
Total	231,141	193,846	12,947	150,590	17,571

Table 2.4.14 Number of Holders Applying Inputs by Educational Status

<b>Guji</b>					
Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	131,846	6,463	4,489	4,215	-
Literate (informal)	6,243	*	*	-	-
Grades 1 – 3	35,426	4,263	2,749	*	-
Grades 4 – 6	35,319	3,184	*	*	*
Grades 7 – 8	7,611	*	*	*	-
Grades 9 – 11	4,523	*	*	*	-
Grade 12 complete	*	*	-	*	-
Above grade 12	*	*	*	*	-
Total	223,376	17,001	12,404	7,691	*

Table 2.4.15 Number of Holders Applying Inputs by Educational Status

**Kelem**

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	78,914	7,239	6,646	11,151	2,865
Literate (informal)	7,710	*	*	1,574	*
Grades 1 – 3	24,549	4,330	3,530	5,022	1,763
Grades 4 – 6	26,644	4,603	3,585	5,619	1,376
Grades 7 – 8	10,638	2,006	1,994	2,157	*
Grades 9 – 11	4,986	*	*	*	*
Grade 12 complete	791	-	*	-	-
Above grade 12	*	*	-	*	-
Total	155,014	20,358	17,355	26,716	7,779

Table 2.4.16 Number of Holders Applying Inputs by Educational Status

**Horoguduru**

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	60,233	45,310	25,257	22,690	2,881
Literate (informal)	6,066	3,904	1,827	2,562	*
Grades 1 – 3	13,346	11,751	6,247	5,551	*
Grades 4 – 6	13,482	11,460	5,239	4,356	865
Grades 7 – 8	7,796	6,642	3,741	3,760	*
Grades 9 – 11	4,282	3,416	2,546	2,266	-
Grade 12 complete	1,881	1,881	1,299	725	*
Above grade 12	*	*	*	*	-
Total	107,375	84,652	46,300	42,197	5,856

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	196,063	116,058	17,451	73,838	*
Literate (informal)	13,730	*	*	9,563	-
Grades 1 – 3	51,402	34,227	4,606	23,624	*
Grades 4 – 6	50,277	35,804	3,739	28,486	*
Grades 7 – 8	33,184	24,827	4,124	19,694	*
Grades 9 – 11	19,872	11,116	*	9,593	-
Grade 12 complete	*	*	-	*	-
Above grade 12	*	*	*	*	-
Total	373,256	242,156	34,233	171,006	2,902

Table 2.5 Number of Holders Applying Inputs by Educational Status

**Somalie Region**

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	98,115	*	*	*	5,421
Literate (informal)	13,174	*	-	-	*
Grades 1 – 3	3,087	-	-	*	*
Grades 4 – 6	1,139	-	-	-	*
Grades 7 – 8	*	-	-	-	*
Grades 9 – 11	-	-	-	-	-
Grade 12 complete	-	-	-	-	-
Above grade 12	*	-	-	-	-
Total	116,341	*	*	*	6,941



Table 2.5.1 Number of Holders Applying Inputs by Educational Status

<b>Shinele</b>					
Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	7,099	*	*	183	2,318
Literate (informal)	*	-	-	-	*
Grades 1 – 3	758	-	-	*	*
Grades 4 – 6	*	-	-	-	*
Grades 7 – 8	*	-	-	-	*
Grades 9 – 11	-	-	-	-	-
Grade 12 complete	-	-	-	-	-
Above grade 12	-	-	-	-	-
Total	8,257	*	*	229	2,945

Table 2.5.2 Number of Holders Applying Inputs by Educational Status

<b>Jijiga</b>					
Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	77,603	*	*	*	917
Literate (informal)	8,518	*	-	-	*
Grades 1 – 3	*	-	-	-	-
Grades 4 – 6	*	-	-	-	-
Grades 7 – 8	*	-	-	-	-
Grades 9 – 11	-	-	-	-	-
Grade 12 complete	-	-	-	-	-
Above grade 12	-	-	-	-	-
Total	87,814	*	*	*	1,101

Table 2.5.3 Number of Holders Applying Inputs by Educational Status

<b>Liben</b>					
Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	13,414	-	-	*	*
Literate (informal)	4,565	-	-	-	*
Grades 1 – 3	1,378	-	-	-	*
Grades 4 – 6	*	-	-	-	-
Grades 7 – 8	*	-	-	-	-
Grades 9 – 11	-	-	-	-	-
Grade 12 complete	-	-	-	-	-
Above grade 12	*	-	-	-	-
Total	20,269	-	-	*	*

Table 2.6 Number of Holders Applying Inputs by Educational Status

<b>Benishangul – Gumuz Region</b>					
Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	101,044	13,677	4,425	6,716	4,374
Literate (informal)	10,851	2,683	1,486	1,157	1,046
Grades 1 – 3	19,638	3,545	1,048	1,688	1,339
Grades 4 – 6	18,746	4,258	960	2,069	1,391
Grades 7 – 8	6,101	1,363	*	*	*
Grades 9 – 11	2,495	548	*	*	*
Grade 12 complete	*	-	-	-	-
Above grade 12	*	*	*	-	-
Total	159,863	26,343	8,441	12,275	8,585

Table 2.6.1 Number of Holders Applying Inputs by Educational Status

**Metekel**

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	34,757	6,746	1,629	3,752	*
Literate (informal)	3,468	1,120	*	639	*
Grades 1 – 3	6,924	2,276	833	1,189	*
Grades 4 – 6	5,571	2,528	*	1,219	*
Grades 7 – 8	1,595	1,036	*	*	-
Grades 9 – 11	*	*	-	-	-
Grade 12 complete	*	-	-	-	-
Above grade 12	-	-	-	-	-
Total	52,764	13,907	3,107	7,004	*

Table 2.6.2 Number of Holders Applying Inputs by Educational Status

**Asosa**

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	43,202	5,250	2,424	*	2,152
Literate (informal)	5,409	*	*	*	*
Grades 1 – 3	8,044	*	*	*	*
Grades 4 – 6	7,317	1,346	*	*	*
Grades 7 – 8	2,303	*	-	*	*
Grades 9 – 11	1,359	*	*	*	*
Grade 12 complete	-	-	-	-	-
Above grade 12	*	*	*	-	-
Total	68,309	9,419	4,712	*	4,034

Table 2.6.3 Number of Holders Applying Inputs by Educational Status

**Kemashi**

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	11,939	*	*	*	*
Literate (informal)	694	-	-	-	-
Grades 1 – 3	3,517	*	-	*	*
Grades 4 – 6	4,169	*	-	-	-
Grades 7 – 8	1,833	*	-	-	*
Grades 9 – 11	606	*	-	-	*
Grade 12 complete	*	-	-	-	-
Above grade 12	*	-	-	-	-
Total	22,938	1,081	*	240	*

Table 2.6.4 Number of Holders Applying Inputs by Educational Status

**Pawe Special**

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	3,589	976	89	406	185
Literate (informal)	633	308	73	*	73
Grades 1 – 3	469	148	*	*	*
Grades 4 – 6	880	325	60	103	196
Grades 7 – 8	252	73	-	*	*
Grades 9 – 11	143	*	*	-	*
Grade 12 complete	-	-	-	-	-
Above grade 12	*	-	-	-	-
Total	5,995	1,847	296	661	529

Table 2.6.5 Number of Holders Applying Inputs by Educational Status

**Mao Komo**

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	7,556	*	*	494	*
Literate (informal)	646	*	-	*	-
Grades 1 – 3	684	-	*	124	*
Grades 4 – 6	809	-	*	*	*
Grades 7 – 8	119	-	-	-	-
Grades 9 – 11	*	-	-	*	-
Grade 12 complete	-	-	-	-	-
Above grade 12	-	-	-	-	-
Total	9,858	*	*	737	118

Table 2.7 Number of Holders Applying Inputs by Educational Status

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

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	1,859,242	544,484	125,445	327,992	51,156
Literate (informal)	87,934	40,483	13,572	32,467	4,631
Grades 1 – 3	383,551	123,845	36,047	73,638	11,802
Grades 4 – 6	473,394	188,638	74,296	89,252	10,991
Grades 7 – 8	190,499	88,979	27,187	37,455	5,618
Grades 9 – 11	87,113	41,476	18,281	15,569	2,581
Grade 12 complete	22,177	10,900	5,449	6,396	*
Above grade 12	11,489	4,584	2,978	*	*
Total	3,115,402	1,043,389	303,256	583,693	87,436

Table 2.7.1 Number of Holders Applying Inputs by Educational Status

**Gurage**

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	195,701	106,134	25,153	41,186	4,175
Literate (informal)	15,171	7,611	4,880	5,448	*
Grades 1 – 3	29,222	18,432	6,233	3,898	*
Grades 4 – 6	36,810	26,927	10,016	6,274	*
Grades 7 – 8	10,946	8,716	*	*	-
Grades 9 – 11	2,905	*	*	-	-
Grade 12 complete	2,482	2,116	*	*	-
Above grade 12	*	-	*	-	-
Total	293,929	172,125	52,134	59,595	5,467

Table 2.7.2 Number of Holders Applying Inputs by Educational Status

**Hadiya**

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	107,397	92,313	10,215	84,580	*
Literate (informal)	*	*	*	*	-
Grades 1 – 3	27,764	22,319	*	21,434	*
Grades 4 – 6	46,114	39,951	6,280	35,815	*
Grades 7 – 8	23,994	20,740	2,863	18,062	*
Grades 9 – 11	7,295	6,634	*	4,775	*
Grade 12 complete	4,312	4,312	*	4,312	-
Above grade 12	*	*	-	-	-
Total	225,870	194,911	26,442	176,649	2,218

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	57,242	42,179	2,533	29,570	1,168
Literate (informal)	*	*	-	*	*
Grades 1 – 3	13,381	10,928	*	7,521	*
Grades 4 – 6	24,748	19,433	3,038	14,769	*
Grades 7 – 8	13,104	10,406	1,018	7,667	*
Grades 9 – 11	6,785	5,429	*	4,204	-
Grade 12 complete	1,392	1,063	-	893	-
Above grade 12	*	*	-	*	-
Total	118,344	90,105	8,093	65,290	2,993

Table 2.7.4 Number of Holders Applying Inputs by Educational Status

**Sidama**

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	334,233	93,712	53,352	13,269	-
Literate (informal)	13,325	4,781	*	*	-
Grades 1 – 3	98,309	31,476	16,418	*	*
Grades 4 – 6	139,914	56,715	41,851	6,969	*
Grades 7 – 8	56,907	29,188	14,352	*	-
Grades 9 – 11	27,457	18,382	12,111	*	-
Grade 12 complete	7,824	*	*	-	-
Above grade 12	*	*	*	*	-
Total	680,256	237,332	143,477	35,803	*

Table 2.7.5 Number of Holders Applying Inputs by Educational Status

**Gedio**

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	86,770	*	4,390	1,601	-
Literate (informal)	2,973	-	*	*	-
Grades 1 – 3	29,880	1,329	3,127	*	-
Grades 4 – 6	32,899	1,330	3,260	-	*
Grades 7 – 8	14,619	1,837	2,615	-	-
Grades 9 – 11	5,592	*	*	*	-
Grade 12 complete	*	*	*	*	-
Above grade 12	*	-	-	-	-
Total	174,453	8,160	14,934	3,440	*

Table 2.7.6 Number of Holders Applying Inputs by Educational Status

**Wolayita**

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	160,675	76,413	3,383	10,199	*
Literate (informal)	3,747	*	-	-	-
Grades 1 – 3	34,881	16,253	*	2,581	-
Grades 4 – 6	47,269	24,655	*	*	*
Grades 7 – 8	22,433	12,781	*	*	-
Grades 9 – 11	12,325	7,021	*	*	-
Grade 12 complete	2,209	*	*	-	-
Above grade 12	*	*	*	-	-
Total	285,361	143,058	7,579	15,329	*

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	90,278	*	*	-	*
Literate (informal)	1,396	-	-	-	-
Grades 1 – 3	9,015	*	*	-	*
Grades 4 – 6	8,018	*	*	-	-
Grades 7 – 8	1,576	*	*	-	-
Grades 9 – 11	859	-	-	-	-
Grade 12 complete	-	-	-	-	-
Above grade 12	-	-	-	-	-
Total	111,141	*	*	-	*

Table 2.7.8 Number of Holders Applying Inputs by Educational Status

**Sheka**

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	20,164	*	997	*	-
Literate (informal)	3,110	*	*	-	-
Grades 1 – 3	7,667	-	551	*	*
Grades 4 – 6	8,514	-	458	*	*
Grades 7 – 8	4,081	-	*	*	-
Grades 9 – 11	1,516	-	*	-	-
Grade 12 complete	*	-	-	-	-
Above grade 12	*	-	-	-	-
Total	45,617	*	2,557	*	*

Table 2.7.9 Number of Holders Applying Inputs by Educational Status

**Kefa**

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	135,101	1,480	3,780	48,682	*
Literate (informal)	3,605	*	-	3,058	-
Grades 1 – 3	20,760	*	*	11,223	-
Grades 4 – 6	29,591	1,211	2,042	11,567	*
Grades 7 – 8	8,744	*	*	3,304	*
Grades 9 – 11	4,719	*	*	1,949	-
Grade 12 complete	*	-	-	-	-
Above grade 12	*	-	-	-	-
Total	203,333	4,439	7,222	79,783	*

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	239,791	*	*	5,367	20,929
Literate (informal)	2,107	-	-	-	*
Grades 1 – 3	36,781	-	*	*	*
Grades 4 – 6	29,058	*	*	-	3,027
Grades 7 – 8	12,261	-	*	-	*
Grades 9 – 11	8,015	*	*	-	*
Grade 12 complete	*	-	*	-	-
Above grade 12	2,136	*	*	-	*
Total	330,634	*	5,452	6,865	31,770

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	96,291	*	*	*	*
Literate (informal)	*	-	*	*	*
Grades 1 – 3	21,874	-	*	*	-
Grades 4 – 6	12,895	-	*	*	*
Grades 7 – 8	2,242	-	-	-	-
Grades 9 – 11	2,935	-	-	-	-
Grade 12 complete	*	-	-	-	-
Above grade 12	*	-	-	-	-
Total	139,559	*	*	*	*

Table 2.7.12 Number of Holders Applying Inputs by Educational Status

**Yem Special Wereda**

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	10,043	6,893	1,449	6,277	*
Literate (informal)	910	833	*	787	-
Grades 1 – 3	2,983	2,331	639	1,906	*
Grades 4 – 6	2,001	1,771	435	1,428	-
Grades 7 – 8	628	545	*	512	-
Grades 9 – 11	541	401	*	282	-
Grade 12 complete	*	*	*	*	-
Above grade 12	*	*	-	-	-
Total	17,265	12,934	3,107	11,271	*

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	14,633	-	-	*	6,468
Literate (informal)	2,142	-	*	-	1,336
Grades 1 – 3	6,093	*	*	*	2,507
Grades 4 – 6	8,219	-	-	*	3,797
Grades 7 – 8	2,358	*	-	-	1,745
Grades 9 – 11	1,078	-	-	-	483
Grade 12 complete	*	-	-	-	*
Above grade 12	*	-	-	-	*
Total	34,934	*	*	*	16,593

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	6,282	*	*	*	148
Literate (informal)	*	-	-	-	-
Grades 1 – 3	1,535	*	*	*	*
Grades 4 – 6	1,257	*	-	*	-
Grades 7 – 8	216	*	-	-	-
Grades 9 – 11	*	-	-	-	-
Grade 12 complete	*	-	-	-	-
Above grade 12	*	-	-	-	-
Total	9,567	*	*	148	221

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	45,830	-	*	1,676	*
Literate (informal)	*	-	*	-	*
Grades 1 – 3	2,238	-	-	-	835
Grades 4 – 6	3,916	-	-	-	*
Grades 7 – 8	1,115	-	-	-	*
Grades 9 – 11	1,383	-	-	-	*
Grade 12 complete	*	-	-	-	-
Above grade 12	-	-	-	-	-
Total	56,105	-	559	1,676	7,598

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	17,947	-	-	*	*
Literate (informal)	895	-	-	-	*
Grades 1 – 3	2,590	*	-	*	*
Grades 4 – 6	1,618	-	-	*	-
Grades 7 – 8	1,229	-	-	*	*
Grades 9 – 11	453	-	-	-	*
Grade 12 complete	*	-	-	-	-
Above grade 12	-	-	-	-	-
Total	24,808	*	-	*	*

Table 2.7.17 Number of Holders Applying Inputs by Educational Status

**Dawro**

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	60,426	*	*	*	-
Literate (informal)	5,014	*	*	-	-
Grades 1 – 3	11,145	-	-	-	*
Grades 4 – 6	19,675	*	-	*	-
Grades 7 – 8	8,487	*	*	*	-
Grades 9 – 11	2,713	*	-	*	-
Grade 12 complete	*	-	-	-	-
Above grade 12	*	-	-	-	-
Total	108,679	*	834	*	*

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	8,902	193	200	216	*
Literate (informal)	449	*	*	-	-
Grades 1 – 3	2,182	*	*	-	*
Grades 4 – 6	2,020	*	*	-	-
Grades 7 – 8	890	*	*	-	-
Grades 9 – 11	172	*	*	-	-
Grade 12 complete	-	-	-	-	-
Above grade 12	*	-	-	-	-
Total	14,676	458	525	216	*

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	18,914	-	323	4,671	-
Literate (informal)	1,097	-	-	*	-
Grades 1 – 3	2,990	*	*	710	-
Grades 4 – 6	1,834	-	*	403	-
Grades 7 – 8	873	-	*	*	-
Grades 9 – 11	*	-	*	*	-
Grade 12 complete	-	-	-	-	-
Above grade 12	-	-	-	-	-
Total	26,025	*	830	6,378	-

Table 2.7.20 Number of Holders Applying Inputs by Educational Status

**Silitie**

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	117,606	90,788	13,538	57,514	3,969
Literate (informal)	17,668	14,079	2,704	9,771	*
Grades 1 – 3	18,292	15,638	2,425	10,345	*
Grades 4 – 6	15,206	13,769	4,350	7,879	-
Grades 7 – 8	3,202	3,202	*	1,752	*
Grades 9 – 11	-	-	-	-	-
Grade 12 complete	-	-	-	-	-
Above grade 12	*	*	-	-	-
Total	172,534	137,754	23,620	87,261	7,543

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	35,016	26,095	1,656	16,951	*
Literate (informal)	904	904	*	702	-
Grades 1 – 3	3,969	3,478	*	2,561	*
Grades 4 – 6	1,820	1,617	*	1,009	-
Grades 7 – 8	599	496	-	*	-
Grades 9 – 11	-	-	-	-	-
Grade 12 complete	-	-	-	-	-
Above grade 12	-	-	-	-	-
Total	42,308	32,590	2,366	21,522	385

Table 2.8 Number of Holders Applying Inputs by Educational Status

**Gambela Region**

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	22,823	-	*	*	*
Literate (informal)	1,832	-	-	-	-
Grades 1 – 3	4,425	-	*	-	-
Grades 4 – 6	5,604	-	*	*	*
Grades 7 – 8	2,157	-	*	*	-
Grades 9 – 11	1,222	-	-	*	-
Grade 12 complete	277	-	-	-	-
Above grade 12	253	-	-	-	-
Total	38,594	-	*	*	*



Table 2.8.1 Number of Holders Applying Inputs by Educational Status

**Agnuwak**

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	8,043	-	*	-	-
Literate (informal)	*	-	-	-	-
Grades 1 – 3	1,242	-	*	-	-
Grades 4 – 6	1,958	-	*	-	*
Grades 7 – 8	868	-	*	*	-
Grades 9 – 11	*	-	-	-	-
Grade 12 complete	*	-	-	-	-
Above grade 12	*	-	-	-	-
Total	12,470	-	*	*	*

Table 2.8.2 Number of Holders Applying Inputs by Educational Status

**Nuware**

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	5,093	-	-	*	-
Literate (informal)	*	-	-	-	-
Grades 1 – 3	*	-	-	-	-
Grades 4 – 6	*	-	-	-	-
Grades 7 – 8	*	-	-	-	-
Grades 9 – 11	*	-	-	-	-
Grade 12 complete	-	-	-	-	-
Above grade 12	*	-	-	-	-
Total	6,341	-	-	*	-

Table 2.8.3 Number of Holders Applying Inputs by Educational Status

**Mezhenger**

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	6,341	-	-	*	-
Literate (informal)	1,558	-	-	-	-
Grades 1 – 3	2,444	-	-	-	-
Grades 4 – 6	2,683	-	-	*	-
Grades 7 – 8	834	-	-	*	-
Grades 9 – 11	794	-	-	-	-
Grade 12 complete	*	-	-	-	-
Above grade 12	*	-	-	-	-
Total	14,891	-	-	*	-

Table 2.8.4 Number of Holders Applying Inputs by Educational Status

**Itang Special**

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	3,347	-	-	*	*
Literate (informal)	*	-	-	-	-
Grades 1 – 3	256	-	-	-	-
Grades 4 – 6	463	-	-	-	-
Grades 7 – 8	325	-	-	-	-
Grades 9 – 11	338	-	-	*	-
Grade 12 complete	98	-	-	-	-
Above grade 12	35	-	-	-	-
Total	4,893	-	-	*	*

Table 2.9 Number of Holders Applying Inputs by Educational Status

**Harari Region**

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	12,869	5,281	454	1,349	1,580
Literate (informal)	1,355	921	*	*	321
Grades 1 – 3	1,381	650	*	*	355
Grades 4 – 6	2,249	1,333	*	*	306
Grades 7 – 8	333	238	*	*	*
Grades 9 – 11	197	*	*	*	*
Grade 12 complete	-	-	-	-	-
Above grade 12	-	-	-	-	-
Total	18,382	8,542	846	1,819	2,638

Table 2.10 Number of Holders Applying Inputs by Educational Status

**Dire Dawa**

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	12,603	748	685	330	3,480
Literate (informal)	*	*	-	-	*
Grades 1 – 3	1,230	*	*	*	*
Grades 4 – 6	1,193	*	*	*	342
Grades 7 – 8	150	-	*	*	*
Grades 9 – 11	*	-	-	-	-
Grade 12 complete	-	-	-	-	-
Above grade 12	-	-	-	-	-
Total	15,635	1,070	970	445	4,433

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	9,571,841	1,901,432	656,353	211,347	121,128	44,096	40,240	143,943
Crop disease	21,736	1,975	639	*	*	-	*	*
Frost or floods	3,243,386	463,363	166,693	54,762	32,052	12,786	8,666	19,030
Locust	801,472	94,415	30,034	11,637	6,206	1,661	2,091	5,942
Shortage of rain	439,106	33,569	9,428	4,359	1,595	550	901	2,562
Too much rain	2,987,841	201,143	60,037	21,017	9,655	4,453	5,553	34,344
Wild animals	195,461	9,870	4,303	716	908	85	159	904
Birds	1,239,666	147,764	56,860	13,200	12,553	5,263	2,856	9,599
Hailstone	1,875,526	303,256	98,587	28,834	14,550	4,118	4,571	19,754
Pests	714,569	76,139	30,818	8,292	4,654	2,379	1,501	2,989
Weeds	2,211,438	204,265	70,409	27,159	12,853	4,243	3,875	15,841
Others	3,343,470	365,673	128,545	41,337	25,740	8,557	9,944	32,912

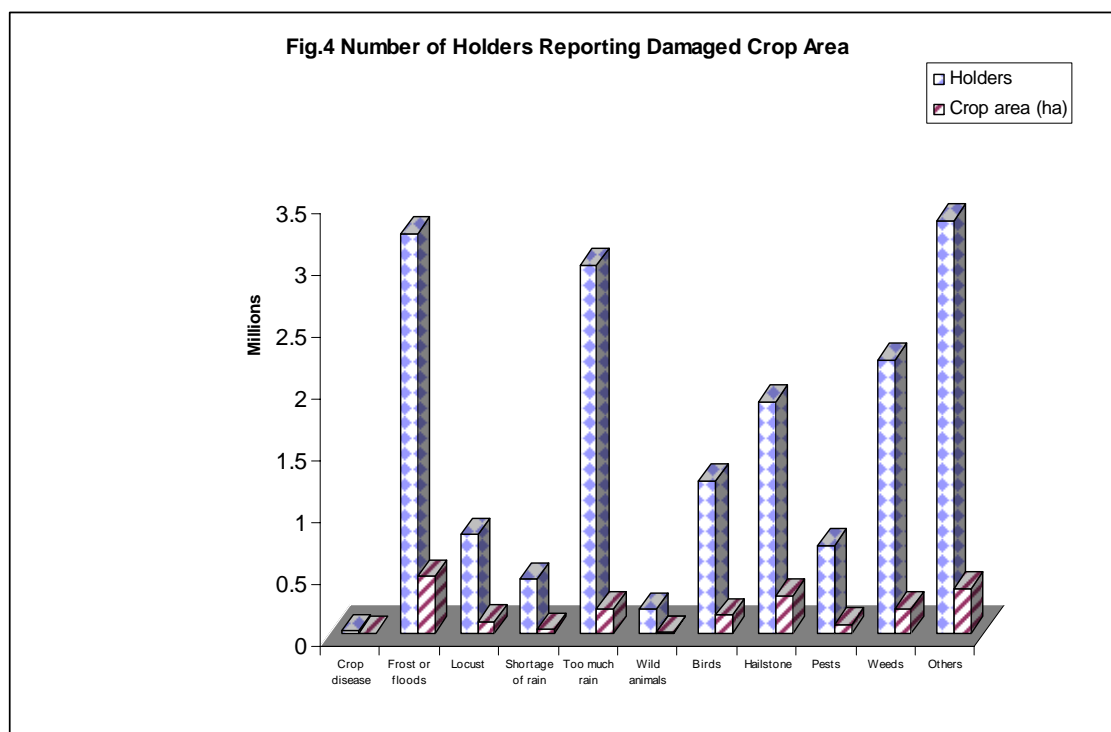


Table 3.1 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

**Tigray Region**

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	738,433	169,713	75,738	16,836	13,762	3,738	2,063	4,425
Crop disease	*	*	*	*	-	-	*	-
Frost or floods	355,245	69,682	30,838	5,868	5,489	1,665	414	1,629
Locust	73,371	7,527	2,974	1,399	656	*	*	*
Shortage of rain	21,882	909	355	280	*	*	*	*
Too much rain	230,827	17,992	7,834	2,060	1,093	236	722	551
Wild animals	5,743	156	*	*	*	*	-	*
Birds	139,638	15,825	7,525	1,136	2,015	372	*	420
Hailstone	139,748	20,452	9,087	2,729	1,596	177	*	713
Pests	53,596	4,332	2,250	*	199	*	*	150
Weeds	193,576	15,863	6,971	1,412	844	467	328	542
Others	181,848	16,892	7,847	1,439	1,820	631	*	282

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	139,442	32,847	15,029	3,229	3,342	1,114	*	*
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	51,211	10,815	5,014	*	715	*	*	*
Locust	13,880	*	*	-	*	*	-	*
Shortage of rain	*	*	*	-	*	-	-	-
Too much rain	38,157	2,533	1,001	320	*	*	*	*
Wild animals	*	*	*	-	*	*	-	-
Birds	35,478	5,280	2,682	*	*	149	*	*
Hailstone	18,518	3,147	1,198	*	*	*	-	*
Pests	6,339	540	227	*	*	*	*	*
Weeds	45,368	5,167	2,495	431	414	*	*	*
Others	40,280	4,302	2,205	*	*	298	*	*

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	236,878	44,994	23,596	5,304	2,439	669	1,129	1,601
Crop disease	*	*	*	*	-	-	*	-
Frost or floods	94,206	10,797	5,004	1,327	*	*	*	595
Locust	33,548	3,635	1,970	*	*	*	*	*
Shortage of rain	7,057	217	*	*	-	*	*	*
Too much rain	105,660	8,741	3,955	1,081	404	113	565	*
Wild animals	*	*	*	*	*	-	-	-
Birds	41,924	3,096	2,009	250	88	*	-	*
Hailstone	55,425	6,539	4,269	*	375	*	*	*
Pests	22,433	2,265	1,311	*	*	-	*	*
Weeds	84,434	5,743	2,902	624	*	162	*	*
Others	51,839	3,872	2,064	402	619	*	-	*

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	117,527	19,430	7,094	1,325	260	226	205	212
Crop disease	*	*	*	-	-	-	-	-
Frost or floods	84,977	11,216	4,519	829	175	*	*	*
Locust	10,465	*	*	*	*	*	*	*
Shortage of rain	*	*	*	*	*	-	-	*
Too much rain	31,830	1,411	503	127	*	*	*	*
Wild animals	*	*	*	-	-	-	-	-
Birds	14,451	1,121	417	*	-	*	*	*
Hailstone	22,210	1,181	297	*	-	-	*	*
Pests	9,197	481	*	*	*	-	-	*
Weeds	15,933	730	354	*	*	*	*	*
Others	26,222	*	524	*	*	-	*	*

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	186,769	41,035	19,630	6,806	2,147	*	352	1,539
Crop disease	*	*	-	-	-	-	-	-
Frost or floods	83,453	13,847	7,659	2,500	545	*	*	*
Locust	14,305	2,030	*	*	*	-	*	*
Shortage of rain	*	*	156	*	*	*	-	-
Too much rain	47,737	4,582	2,125	532	*	*	*	*
Wild animals	*	*	*	-	-	-	-	*
Birds	27,104	3,088	1,969	330	*	*	*	*
Hailstone	40,588	9,380	3,273	1,284	*	*	*	*
Pests	12,353	730	435	*	-	-	*	*
Weeds	40,395	2,360	839	*	*	*	*	*
Others	50,025	4,584	2,584	735	232	*	*	200

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	57,817	31,408	10,390	*	5,574	1,603	138	869
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	41,398	23,006	8,642	*	3,664	1,113	*	*
Locust	*	*	*	*	*	-	-	-
Shortage of rain	*	*	-	-	*	-	-	-
Too much rain	7,443	724	*	-	*	*	*	*
Wild animals	*	*	-	-	-	-	-	-
Birds	20,682	3,240	449	*	932	*	*	*
Hailstone	3,008	205	50	-	*	*	*	-
Pests	3,274	317	*	-	133	*	*	-
Weeds	7,445	*	*	*	*	*	-	*
Others	13,482	1,956	*	*	*	*	*	*

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	8,764	3,701	*	*	*	*	-	*
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	*	*	*	-	-	-	-	*
Locust	*	*	-	-	-	-	-	*
Shortage of rain	*	*	*	-	-	-	-	*
Too much rain	*	*	*	*	*	-	-	*
Wild animals	-	-	-	-	-	-	-	-
Birds	1,016	*	*	-	*	-	-	*
Hailstone	*	*	*	*	*	*	-	*
Pests	*	*	-	-	-	*	-	*
Weeds	4,072	*	*	*	*	*	-	*
Others	1,938	*	*	*	*	-	-	*

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	2,647	*	*	-	-	-	-	-
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	*	*	-	-	-	-	-	-
Locust	-	-	-	-	-	-	-	-
Shortage of rain	*	*	*	-	-	-	-	-
Too much rain	-	-	-	-	-	-	-	-
Wild animals	-	-	-	-	-	-	-	-
Birds	*	*	*	-	-	-	-	-
Hailstone	*	*	-	-	-	-	-	-
Pests	*	*	-	-	-	-	-	-
Weeds	*	*	*	-	-	-	-	-
Others	*	*	*	-	-	-	-	-

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

**Zone 3**

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	6,117	*	*	*	*	*	-	*
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	*	*	*	-	-	-	-	*
Locust	*	*	-	-	-	-	-	*
Shortage of rain	*	*	-	-	-	-	-	*
Too much rain	*	*	*	*	*	-	-	*
Wild animals	-	-	-	-	-	-	-	-
Birds	*	*	*	-	*	-	-	*
Hailstone	*	*	*	*	*	*	-	*
Pests	*	*	-	-	-	*	-	*
Weeds	3,285	*	*	*	*	*	-	*
Others	*	*	*	*	*	-	-	*

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

**Amhara Region**

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	2,709,324	641,459	229,896	102,904	46,867	18,322	16,017	31,037
Crop disease	*	*	*	-	*	-	-	-
Frost or floods	837,812	110,277	38,298	19,062	5,991	3,754	2,705	2,407
Locust	364,626	47,329	14,657	6,995	3,882	*	1,198	2,270
Shortage of rain	159,671	14,595	3,631	2,298	1,321	*	*	*
Too much rain	654,750	51,734	18,170	9,042	4,120	1,284	1,264	3,631
Wild animals	56,415	3,130	1,301	247	*	*	*	*
Birds	398,760	55,688	23,194	5,495	5,593	3,443	1,052	3,851
Hailstone	640,918	93,038	34,139	15,667	6,394	2,186	2,283	3,748
Pests	287,773	31,576	12,565	4,763	1,426	1,406	422	1,158
Weeds	997,824	113,555	42,082	20,686	8,458	2,262	1,997	6,901
Others	1,048,810	119,657	41,803	18,651	8,912	3,236	4,585	6,466

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	439,185	151,476	63,447	17,930	17,523	6,827	3,211	2,287
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	192,848	40,440	16,978	6,882	2,381	1,621	*	*
Locust	69,758	9,279	3,955	957	*	*	*	*
Shortage of rain	*	*	*	*	*	*	-	-
Too much rain	80,548	6,146	1,935	*	*	*	*	*
Wild animals	7,390	*	*	-	*	*	-	-
Birds	122,304	24,615	10,611	906	3,688	2,630	*	*
Hailstone	113,082	27,098	*	4,550	2,180	*	*	*
Pests	46,301	5,804	3,025	*	*	*	*	*
Weeds	148,272	15,232	6,550	1,750	2,397	*	*	*
Others	158,125	20,514	9,750	1,707	2,982	843	979	*

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	385,737	118,633	37,757	25,578	6,498	1,411	4,406	5,465
Crop disease	*	*	*	-	*	-	-	-
Frost or floods	140,054	15,030	4,703	3,257	945	207	997	*
Locust	66,605	10,073	3,140	993	*	*	*	*
Shortage of rain	13,487	736	*	*	*	-	*	*
Too much rain	127,532	13,393	4,329	3,538	385	*	*	*
Wild animals	*	*	*	*	-	-	*	-
Birds	48,091	4,516	1,041	940	572	*	*	*
Hailstone	149,150	26,467	9,829	5,693	1,262	*	940	*
Pests	68,980	8,008	2,097	2,241	*	357	*	*
Weeds	123,673	15,574	5,053	3,119	712	*	497	494
Others	183,008	23,122	6,910	5,526	956	*	1,229	*

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	274,252	45,218	16,208	8,242	707	528	657	*
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	87,297	9,925	3,603	1,611	*	*	*	*
Locust	30,124	*	*	*	-	-	*	*
Shortage of rain	39,402	3,267	746	*	*	*	-	*
Too much rain	70,544	4,383	1,902	1,103	*	-	*	*
Wild animals	3,592	159	*	*	-	-	-	-
Birds	27,799	2,139	1,048	*	*	*	-	*
Hailstone	28,347	1,442	406	*	*	-	*	*
Pests	36,025	5,246	2,296	*	*	*	*	*
Weeds	117,356	11,363	4,527	3,140	*	*	122	*
Others	74,998	5,087	1,175	491	*	*	*	*

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	412,131	61,837	17,403	11,327	3,034	*	*	2,085
Crop disease	*	*	-	-	-	-	-	-
Frost or floods	142,590	14,498	3,765	2,621	*	*	*	*
Locust	51,100	5,680	1,159	*	*	*	*	*
Shortage of rain	39,843	3,194	533	278	*	-	*	*
Too much rain	90,379	4,820	1,382	851	*	*	*	*
Wild animals	20,407	902	*	112	*	-	*	*
Birds	25,464	*	740	*	-	*	-	*
Hailstone	86,500	5,770	2,344	670	*	*	*	*
Pests	39,669	2,767	*	*	*	-	-	*
Weeds	143,096	13,084	3,406	3,463	518	*	*	427
Others	109,838	9,808	2,015	1,892	*	*	139	*

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	339,709	93,795	31,676	12,143	5,351	2,713	2,030	12,016
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	89,515	11,110	2,868	1,291	*	*	*	729
Locust	26,054	5,272	*	*	*	-	*	*
Shortage of rain	36,729	5,057	1,382	*	*	*	*	*
Too much rain	100,367	10,033	3,363	991	*	*	*	*
Wild animals	4,953	*	*	*	-	*	*	*
Birds	45,030	5,831	2,304	286	*	-	*	*
Hailstone	87,789	10,334	3,401	1,256	*	*	*	*
Pests	19,062	*	729	*	-	*	-	*
Weeds	180,442	28,030	9,883	5,057	*	298	*	3,765
Others	132,830	15,178	5,360	1,831	848	*	*	2,036



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	284,560	50,476	22,566	8,321	4,618	2,648	1,211	3,049
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	74,937	5,884	2,080	1,191	*	*	261	323
Locust	36,840	3,957	1,576	*	*	*	*	*
Shortage of rain	5,958	111	*	*	-	*	*	-
Too much rain	60,956	3,169	1,381	775	*	*	*	*
Wild animals	4,042	*	*	*	-	*	*	*
Birds	47,175	6,012	*	*	518	*	*	*
Hailstone	47,761	*	*	1,025	*	*	*	409
Pests	26,264	1,951	795	*	225	*	*	*
Weeds	70,840	8,071	4,039	1,011	1,019	251	*	*
Others	139,670	14,487	6,292	2,883	917	753	*	1,058

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	305,194	54,871	15,347	9,328	4,161	3,434	2,351	2,882
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	65,895	7,151	2,023	1,014	*	*	*	481
Locust	41,761	4,396	766	1,229	*	*	*	*
Shortage of rain	*	*	*	*	*	-	*	-
Too much rain	69,485	3,308	1,019	*	396	*	180	115
Wild animals	2,389	53	*	-	-	-	*	-
Birds	35,966	3,537	1,498	682	*	*	*	*
Hailstone	83,060	9,955	2,295	1,758	*	*	*	*
Pests	23,804	2,186	769	420	*	*	*	*
Weeds	112,798	9,433	3,661	1,196	1,003	*	*	363
Others	135,321	14,467	3,227	2,451	1,010	*	768	*

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	88,659	31,323	13,674	6,137	1,800	*	*	*
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	26,111	4,283	1,703	852	*	*	*	*
Locust	21,936	3,590	813	635	*	*	*	*
Shortage of rain	1,178	*	*	*	-	-	-	-
Too much rain	29,534	4,981	2,202	1,068	*	*	*	*
Wild animals	*	*	*	*	-	-	-	-
Birds	31,343	5,580	2,757	1,088	*	-	-	-
Hailstone	16,682	2,097	*	229	*	-	*	-
Pests	9,461	1,228	433	331	*	-	-	*
Weeds	37,511	4,810	2,184	716	*	-	*	-
Others	33,026	4,590	2,232	1,183	*	*	-	-

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

**Awii**

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	103,722	19,453	5,884	2,607	2,206	*	1,200	*
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	11,411	1,569	441	*	226	-	-	*
Locust	15,171	*	*	*	*	*	*	*
Shortage of rain	1,159	*	*	*	-	-	*	-
Too much rain	15,747	940	368	*	*	-	*	*
Wild animals	-	-	-	-	-	-	-	-
Birds	11,116	1,503	288	*	*	*	*	*
Hailstone	11,905	1,373	*	*	*	*	-	-
Pests	5,502	390	*	-	*	-	*	*
Weeds	18,952	2,641	*	*	*	*	*	-
Others	61,377	8,619	2,517	663	983	*	860	*

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	71,755	13,471	5,625	1,128	904	*	*	418
Crop disease	*	*	*	-	-	-	-	-
Frost or floods	6,901	370	*	*	*	-	*	*
Locust	*	*	*	*	*	-	-	*
Shortage of rain	*	*	*	-	-	-	-	-
Too much rain	8,675	497	269	*	*	-	-	*
Wild animals	*	*	*	-	-	-	-	-
Birds	*	*	*	*	*	-	-	-
Hailstone	15,726	1,704	*	*	*	*	*	*
Pests	12,127	1,252	705	*	*	-	*	*
Weeds	41,327	4,738	1,356	613	266	*	*	208
Others	20,195	*	*	*	*	-	*	72

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

**Argoba Special**

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	4,423	906	309	164	67	17	-	70
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	255	17	*	*	-	*	-	*
Locust	*	*	*	-	-	-	-	-
Shortage of rain	*	*	*	-	-	-	-	-
Too much rain	982	65	21	15	*	*	-	*
Wild animals	120	*	-	*	-	-	-	*
Birds	296	26	*	*	*	-	-	*
Hailstone	915	64	21	*	*	*	-	*
Pests	578	106	24	*	*	*	-	*
Weeds	3,557	582	225	99	*	*	-	49
Others	424	40	3	*	*	-	-	*

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	3,883,206	839,166	269,093	73,852	54,288	13,712	15,031	78,120
Crop disease	11,198	944	566	*	*	-	*	*
Frost or floods	1,300,547	220,451	74,799	24,386	19,773	4,757	2,847	10,584
Locust	265,891	32,072	10,421	2,366	1,474	701	737	2,228
Shortage of rain	172,337	14,170	4,192	1,584	*	*	261	1,075
Too much rain	1,223,005	100,008	26,633	8,426	4,101	1,914	2,762	20,288
Wild animals	67,457	2,684	1,087	162	464	*	*	296
Birds	468,000	55,887	19,621	4,776	3,163	*	*	3,751
Hailstone	846,796	142,751	42,144	8,382	5,982	922	1,722	13,058
Pests	239,261	26,860	10,015	2,315	2,368	*	*	989
Weeds	675,778	58,405	16,661	3,913	2,772	973	1,064	6,123
Others	1,449,673	184,934	62,954	17,520	13,984	3,236	4,088	19,666

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	197,473	34,378	6,948	2,943	2,048	152	703	8,097
Crop disease	*	*	*	-	-	-	-	-
Frost or floods	41,115	2,424	693	*	*	*	*	644
Locust	21,542	2,731	*	*	*	*	*	648
Shortage of rain	*	*	*	-	-	-	*	*
Too much rain	123,151	10,200	1,321	892	615	*	376	3,247
Wild animals	*	*	*	*	*	-	-	*
Birds	21,832	1,225	516	*	*	*	*	*
Hailstone	6,244	*	*	-	*	-	-	*
Pests	9,983	850	*	*	*	*	-	*
Weeds	56,903	5,736	1,092	*	*	*	*	*
Others	92,596	10,457	2,220	*	546	*	*	1,990

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	182,475	45,667	17,339	2,831	6,851	1,392	*	2,906
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	47,157	5,875	2,537	133	1,236	*	*	460
Locust	11,428	929	253	*	*	*	-	*
Shortage of rain	1,465	*	*	-	*	-	-	-
Too much rain	85,037	6,655	2,275	*	642	*	*	802
Wild animals	5,932	283	*	*	*	*	-	*
Birds	30,991	5,608	2,300	405	1,082	*	*	203
Hailstone	25,125	2,919	988	423	322	*	*	*
Pests	11,866	1,522	469	*	*	-	-	*
Weeds	29,584	3,048	*	*	*	*	*	*
Others	95,599	18,755	6,747	995	2,529	*	*	1,104

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	226,544	46,774	13,726	3,657	2,778	924	1,267	12,037
Crop disease	*	*	-	-	-	-	-	*
Frost or floods	70,117	8,410	2,468	548	*	497	*	1,372
Locust	23,277	2,120	*	*	-	-	*	*
Shortage of rain	8,696	291	*	*	*	*	*	*
Too much rain	112,938	13,190	2,779	683	*	*	*	4,144
Wild animals	*	*	*	*	*	-	-	-
Birds	23,893	1,908	487	*	*	-	*	674
Hailstone	19,164	1,150	433	*	*	*	-	155
Pests	10,658	979	*	*	*	*	-	*
Weeds	21,666	*	*	*	*	*	*	101
Others	122,921	17,436	5,521	1,749	972	*	*	4,914

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	420,685	63,690	25,219	3,347	5,722	809	1,052	11,122
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	127,259	9,979	3,402	*	*	*	*	2,502
Locust	18,752	*	*	*	*	-	-	*
Shortage of rain	10,277	*	*	*	-	-	-	*
Too much rain	212,478	12,606	5,341	612	710	*	*	3,178
Wild animals	9,121	*	*	*	*	-	-	*
Birds	38,602	2,501	*	*	-	-	-	*
Hailstone	78,207	*	*	*	*	*	*	378
Pests	22,909	2,438	864	*	*	-	*	*
Weeds	39,772	1,905	583	*	*	-	*	*
Others	205,052	23,515	8,892	1,166	*	327	*	3,726

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	374,612	98,915	34,972	9,257	6,095	1,577	1,598	2,770
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	156,619	25,963	8,473	1,693	1,587	*	*	1,164
Locust	29,171	2,862	506	*	*	*	*	*
Shortage of rain	22,062	*	*	*	*	*	*	-
Too much rain	75,240	5,832	*	*	*	*	*	*
Wild animals	9,416	191	*	*	-	*	*	*
Birds	57,524	8,006	2,515	1,252	*	*	*	*
Hailstone	82,605	11,792	6,655	806	*	*	*	*
Pests	41,329	5,716	2,275	*	*	*	*	*
Weeds	46,474	3,047	1,091	*	*	*	*	*
Others	211,592	33,622	11,315	3,771	*	*	522	1,048

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	220,771	54,368	14,242	5,560	1,182	*	*	177
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	73,837	11,674	2,530	1,626	*	*	*	*
Locust	38,334	7,247	1,592	*	*	*	-	-
Shortage of rain	37,465	*	*	*	*	*	*	*
Too much rain	31,600	2,522	341	*	-	*	*	*
Wild animals	*	*	*	-	-	-	-	-
Birds	32,594	*	814	*	*	*	*	*
Hailstone	46,036	7,338	2,472	*	*	*	*	-
Pests	19,262	1,590	131	*	*	-	*	*
Weeds	28,589	1,983	720	*	*	-	*	*
Others	92,329	10,562	3,519	913	*	*	*	*

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	157,870	43,095	20,393	9,947	*	1,106	*	*
Crop disease	*	*	*	*	-	-	-	-
Frost or floods	57,063	13,768	5,976	3,475	-	*	*	*
Locust	*	*	*	*	-	*	-	-
Shortage of rain	11,095	1,366	642	*	-	*	-	-
Too much rain	25,507	*	*	159	*	*	-	*
Wild animals	1,831	*	*	*	-	-	-	*
Birds	25,840	4,441	2,221	662	-	-	*	-
Hailstone	21,260	3,353	1,944	*	-	*	-	-
Pests	13,717	1,895	*	604	-	-	-	-
Weeds	26,510	3,918	2,225	851	-	*	-	-
Others	40,403	7,024	3,116	2,798	-	-	*	*

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	371,954	107,665	38,928	9,784	12,637	*	564	2,901
Crop disease	*	*	*	-	-	-	*	-
Frost or floods	236,390	71,122	26,666	6,704	11,586	*	*	973
Locust	*	*	*	*	*	*	-	*
Shortage of rain	*	*	*	*	-	-	*	*
Too much rain	58,446	7,348	1,649	*	*	*	*	*
Wild animals	*	*	*	-	-	-	-	*
Birds	29,000	2,297	480	*	*	-	-	*
Hailstone	72,017	*	*	*	*	*	*	*
Pests	20,806	2,122	1,364	*	*	*	-	*
Weeds	38,167	2,029	602	119	-	*	*	*
Others	66,789	5,436	1,904	792	244	*	-	*

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	284,929	49,954	10,514	1,632	634	*	1,006	7,355
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	63,350	5,740	*	*	*	*	*	850
Locust	34,891	2,533	451	-	*	*	*	349
Shortage of rain	12,720	317	*	*	*	*	*	*
Too much rain	129,856	12,065	2,471	*	*	*	*	2,441
Wild animals	*	*	-	-	-	-	-	*
Birds	22,016	2,805	496	-	-	-	*	*
Hailstone	68,162	4,997	866	*	*	-	*	594
Pests	6,997	*	*	*	-	-	-	*
Weeds	133,914	16,252	2,900	*	*	*	*	1,559
Others	43,117	4,763	1,576	*	-	*	*	783

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	492,388	66,271	15,556	1,350	3,574	*	3,292	9,979
Crop disease	*	*	-	-	-	-	-	-
Frost or floods	109,381	4,481	871	302	*	-	*	922
Locust	38,030	*	*	*	-	*	*	*
Shortage of rain	17,803	857	*	-	*	-	-	*
Too much rain	181,671	7,257	1,891	*	*	*	635	1,877
Wild animals	12,050	*	*	-	*	-	-	78
Birds	64,487	5,129	*	*	*	-	*	573
Hailstone	197,485	24,902	4,830	*	*	*	418	2,470
Pests	27,598	1,635	*	*	*	-	*	*
Weeds	121,164	5,738	1,077	*	*	*	168	1,460
Others	162,562	12,067	2,781	405	*	-	*	1,926

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	212,813	69,757	16,179	2,042	3,065	*	*	9,091
Crop disease	*	*	*	-	-	-	-	*
Frost or floods	79,985	18,914	3,508	917	*	*	*	*
Locust	*	*	*	-	*	*	-	-
Shortage of rain	6,303	431	*	-	-	-	-	*
Too much rain	*	*	*	-	*	-	-	*
Wild animals	2,774	*	*	-	-	-	-	*
Birds	26,781	4,638	*	*	*	-	-	*
Hailstone	95,154	36,644	8,199	*	*	-	*	7,349
Pests	*	*	*	-	*	-	-	-
Weeds	21,649	3,307	578	*	-	-	*	*
Others	33,708	3,666	1,012	*	*	-	*	768

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	72,207	12,338	884	331	-	*	*	1,590
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	6,383	280	*	-	-	-	*	*
Locust	-	-	-	-	-	-	-	-
Shortage of rain	*	*	-	*	-	-	-	*
Too much rain	22,923	1,291	*	*	-	*	*	798
Wild animals	*	*	-	-	-	-	-	*
Birds	1,992	*	*	-	-	-	-	*
Hailstone	26,553	7,896	*	*	-	*	*	48
Pests	*	*	-	-	-	-	-	*
Weeds	10,044	564	*	*	-	*	*	105
Others	20,730	2,077	*	*	-	-	*	579

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	163,160	40,658	13,568	9,968	2,084	706	166	358
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	85,605	20,207	6,861	6,565	*	267	*	*
Locust	8,920	898	*	*	*	-	*	*
Shortage of rain	8,086	*	99	*	-	-	-	-
Too much rain	23,225	1,110	438	*	*	*	*	*
Wild animals	3,087	*	*	*	-	-	-	-
Birds	30,974	2,948	1,004	491	222	*	-	*
Hailstone	42,319	3,443	1,011	*	*	*	-	*
Pests	15,234	1,764	608	421	*	*	*	-
Weeds	25,977	2,103	776	*	*	*	-	*
Others	62,967	7,369	2,431	1,113	402	*	*	*

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	127,292	21,216	5,868	2,934	*	302	*	4,633
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	9,959	501	*	-	-	*	-	*
Locust	*	*	-	-	-	-	-	-
Shortage of rain	*	*	-	-	-	-	-	*
Too much rain	41,343	4,083	982	*	-	*	*	2,112
Wild animals	*	*	-	-	-	-	-	*
Birds	3,091	*	*	-	-	-	-	-
Hailstone	29,743	8,779	2,602	*	*	*	-	*
Pests	*	*	-	-	-	-	-	*
Weeds	32,043	3,591	*	*	-	*	*	647
Others	42,801	3,808	1,183	*	-	*	-	682

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	91,037	13,558	3,523	1,581	835	374	346	2,675
Crop disease	*	*	-	-	*	-	-	-
Frost or floods	31,089	3,136	880	184	*	*	*	613
Locust	3,587	310	*	*	*	*	-	*
Shortage of rain	5,170	216	*	-	-	-	*	*
Too much rain	37,233	2,883	591	573	*	*	*	637
Wild animals	*	*	-	-	-	-	*	*
Birds	19,159	1,260	308	*	*	*	*	108
Hailstone	2,389	*	*	-	*	-	*	*
Pests	3,139	*	*	*	-	*	*	*
Weeds	9,970	770	*	126	*	*	*	138
Others	91,037	13,558	3,523	1,581	835	374	346	2,675

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	80,164	25,759	12,845	1,386	5,169	596	*	871
Crop disease	*	*	*	-	-	-	-	-
Frost or floods	24,824	4,703	2,523	*	582	*	*	*
Locust	6,547	1,771	1,257	*	*	*	-	-
Shortage of rain	1,009	*	*	-	-	-	-	*
Too much rain	13,801	1,085	652	*	178	*	*	*
Wild animals	2,785	97	62	*	*	-	-	-
Birds	11,296	1,839	938	-	359	-	-	*
Hailstone	11,361	1,192	737	*	88	*	-	*
Pests	12,719	2,975	1,072	74	*	*	-	*
Weeds	20,844	2,456	1,363	*	373	*	*	*
Others	47,430	9,557	4,184	882	2,366	*	*	207

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	206,831	45,101	18,389	*	1,233	730	667	*
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	80,412	13,273	5,833	*	408	258	293	*
Locust	*	*	*	-	-	-	-	-
Shortage of rain	7,175	*	*	-	-	*	*	-
Too much rain	36,593	*	*	*	-	*	*	*
Wild animals	*	*	*	-	*	-	-	-
Birds	27,929	5,400	2,780	*	*	-	-	*
Hailstone	*	*	*	*	-	-	-	*
Pests	15,721	2,250	713	*	*	-	*	-
Weeds	12,506	1,089	408	*	-	-	*	*
Others	71,695	10,483	4,923	*	*	*	*	*



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	91,350	36,249	10,693	742	*	*	*	621
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	*	*	*	*	-	-	-	-
Locust	*	*	*	-	-	*	-	-
Shortage of rain	*	*	-	-	-	-	-	-
Too much rain	*	*	*	*	*	-	-	-
Wild animals	*	*	*	-	-	-	-	*
Birds	4,043	*	*	-	-	-	-	-
Hailstone	75,087	30,671	8,364	642	*	*	*	*
Pests	*	*	-	*	-	-	-	-
Weeds	6,183	884	*	*	*	-	*	*
Others	*	*	*	*	*	*	-	-

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

**Shinlele**

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	5,475	610	21	-	-	-	*	*
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	*	*	*	-	-	-	-	-
Locust	-	-	-	-	-	-	-	-
Shortage of rain	*	*	-	-	-	-	-	-
Too much rain	*	*	-	-	-	-	-	-
Wild animals	*	*	-	-	-	-	-	*
Birds	*	*	-	-	-	-	-	-
Hailstone	3,787	369	*	-	-	-	-	*
Pests	*	*	-	-	-	-	-	-
Weeds	1,671	157	*	-	-	-	*	*
Others	*	*	-	-	-	-	-	-

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	72,925	33,498	10,386	*	*	*	*	*
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	*	*	-	-	-	-	-	-
Locust	*	*	*	-	-	*	-	-
Shortage of rain	-	-	-	-	-	-	-	-
Too much rain	*	*	*	*	*	-	-	-
Wild animals	*	*	*	-	-	-	-	-
Birds	3,998	*	*	-	-	-	-	-
Hailstone	62,534	28,436	8,243	*	*	*	*	*
Pests	-	-	-	-	-	-	-	-
Weeds	2,967	*	*	-	*	-	-	-
Others	*	*	*	-	*	*	-	-

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

**Liben**

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	12,950	2,140	286	509	-	-	-	-
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	*	*	*	*	-	-	-	-
Locust	-	-	-	-	-	-	-	-
Shortage of rain	-	-	-	-	-	-	-	-
Too much rain	*	*	-	-	-	-	-	-
Wild animals	-	-	-	-	-	-	-	-
Birds	-	-	-	-	-	-	-	-
Hailstone	8,766	1,866	*	434	-	-	-	-
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	112,753	22,829	6,517	2,391	4,063	2,182	926	1,924
Crop disease	108	6	*	-	*	-	-	*
Frost or floods	29,263	4,375	1,574	539	423	*	205	192
Locust	5,516	847	108	*	191	*	*	*
Shortage of rain	9,441	602	190	*	*	*	*	*
Too much rain	25,360	1,025	223	44	130	*	*	*
Wild animals	2,795	149	6	*	9	*	*	*
Birds	45,598	7,412	1,904	744	1,554	*	321	481
Hailstone	4,226	587	121	*	165	*	*	*
Pests	6,282	790	*	*	175	*	*	*
Weeds	30,604	2,765	876	534	571	354	17	187
Others	40,232	4,270	1,353	274	816	213	195	447

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	34,872	11,101	3,286	1,342	1,788	1,555	454	474
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	7,742	*	*	*	*	*	*	*
Locust	2,671	580	*	*	*	*	*	*
Shortage of rain	*	*	*	-	-	*	*	*
Too much rain	3,177	*	*	*	*	*	*	*
Wild animals	*	*	*	-	-	-	-	-
Birds	13,051	3,575	1,135	*	874	*	*	*
Hailstone	1,572	312	*	*	74	*	-	*
Pests	1,583	335	*	*	*	*	-	*
Weeds	8,954	1,528	589	*	334	*	*	*
Others	12,739	1,870	704	*	162	*	*	*

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	50,164	5,962	1,750	613	897	187	*	1,045
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	13,870	1,216	*	173	105	*	*	*
Locust	*	*	*	*	-	*	-	*
Shortage of rain	*	68	*	-	*	*	-	*
Too much rain	16,317	250	74	*	36	*	*	*
Wild animals	1,750	*	*	*	*	*	-	*
Birds	20,591	1,593	403	60	170	*	*	373
Hailstone	2,188	220	*	-	*	*	-	-
Pests	4,170	*	*	*	*	*	-	*
Weeds	16,235	692	144	*	92	*	*	121
Others	19,675	1,299	199	*	335	*	*	*

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	14,862	3,338	658	*	729	*	*	135
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	4,232	479	101	*	81	*	*	*
Locust	*	*	-	-	-	*	*	-
Shortage of rain	290	*	*	-	*	-	-	-
Too much rain	2,450	199	33	*	*	-	*	*
Wild animals	*	*	-	*	*	-	-	*
Birds	8,589	1,849	242	*	382	*	*	67
Hailstone	*	*	-	-	*	-	-	-
Pests	240	*	*	-	*	-	*	-
Weeds	1,141	185	38	-	*	*	-	*
Others	3,420	530	231	*	156	*	*	*

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

**Pawe Special**

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	5,107	1,178	317	*	430	112	38	120
Crop disease	*	*	-	-	-	-	-	*
Frost or floods	914	97	*	*	52	*	*	*
Locust	744	105	*	*	29	*	*	*
Shortage of rain	*	*	-	*	*	*	-	-
Too much rain	320	34	*	-	*	*	-	*
Wild animals	167	5	-	*	*	*	*	*
Birds	1,674	247	49	*	92	24	*	*
Hailstone	235	14	*	-	*	*	*	*
Pests	211	24	*	-	*	*	*	*
Weeds	1,993	193	41	*	85	20	2	*
Others	2,775	454	158	*	148	23	*	61

Table 3.6.5 Number of Holders reporting Damaged Crop Area in Hectare by Category of Crops and Cause of Damage

**Mao Komo**

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	7,748	1,251	506	89	219	*	61	151
Crop disease	*	*	*	-	*	-	-	-
Frost or floods	2,505	426	134	26	*	*	*	37
Locust	336	*	*	-	*	-	*	*
Shortage of rain	849	*	*	*	*	-	*	*
Too much rain	3,096	230	81	12	31	*	*	*
Wild animals	496	*	4	-	*	-	-	*
Birds	1,694	148	*	*	*	-	-	12
Hailstone	*	*	*	-	*	-	-	-
Pests	*	*	*	-	-	-	*	-
Weeds	2,281	168	65	*	32	*	*	*
Others	1,623	117	61	*	16	-	*	10

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	1,984,365	181,070	62,076	14,116	1,384	5,455	5,720	25,359
Crop disease	2,148	11	*	*	-	-	-	*
Frost or floods	711,229	57,661	21,055	4,892	*	2,096	2,487	4,004
Locust	89,143	6,234	1,782	816	*	*	*	1,290
Shortage of rain	75,183	3,237	1,044	192	*	*	138	*
Too much rain	840,105	27,931	6,322	1,362	*	1,006	666	9,155
Wild animals	58,355	2,556	928	267	*	*	*	472
Birds	179,648	11,382	4,204	1,047	*	251	359	1,033
Hailstone	148,734	11,467	3,565	1,021	150	147	255	838
Pests	122,342	12,080	5,765	570	*	461	351	*
Weeds	288,163	10,386	3,049	515	*	180	430	1,357
Others	605,962	38,126	14,362	3,430	*	1,199	900	5,856

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	218,465	20,617	9,399	1,856	*	*	*	613
Crop disease	*	*	-	-	-	-	-	-
Frost or floods	87,755	7,745	*	*	*	*	*	158
Locust	*	*	*	*	-	*	*	*
Shortage of rain	*	*	*	-	-	*	*	-
Too much rain	83,987	3,391	1,292	*	-	*	*	155
Wild animals	3,958	*	*	-	-	*	-	-
Birds	18,898	952	*	*	*	*	*	-
Hailstone	11,036	*	*	*	-	*	-	*
Pests	14,035	1,821	*	*	*	*	-	*
Weeds	40,290	*	*	*	-	*	*	*
Others	87,778	3,250	1,000	*	-	*	*	*

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	155,153	21,430	10,407	897	*	313	439	1,911
Crop disease	*	*	-	-	-	-	-	-
Frost or floods	45,073	4,542	2,196	*	-	*	*	*
Locust	17,761	*	*	*	*	-	*	*
Shortage of rain	*	297	*	-	-	-	-	*
Too much rain	53,621	1,963	976	*	-	*	*	*
Wild animals	*	*	*	-	-	-	-	*
Birds	12,065	*	*	*	*	*	-	*
Hailstone	9,897	*	*	*	*	-	-	*
Pests	24,423	*	*	*	-	67	*	-
Weeds	12,186	541	241	*	*	*	*	*
Others	86,425	8,277	4,209	206	*	*	*	1,010

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	79,358	5,688	2,278	*	*	*	414	578
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	30,068	2,274	1,177	*	*	*	*	175
Locust	*	*	*	*	-	-	*	*
Shortage of rain	18,000	393	108	*	-	*	*	*
Too much rain	25,672	594	179	*	-	*	9	110
Wild animals	2,436	26	*	*	*	*	-	*
Birds	4,512	85	*	*	-	-	*	*
Hailstone	2,412	*	*	-	*	*	*	*
Pests	2,933	184	*	-	-	-	*	-
Weeds	4,624	*	*	*	-	-	*	*
Others	28,830	1,448	511	39	*	*	153	*

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	402,472	18,469	3,734	1,056	-	815	312	6,787
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	56,876	1,677	574	212	-	*	*	266
Locust	*	*	*	-	-	*	-	*
Shortage of rain	*	*	*	-	-	-	-	*
Too much rain	227,009	6,314	510	*	-	*	*	3,104
Wild animals	*	*	-	-	-	-	-	*
Birds	19,920	*	*	*	-	-	*	134
Hailstone	13,285	170	*	-	-	*	-	*
Pests	*	*	*	-	-	-	-	*
Weeds	76,757	1,703	237	*	-	*	*	701
Others	116,113	5,922	1,874	*	-	*	*	1,479

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	113,202	6,854	463	*	*	119	126	4,964
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	8,418	104	*	*	-	-	*	63
Locust	-	-	-	-	-	-	-	-
Shortage of rain	*	*	*	*	-	-	*	*
Too much rain	95,791	5,334	298	*	*	119	*	4,009
Wild animals	-	-	-	-	-	-	-	-
Birds	*	*	-	*	-	-	-	*
Hailstone	*	*	-	*	-	-	-	*
Pests	-	-	-	-	-	-	-	-
Weeds	19,293	*	*	-	-	*	*	205
Others	8,663	183	*	*	-	-	*	106

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	195,539	13,979	2,796	486	*	*	1,167	1,652
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	120,154	7,901	*	263	*	*	608	831
Locust	12,635	190	*	-	*	*	*	*
Shortage of rain	5,421	251	*	*	-	-	*	*
Too much rain	66,715	855	54	15	-	*	80	96
Wild animals	8,105	*	*	*	-	-	*	*
Birds	6,533	222	*	*	-	-	*	*
Hailstone	22,178	673	*	*	-	-	*	*
Pests	15,424	*	*	*	-	*	*	-
Weeds	30,824	887	*	*	-	*	184	*
Others	51,862	1,787	289	*	-	*	173	367

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	63,279	7,215	1,682	741	*	*	*	239
Crop disease	*	*	-	-	-	-	-	-
Frost or floods	26,387	1,801	577	*	*	*	*	48
Locust	*	*	*	-	-	-	-	*
Shortage of rain	*	*	-	*	-	-	-	-
Too much rain	20,535	613	167	*	*	*	*	*
Wild animals	2,080	*	*	-	-	-	-	*
Birds	6,050	799	*	*	-	*	*	*
Hailstone	8,380	1,056	*	*	-	-	*	*
Pests	*	*	*	*	-	-	-	-
Weeds	18,753	1,835	*	*	*	*	*	*
Others	10,320	740	*	*	-	*	*	*

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	29,545	3,108	472	*	-	*	171	1,014
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	13,923	1,192	87	*	-	*	*	*
Locust	455	*	-	*	-	-	-	-
Shortage of rain	*	*	*	-	-	-	-	-
Too much rain	15,669	620	63	*	-	*	*	347
Wild animals	1,596	*	*	*	-	*	-	*
Birds	4,719	*	*	*	-	*	*	*
Hailstone	933	*	*	-	-	-	*	*
Pests	*	*	-	-	-	-	*	*
Weeds	3,471	*	*	*	-	*	*	*
Others	8,201	560	*	*	-	*	*	182

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	146,710	17,566	4,761	3,056	*	512	*	2,493
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	73,210	5,463	1,378	797	*	*	*	893
Locust	*	*	-	-	-	-	-	*
Shortage of rain	2,698	111	*	*	*	-	-	*
Too much rain	60,455	2,610	620	247	*	*	*	*
Wild animals	13,876	798	230	248	*	*	*	*
Birds	36,143	3,257	1,099	*	*	*	*	255
Hailstone	7,275	*	*	*	-	*	-	*
Pests	4,596	198	*	*	-	*	*	*
Weeds	20,308	668	217	*	*	*	*	*
Others	56,169	4,119	1,109	1,088	*	98	*	530

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	214,270	27,327	9,562	891	-	549	1,487	2,534
Crop disease	*	*	-	-	-	-	-	-
Frost or floods	138,333	13,406	4,424	529	-	436	1,077	413
Locust	*	*	*	*	-	-	-	*
Shortage of rain	*	*	*	*	-	-	*	*
Too much rain	66,582	1,922	*	*	-	*	102	61
Wild animals	6,162	*	*	-	-	-	*	*
Birds	18,585	1,142	*	*	-	-	*	*
Hailstone	22,890	*	*	*	-	-	*	*
Pests	*	*	*	-	-	*	*	*
Weeds	12,191	*	*	*	-	-	*	*
Others	35,798	3,352	*	*	-	-	101	*

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	46,714	3,087	*	*	-	130	*	590
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	7,506	375	191	*	-	*	*	*
Locust	-	-	-	-	-	-	-	-
Shortage of rain	-	-	-	-	-	-	-	-
Too much rain	21,934	567	196	*	-	*	*	185
Wild animals	*	*	*	-	-	-	-	-
Birds	9,396	*	*	*	-	*	*	*
Hailstone	*	*	*	*	-	-	-	*
Pests	*	*	-	-	-	-	-	*
Weeds	3,110	73	*	-	-	-	-	*
Others	13,545	1,197	*	*	-	*	*	*

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	13,875	1,765	884	211	*	*	*	168
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	5,016	334	170	63	*	*	*	*
Locust	*	*	*	-	-	-	-	-
Shortage of rain	*	*	*	-	-	-	-	-
Too much rain	5,661	187	115	*	*	*	*	5
Wild animals	*	*	*	*	-	-	-	-
Birds	1,675	75	39	*	*	*	*	*
Hailstone	4,283	386	165	33	*	-	*	*
Pests	611	56	*	*	-	-	-	*
Weeds	1,257	30	7	*	-	*	*	*
Others	8,262	675	339	67	*	*	*	91

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	18,574	1,009	374	137	*	*	*	144
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	5,576	391	129	37	-	*	*	*
Locust	*	*	-	-	-	-	-	*
Shortage of rain	*	*	*	*	-	-	-	*
Too much rain	9,993	309	137	16	*	*	*	40
Wild animals	*	*	-	-	-	-	-	-
Birds	860	18	*	*	-	-	-	*
Hailstone	*	*	*	*	-	-	-	*
Pests	*	*	*	-	-	-	-	-
Weeds	849	*	*	*	-	*	-	-
Others	1,594	50	*	*	-	*	-	*



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	5,404	1,121	268	227	-	*	-	18
Crop disease	*	*	-	*	-	-	-	-
Frost or floods	1,059	*	*	*	-	-	-	-
Locust	-	-	-	-	-	-	-	-
Shortage of rain	*	*	-	-	-	*	-	-
Too much rain	1,020	22	*	*	-	-	-	*
Wild animals	*	*	*	-	-	-	-	*
Birds	175	*	*	-	-	-	-	-
Hailstone	3,702	699	166	190	-	-	-	*
Pests	*	*	*	-	-	-	-	-
Weeds	517	5	*	*	-	*	-	*
Others	568	43	*	*	-	-	-	*

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	22,988	2,188	502	*	-	-	*	180
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	*	205	*	*	-	-	-	*
Locust	-	-	-	-	-	-	-	-
Shortage of rain	*	*	-	*	-	-	-	-
Too much rain	*	*	*	*	-	-	*	*
Wild animals	*	*	*	-	-	-	-	*
Birds	4,000	364	*	*	-	-	-	*
Hailstone	5,192	677	*	*	-	-	-	*
Pests	*	*	*	-	-	-	*	-
Weeds	12,040	402	*	*	-	-	*	*
Others	1,803	*	*	*	-	-	-	-

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	10,873	1,768	544	*	*	*	*	83
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	2,984	*	*	*	-	-	-	*
Locust	-	-	-	-	-	-	-	-
Shortage of rain	-	-	-	-	-	-	-	-
Too much rain	2,649	213	*	*	-	-	*	*
Wild animals	-	-	-	-	-	-	-	-
Birds	*	*	*	-	-	-	-	*
Hailstone	1,325	*	*	*	-	-	-	*
Pests	*	*	*	*	-	-	-	-
Weeds	5,658	*	*	*	*	*	*	*
Others	979	*	*	-	-	-	-	-

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	72,617	5,447	1,162	1,130	150	216	164	462
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	19,671	1,736	*	482	*	*	*	*
Locust	*	*	*	*	-	-	-	*
Shortage of rain	*	*	-	*	-	-	*	-
Too much rain	43,284	1,104	211	123	*	31	35	89
Wild animals	*	68	*	-	*	-	-	-
Birds	10,885	424	150	*	*	*	9	*
Hailstone	10,864	*	*	*	*	*	*	*
Pests	*	*	*	*	*	-	*	-
Weeds	7,973	142	*	*	*	-	*	*
Others	18,831	1,002	245	310	*	*	*	*

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

**Basketo Special Wereda**

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	11,073	688	275	*	-	*	*	40
Crop disease	*	*	*	-	-	-	-	-
Frost or floods	6,305	243	109	*	-	*	*	5
Locust	-	-	-	-	-	-	-	-
Shortage of rain	1,466	30	*	-	-	-	*	*
Too much rain	4,591	100	23	*	-	*	*	16
Wild animals	304	*	*	-	-	-	*	*
Birds	1,432	121	78	-	-	-	*	*
Hailstone	1,828	64	*	*	-	-	-	*
Pests	312	*	*	-	-	-	-	*
Weeds	1,462	12	7	*	-	-	*	*
Others	1,723	*	*	-	-	-	*	*

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	20,042	2,084	562	303	*	*	63	441
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	10,094	800	213	57	*	*	31	165
Locust	*	*	*	-	-	-	-	-
Shortage of rain	*	*	*	-	-	-	-	-
Too much rain	9,890	312	71	66	*	*	13	73
Wild animals	1,372	29	*	*	-	-	*	*
Birds	3,787	285	71	*	*	-	*	59
Hailstone	1,570	111	*	*	-	-	*	*
Pests	*	*	*	*	*	-	-	-
Weeds	1,891	*	16	*	-	*	*	*
Others	4,798	351	130	54	-	*	*	*

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	109,431	13,224	6,669	*	*	275	*	314
Crop disease	*	*	-	-	-	-	-	*
Frost or floods	42,921	6,083	3,274	*	*	*	-	*
Locust	*	*	*	*	-	-	-	-
Shortage of rain	6,814	233	*	*	-	-	*	-
Too much rain	15,883	395	*	*	-	*	-	*
Wild animals	3,777	37	*	-	-	*	-	-
Birds	7,904	*	*	*	-	*	-	*
Hailstone	8,843	*	*	*	*	*	-	*
Pests	17,917	1,658	735	*	-	*	*	*
Weeds	13,527	429	*	*	-	*	-	*
Others	48,767	3,258	1,603	*	*	*	-	165

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	34,783	6,436	3,998	289	*	478	*	133
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	7,360	677	416	*	*	*	-	*
Locust	*	*	*	-	-	-	-	-
Shortage of rain	4,227	524	379	*	-	*	-	-
Too much rain	5,416	369	192	*	-	*	*	*
Wild animals	*	*	*	-	-	*	-	-
Birds	10,439	973	585	*	-	*	-	*
Hailstone	4,967	428	*	*	*	*	-	-
Pests	12,914	1,762	1,145	65	*	*	*	*
Weeds	1,183	63	*	-	-	*	-	*
Others	14,932	1,605	939	*	*	197	-	*

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

**Gambela Region**

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	15,715	2,218	295	42	*	*	*	192
Crop disease	241	*	-	-	-	-	*	*
Frost or floods	3,115	270	*	*	*	*	*	*
Locust	*	*	*	-	-	-	-	-
Shortage of rain	*	*	*	-	-	-	-	-
Too much rain	1,617	*	*	*	-	*	-	*
Wild animals	*	*	-	-	-	-	-	*
Birds	2,050	*	24	*	-	-	*	*
Hailstone	1,512	*	*	*	*	-	*	*
Pests	2,078	313	59	*	*	-	*	*
Weeds	3,789	235	40	*	*	*	*	16
Others	4,417	482	*	*	*	*	*	66

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

**Agnuwak**

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	7,554	1,453	*	*	*	*	*	80
Crop disease	*	*	-	-	-	-	*	-
Frost or floods	1,749	143	*	-	*	*	*	*
Locust	*	*	-	-	-	-	-	-
Shortage of rain	*	*	*	-	-	-	-	-
Too much rain	*	*	-	-	-	-	-	-
Wild animals	*	*	-	-	-	-	-	*
Birds	*	*	*	*	-	-	-	*
Hailstone	*	*	*	*	*	-	*	*
Pests	*	*	-	-	-	-	*	*
Weeds	1,427	96	*	*	*	*	*	*
Others	3,290	*	*	*	*	*	*	*

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

**Nuware**

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

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

**Mezhenger**

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	4,191	271	38	*	-	*	*	110
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	1,035	44	*	-	-	-	-	*
Locust	*	*	*	-	-	-	-	-
Shortage of rain	-	-	-	-	-	-	-	-
Too much rain	1,436	*	*	*	-	*	-	*
Wild animals	*	*	-	-	-	-	-	-
Birds	1,013	19	*	*	-	-	*	9
Hailstone	*	*	*	-	-	-	-	*
Pests	*	*	-	-	-	-	-	-
Weeds	719	39	*	-	-	-	-	*
Others	1,127	52	*	-	-	-	-	27

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

**Itang Special**

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	2,806	421	91	*	*	-	-	2
Crop disease	181	5	-	-	-	-	-	*
Frost or floods	331	84	*	*	-	-	-	*
Locust	-	-	-	-	-	-	-	-
Shortage of rain	*	*	*	-	-	-	-	-
Too much rain	-	-	-	-	-	-	-	-
Wild animals	-	-	-	-	-	-	-	-
Birds	*	*	*	*	-	-	-	-
Hailstone	323	18	5	-	-	-	-	-
Pests	1,520	282	59	*	*	-	-	-
Weeds	479	27	13	-	-	-	-	*
Others	-	-	-	-	-	-	-	-

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

**Harari Region**

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	16,151	3,369	606	*	200	-	*	1,138
Crop disease	*	*	*	-	-	-	-	-
Frost or floods	839	20	*	-	*	-	-	*
Locust	1,273	*	*	-	-	-	*	*
Shortage of rain	*	*	*	-	-	-	-	-
Too much rain	3,968	544	81	*	*	-	*	247
Wild animals	-	-	-	-	-	-	-	-
Birds	515	64	*	-	*	-	-	*
Hailstone	9,526	1,649	335	*	90	-	*	574
Pests	1,614	59	*	-	-	-	*	*
Weeds	6,345	665	*	-	*	-	-	160
Others	3,560	309	30	-	*	-	*	113

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	11,780	1,659	255	40	*	*	130	124
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	651	*	*	-	-	-	*	*
Locust	*	*	*	*	-	-	*	*
Shortage of rain	*	*	-	*	-	-	-	-
Too much rain	4,172	310	*	8	*	*	*	*
Wild animals	-	-	-	-	-	-	-	-
Birds	397	*	*	-	-	-	*	*
Hailstone	5,555	688	119	*	-	*	56	*
Pests	294	*	*	*	-	-	*	*
Weeds	5,105	397	44	*	*	-	12	31
Others	2,440	174	*	*	-	-	*	*

Table 4. Number of Holders by Type of Farm practice

**Ethiopia**

Farm Practice	Number of Holders Reporting
Crop rotation	10,716,910
<b>Reasons for not participating in extension package</b>	
Ignorance	1,576,816
Shotage of money	3,411,329
Suspicion on efficiency	1,022,015
Programs unavailable	2,569,029
Insufficient arable land	1,540,832
Others	3,807,442
<b>Use of services</b>	
Credit	3,767,645
Advisory	6,614,930
<b>Reasons for not using credit service</b>	
Service unavailable	2,303,918
Failure to pay the loan	3,460,105
Inadequate service	2,751,730
Ignorance	527,752
No return	255,068
Others	861,246
<b>Reasons for not using advisory service</b>	
Service unavailable	2,283,944
Inadequate service	3,195,857
Ignorance	1,191,572
No return	229,856
Others	411,303
<b>Supplier of fertilizers</b>	
Government	2,483,922
Private organizations	432,330
Traders	1,207,631
Others	959,098

Table 4.1 Number of Holders by Type of Farm practice

**Tigray Region**

Farm Practice	Number of Holders Reporting
Crop rotation	856,592
<b>Reasons for not participating in extension package</b>	
Ignorance	66,047
Shotage of money	205,830
Suspicion on efficiency	68,090
Programs unavailable	95,478
Insufficient arable land	84,595
Others	405,800
<b>Use of services</b>	
Credit	468,465
Advisory	756,386
<b>Reasons for not using credit service</b>	
Service unavailable	10,899
Failure to pay the loan	262,819
Inadequate service	24,015
Ignorance	22,520
No return	17,657
Others	119,465
<b>Reasons for not using advisory service</b>	
Service unavailable	29,847
Inadequate service	42,727
Ignorance	52,924
No return	11,449
Others	32,506
<b>Supplier of fertilizers</b>	
Government	278,153
Private organizations	51,141
Traders	12,740
Others	30,206

Table 4.1.1 Number of Holders by Type of Farm practice

**North West Tigray**

Farm Practice	Number of Holders Reporting
Crop rotation	159,539
<b>Reasons for not participating in extension package</b>	
Ignorance	20,068
Shotage of money	36,800
Suspicion on efficiency	10,517
Programs unavailable	15,667
Insufficient arable land	12,574
Others	72,322
<b>Use of services</b>	
Credit	104,634
Advisory	141,036
<b>Reasons for not using credit service</b>	
Service unavailable	*
Failure to pay the loan	42,977
Inadequate service	*
Ignorance	8,614
No return	3,027
Others	5,036
<b>Reasons for not using advisory service</b>	
Service unavailable	*
Inadequate service	*
Ignorance	11,858
No return	2,964
Others	*
<b>Supplier of fertilizers</b>	
Government	61,238
Private organizations	11,218
Traders	3,738
Others	*

Table 4.1.2 Number of Holders by Type of Farm practice

**Central Tigray**

Farm Practice	Number of Holders Reporting
Crop rotation	267,961
<b>Reasons for not participating in extension package</b>	
Ignorance	14,005
Shotage of money	61,329
Suspicion on efficiency	23,176
Programs unavailable	17,181
Insufficient arable land	23,094
Others	141,707
<b>Use of services</b>	
Credit	159,778
Advisory	242,172
<b>Reasons for not using credit service</b>	
Service unavailable	*
Failure to pay the loan	81,713
Inadequate service	2,372
Ignorance	5,124
No return	2,157
Others	28,655
<b>Reasons for not using advisory service</b>	
Service unavailable	3,790
Inadequate service	11,167
Ignorance	*
No return	*
Others	6,875
<b>Supplier of fertilizers</b>	
Government	144,407
Private organizations	*
Traders	2,492
Others	*

Table 4.1.3 Number of Holders by Type of Farm practice

**East Tigray**

Farm Practice	Number of Holders Reporting
Crop rotation	141,396
<b>Reasons for not participating in extension package</b>	
Ignorance	6,377
Shotage of money	41,484
Suspicion on efficiency	4,708
Programs unavailable	*
Insufficient arable land	16,620
Others	77,801
<b>Use of services</b>	
Credit	74,181
Advisory	128,216
<b>Reasons for not using credit service</b>	
Service unavailable	2,527
Failure to pay the loan	50,090
Inadequate service	*
Ignorance	*
No return	*
Others	24,063
<b>Reasons for not using advisory service</b>	
Service unavailable	3,541
Inadequate service	*
Ignorance	4,569
No return	*
Others	11,552
<b>Supplier of fertilizers</b>	
Government	38,127
Private organizations	5,810
Traders	5,274
Others	*

Table 4.1.4 Number of Holders by Type of Farm practice

**South Tigray**

Farm Practice	Number of Holders Reporting
Crop rotation	220,227
<b>Reasons for not participating in extension package</b>	
Ignorance	18,615
Shotage of money	55,840
Suspicion on efficiency	18,737
Programs unavailable	28,684
Insufficient arable land	27,448
Others	97,705
<b>Use of services</b>	
Credit	106,166
Advisory	197,750
<b>Reasons for not using credit service</b>	
Service unavailable	*
Failure to pay the loan	70,245
Inadequate service	*
Ignorance	*
No return	*
Others	57,260
<b>Reasons for not using advisory service</b>	
Service unavailable	*
Inadequate service	13,134
Ignorance	11,591
No return	4,910
Others	11,931
<b>Supplier of fertilizers</b>	
Government	28,553
Private organizations	20,032
Traders	*
Others	16,821



Table 4.1.5 Number of Holders by Type of Farm practice

**Western Tigray**

Farm Practice	Number of Holders Reporting
Crop rotation	67,469
<b>Reasons for not participating in extension package</b>	
Ignorance	6,983
Shortage of money	10,377
Suspicion on efficiency	10,951
Programs unavailable	25,134
Insufficient arable land	4,859
Others	16,265
<b>Use of services</b>	
Credit	23,707
Advisory	47,212
<b>Reasons for not using credit service</b>	
Service unavailable	6,553
Failure to pay the loan	17,794
Inadequate service	13,647
Ignorance	6,060
No return	2,358
Others	4,451
<b>Reasons for not using advisory service</b>	
Service unavailable	10,193
Inadequate service	*
Ignorance	9,712
No return	*
Others	1,628
<b>Supplier of fertilizers</b>	
Government	5,829
Private organizations	-
Traders	-
Others	-

Table 4.2 Number of Holders by Type of Farm practice

**Afar Region**

Farm Practice	Number of Holders Reporting
Crop rotation	8,961
<b>Reasons for not participating in extension package</b>	
Ignorance	919
Shortage of money	*
Suspicion on efficiency	*
Programs unavailable	16,765
Insufficient arable land	*
Others	43,207
<b>Use of services</b>	
Credit	*
Advisory	9,311
<b>Reasons for not using credit service</b>	
Service unavailable	54,548
Failure to pay the loan	895
Inadequate service	3,042
Ignorance	803
No return	*
Others	*
<b>Reasons for not using advisory service</b>	
Service unavailable	41,499
Inadequate service	6,578
Ignorance	*
No return	*
Others	*
<b>Supplier of fertilizers</b>	
Government	*
Private organizations	*
Traders	-
Others	-

Table 4.2.1 Number of Holders by Type of Farm practice

**Zone 1**

Farm Practice	Number of Holders Reporting
Crop rotation	2,843
<b>Reasons for not participating in extension package</b>	
Ignorance	919
Shortage of money	-
Suspicion on efficiency	*
Programs unavailable	11,770
Insufficient arable land	-
Others	21,050
<b>Use of services</b>	
Credit	268
Advisory	1,998
<b>Reasons for not using credit service</b>	
Service unavailable	29,502
Failure to pay the loan	708
Inadequate service	2,198
Ignorance	577
No return	*
Others	*
<b>Reasons for not using advisory service</b>	
Service unavailable	25,766
Inadequate service	3,319
Ignorance	*
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	6,118
<b>Reasons for not participating in extension package</b>	
Ignorance	-
Shortage of money	*
Suspicion on efficiency	*
Programs unavailable	4,995
Insufficient arable land	*
Others	22,157
<b>Use of services</b>	
Credit	*
Advisory	7,313
<b>Reasons for not using credit service</b>	
Service unavailable	25,047
Failure to pay the loan	*
Inadequate service	*
Ignorance	*
No return	*
Others	-
<b>Reasons for not using advisory service</b>	
Service unavailable	15,734
Inadequate service	*
Ignorance	*
No return	*
Others	*
<b>Supplier of fertilizers</b>	
Government	*
Private organizations	*
Traders	-
Others	-

Table 4.3 Number of Holders by Type of Farm practice

**Amhara Region**

Farm Practice	Number of Holders Reporting
Crop rotation	3,271,749
<b>Reasons for not participating in extension package</b>	
Ignorance	478,396
Shortage of money	711,910
Suspicion on efficiency	327,119
Programs unavailable	521,183
Insufficient arable land	280,534
Others	1,317,558
<b>Use of services</b>	
Credit	1,408,465
Advisory	2,501,116
<b>Reasons for not using credit service</b>	
Service unavailable	159,809
Failure to pay the loan	1,165,359
Inadequate service	296,070
Ignorance	145,789
No return	112,787
Others	348,422
<b>Reasons for not using advisory service</b>	
Service unavailable	283,652
Inadequate service	342,544
Ignorance	320,737
No return	64,164
Others	124,487
<b>Supplier of fertilizers</b>	
Government	680,719
Private organizations	107,400
Traders	174,018
Others	467,523

Table 4.3.1 Number of Holders by Type of Farm practice

**North Gonder**

Farm Practice	Number of Holders Reporting
Crop rotation	448,610
<b>Reasons for not participating in extension package</b>	
Ignorance	40,938
Shortage of money	134,229
Suspicion on efficiency	52,816
Programs unavailable	123,534
Insufficient arable land	34,482
Others	129,045
<b>Use of services</b>	
Credit	127,439
Advisory	277,205
<b>Reasons for not using credit service</b>	
Service unavailable	79,350
Failure to pay the loan	155,582
Inadequate service	81,201
Ignorance	18,561
No return	15,702
Others	37,210
<b>Reasons for not using advisory service</b>	
Service unavailable	112,022
Inadequate service	73,102
Ignorance	38,144
No return	3,966
Others	10,606
<b>Supplier of fertilizers</b>	
Government	115,850
Private organizations	*
Traders	28,231
Others	*

Table 4.3.2 Number of Holders by Type of Farm practice

**South Gonder**

Farm Practice	Number of Holders Reporting
Crop rotation	404,027
<b>Reasons for not participating in extension package</b>	
Ignorance	50,263
Shortage of money	116,611
Suspicion on efficiency	23,684
Programs unavailable	48,406
Insufficient arable land	43,176
Others	156,428
<b>Use of services</b>	
Credit	148,897
Advisory	304,112
<b>Reasons for not using credit service</b>	
Service unavailable	*
Failure to pay the loan	169,737
Inadequate service	33,757
Ignorance	16,773
No return	4,891
Others	39,901
<b>Reasons for not using advisory service</b>	
Service unavailable	29,610
Inadequate service	46,403
Ignorance	37,429
No return	*
Others	14,920
<b>Supplier of fertilizers</b>	
Government	116,823
Private organizations	12,490
Traders	25,007
Others	*

Table 4.3.3 Number of Holders by Type of Farm practice

**North Wolo**

Farm Practice	Number of Holders Reporting
Crop rotation	315,624
<b>Reasons for not participating in extension package</b>	
Ignorance	55,780
Shortage of money	103,000
Suspicion on efficiency	40,355
Programs unavailable	82,783
Insufficient arable land	26,015
Others	69,508
<b>Use of services</b>	
Credit	145,462
Advisory	293,441
<b>Reasons for not using credit service</b>	
Service unavailable	*
Failure to pay the loan	141,613
Inadequate service	30,929
Ignorance	13,569
No return	14,629
Others	27,721
<b>Reasons for not using advisory service</b>	
Service unavailable	27,456
Inadequate service	17,764
Ignorance	25,292
No return	*
Others	11,676
<b>Supplier of fertilizers</b>	
Government	39,454
Private organizations	*
Traders	3,607
Others	*

Table 4.3.4 Number of Holders by Type of Farm practice

**South Wolo**

Farm Practice	Number of Holders Reporting
Crop rotation	521,397
<b>Reasons for not participating in extension package</b>	
Ignorance	85,275
Shortage of money	111,964
Suspicion on efficiency	106,527
Programs unavailable	103,657
Insufficient arable land	35,009
Others	127,390
<b>Use of services</b>	
Credit	234,363
Advisory	448,592
<b>Reasons for not using credit service</b>	
Service unavailable	*
Failure to pay the loan	159,656
Inadequate service	43,069
Ignorance	28,981
No return	24,829
Others	75,047
<b>Reasons for not using advisory service</b>	
Service unavailable	*
Inadequate service	29,845
Ignorance	39,486
No return	11,024
Others	26,198
<b>Supplier of fertilizers</b>	
Government	108,237
Private organizations	*
Traders	10,402
Others	*

Table 4.3.5 Number of Holders by Type of Farm practice

**North Shewa**

Farm Practice	Number of Holders Reporting
Crop rotation	408,518
<b>Reasons for not participating in extension package</b>	
Ignorance	87,746
Shortage of money	83,297
Suspicion on efficiency	54,490
Programs unavailable	32,670
Insufficient arable land	38,772
Others	138,392
<b>Use of services</b>	
Credit	147,953
Advisory	288,722
<b>Reasons for not using credit service</b>	
Service unavailable	2,939
Failure to pay the loan	183,957
Inadequate service	21,940
Ignorance	25,594
No return	26,646
Others	26,338
<b>Reasons for not using advisory service</b>	
Service unavailable	19,908
Inadequate service	53,889
Ignorance	52,512
No return	11,967
Others	8,368
<b>Supplier of fertilizers</b>	
Government	84,745
Private organizations	41,538
Traders	31,306
Others	*

Table 4.3.6 Number of Holders by Type of Farm practice

**East Gojjam**

Farm Practice	Number of Holders Reporting
Crop rotation	413,830
<b>Reasons for not participating in extension package</b>	
Ignorance	73,038
Shortage of money	63,673
Suspicion on efficiency	8,548
Programs unavailable	51,784
Insufficient arable land	45,992
Others	205,784
<b>Use of services</b>	
Credit	205,153
Advisory	271,268
<b>Reasons for not using credit service</b>	
Service unavailable	*
Failure to pay the loan	146,750
Inadequate service	21,362
Ignorance	18,574
No return	7,440
Others	46,401
<b>Reasons for not using advisory service</b>	
Service unavailable	30,576
Inadequate service	43,120
Ignorance	64,945
No return	19,377
Others	19,532
<b>Supplier of fertilizers</b>	
Government	101,760
Private organizations	8,076
Traders	21,346
Others	169,091

Table 4.3.7 Number of Holders by Type of Farm practice

**West Gojjam**

Farm Practice	Number of Holders Reporting
Crop rotation	410,178
<b>Reasons for not participating in extension package</b>	
Ignorance	22,744
Shortage of money	42,081
Suspicion on efficiency	3,883
Programs unavailable	7,272
Insufficient arable land	27,486
Others	351,604
<b>Use of services</b>	
Credit	238,981
Advisory	347,537
<b>Reasons for not using credit service</b>	
Service unavailable	*
Failure to pay the loan	93,558
Inadequate service	26,075
Ignorance	13,046
No return	7,299
Others	60,880
<b>Reasons for not using advisory service</b>	
Service unavailable	14,737
Inadequate service	48,249
Ignorance	24,886
No return	3,702
Others	15,959
<b>Supplier of fertilizers</b>	
Government	83,171
Private organizations	14,955
Traders	41,724
Others	209,647

Table 4.3.8 Number of Holders by Type of Farm practice

**Waghamera**

Farm Practice	Number of Holders Reporting
Crop rotation	93,339
<b>Reasons for not participating in extension package</b>	
Ignorance	12,343
Shotage of money	26,050
Suspicion on efficiency	4,727
Programs unavailable	36,883
Insufficient arable land	9,603
Others	6,542
<b>Use of services</b>	
Credit	41,862
Advisory	76,642
<b>Reasons for not using credit service</b>	
Service unavailable	*
Failure to pay the loan	33,058
Inadequate service	9,527
Ignorance	1,974
No return	2,281
Others	3,714
<b>Reasons for not using advisory service</b>	
Service unavailable	*
Inadequate service	6,075
Ignorance	5,871
No return	1,922
Others	*
<b>Supplier of fertilizers</b>	
Government	*
Private organizations	-
Traders	-
Others	-

Table 4.3.9 Number of Holders by Type of Farm practice

**Awii**

Farm Practice	Number of Holders Reporting
Crop rotation	173,476
<b>Reasons for not participating in extension package</b>	
Ignorance	20,214
Shotage of money	24,791
Suspicion on efficiency	8,115
Programs unavailable	*
Insufficient arable land	11,895
Others	115,924
<b>Use of services</b>	
Credit	92,481
Advisory	147,564
<b>Reasons for not using credit service</b>	
Service unavailable	*
Failure to pay the loan	60,136
Inadequate service	4,633
Ignorance	3,769
No return	*
Others	12,940
<b>Reasons for not using advisory service</b>	
Service unavailable	*
Inadequate service	*
Ignorance	17,128
No return	-
Others	12,474
<b>Supplier of fertilizers</b>	
Government	30,063
Private organizations	*
Traders	11,657
Others	64,137

Table 4.3.10 Number of Holders by Type of Farm practice

**Oromia Zone**

Farm Practice	Number of Holders Reporting
Crop rotation	76,882
<b>Reasons for not participating in extension package</b>	
Ignorance	29,188
Shotage of money	5,619
Suspicion on efficiency	23,770
Programs unavailable	19,605
Insufficient arable land	7,785
Others	16,624
<b>Use of services</b>	
Credit	24,714
Advisory	42,544
<b>Reasons for not using credit service</b>	
Service unavailable	*
Failure to pay the loan	20,140
Inadequate service	20,224
Ignorance	4,816
No return	6,312
Others	18,057
<b>Reasons for not using advisory service</b>	
Service unavailable	20,933
Inadequate service	17,132
Ignorance	14,380
No return	*
Others	3,525
<b>Supplier of fertilizers</b>	
Government	*
Private organizations	*
Traders	*
Others	-

Table 4.3.11 Number of Holders by Type of Farm practice

**Argoba Special**

Farm Practice	Number of Holders Reporting
Crop rotation	5,867
<b>Reasons for not participating in extension package</b>	
Ignorance	867
Shotage of money	596
Suspicion on efficiency	203
Programs unavailable	4,457
Insufficient arable land	321
Others	315
<b>Use of services</b>	
Credit	1,160
Advisory	3,490
<b>Reasons for not using credit service</b>	
Service unavailable	570
Failure to pay the loan	1,174
Inadequate service	3,353
Ignorance	131
No return	*
Others	214
<b>Reasons for not using advisory service</b>	
Service unavailable	1,544
Inadequate service	601
Ignorance	664
No return	222
Others	239
<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	4,304,318
<b>Reasons for not participating in extension package</b>	
Ignorance	630,906
Shortage of money	1,554,621
Suspicion on efficiency	379,245
Programs unavailable	1,165,841
Insufficient arable land	547,797
Others	1,408,112
<b>Use of services</b>	
Credit	1,420,590
Advisory	2,254,706
<b>Reasons for not using credit service</b>	
Service unavailable	1,115,190
Failure to pay the loan	1,102,416
Inadequate service	1,502,849
Ignorance	191,900
No return	65,723
Others	287,854
<b>Reasons for not using advisory service</b>	
Service unavailable	1,101,834
Inadequate service	1,537,828
Ignorance	525,439
No return	80,861
Others	185,852
<b>Supplier of fertilizers</b>	
Government	1,058,708
Private organizations	219,410
Traders	489,443
Others	459,753

Table 4.4.1 Number of Holders by Type of Farm practice

<b>West Welega</b>	
Farm Practice	Number of Holders Reporting
Crop rotation	240,866
<b>Reasons for not participating in extension package</b>	
Ignorance	*
Shortage of money	135,825
Suspicion on efficiency	28,273
Programs unavailable	*
Insufficient arable land	30,192
Others	58,531
<b>Use of services</b>	
Credit	58,973
Advisory	136,008
<b>Reasons for not using credit service</b>	
Service unavailable	54,097
Failure to pay the loan	87,078
Inadequate service	38,138
Ignorance	*
No return	6,176
Others	11,691
<b>Reasons for not using advisory service</b>	
Service unavailable	*
Inadequate service	52,699
Ignorance	33,548
No return	10,478
Others	17,789
<b>Supplier of fertilizers</b>	
Government	57,871
Private organizations	18,637
Traders	16,050
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	207,043
<b>Reasons for not participating in extension package</b>	
Ignorance	6,675
Shotage of money	94,735
Suspicion on efficiency	23,949
Programs unavailable	*
Insufficient arable land	21,731
Others	66,501
<b>Use of services</b>	
Credit	82,935
Advisory	115,595
<b>Reasons for not using credit service</b>	
Service unavailable	16,772
Failure to pay the loan	68,078
Inadequate service	42,567
Ignorance	3,595
No return	2,754
Others	10,552
<b>Reasons for not using advisory service</b>	
Service unavailable	17,557
Inadequate service	44,646
Ignorance	34,212
No return	8,056
Others	7,185
<b>Supplier of fertilizers</b>	
Government	93,592
Private organizations	3,489
Traders	4,944
Others	*

Table 4.4.3 Number of Holders by Type of Farm practice

<b>Illubabor</b>	
Farm Practice	Number of Holders Reporting
Crop rotation	231,719
<b>Reasons for not participating in extension package</b>	
Ignorance	21,523
Shotage of money	105,848
Suspicion on efficiency	33,453
Programs unavailable	51,878
Insufficient arable land	24,067
Others	51,440
<b>Use of services</b>	
Credit	38,116
Advisory	142,665
<b>Reasons for not using credit service</b>	
Service unavailable	69,851
Failure to pay the loan	83,900
Inadequate service	73,046
Ignorance	8,510
No return	6,213
Others	8,573
<b>Reasons for not using advisory service</b>	
Service unavailable	45,655
Inadequate service	68,343
Ignorance	20,469
No return	6,317
Others	4,758
<b>Supplier of fertilizers</b>	
Government	45,842
Private organizations	*
Traders	*
Others	-

Table 4.4.4 Number of Holders by Type of Farm practice

**Jimma**

Farm Practice	Number of Holders Reporting
Crop rotation	529,511
<b>Reasons for not participating in extension package</b>	
Ignorance	32,913
Shortage of money	93,036
Suspicion on efficiency	29,374
Programs unavailable	187,005
Insufficient arable land	58,892
Others	204,720
<b>Use of services</b>	
Credit	101,813
Advisory	225,671
<b>Reasons for not using credit service</b>	
Service unavailable	233,315
Failure to pay the loan	106,094
Inadequate service	121,588
Ignorance	6,016
No return	10,869
Others	26,245
<b>Reasons for not using advisory service</b>	
Service unavailable	174,823
Inadequate service	151,943
Ignorance	22,555
No return	*
Others	29,734
<b>Supplier of fertilizers</b>	
Government	128,670
Private organizations	5,993
Traders	62,426
Others	*

Table 4.4.5 Number of Holders by Type of Farm practice

**West Shewa**

Farm Practice	Number of Holders Reporting
Crop rotation	423,061
<b>Reasons for not participating in extension package</b>	
Ignorance	44,987
Shortage of money	123,988
Suspicion on efficiency	20,193
Programs unavailable	89,909
Insufficient arable land	73,457
Others	127,464
<b>Use of services</b>	
Credit	199,851
Advisory	188,761
<b>Reasons for not using credit service</b>	
Service unavailable	101,428
Failure to pay the loan	83,774
Inadequate service	55,831
Ignorance	19,761
No return	*
Others	17,215
<b>Reasons for not using advisory service</b>	
Service unavailable	134,528
Inadequate service	102,175
Ignorance	29,539
No return	3,714
Others	21,281
<b>Supplier of fertilizers</b>	
Government	110,355
Private organizations	*
Traders	40,847
Others	159,558

Table 4.4.6 Number of Holders by Type of Farm practice

**North Shewa**

Farm Practice	Number of Holders Reporting
Crop rotation	279,325
<b>Reasons for not participating in extension package</b>	
Ignorance	52,639
Shortage of money	49,565
Suspicion on efficiency	16,947
Programs unavailable	122,839
Insufficient arable land	24,282
Others	50,699
<b>Use of services</b>	
Credit	90,173
Advisory	132,843
<b>Reasons for not using credit service</b>	
Service unavailable	50,766
Failure to pay the loan	67,320
Inadequate service	72,791
Ignorance	14,348
No return	3,913
Others	17,659
<b>Reasons for not using advisory service</b>	
Service unavailable	90,537
Inadequate service	56,626
Ignorance	30,405
No return	*
Others	*
<b>Supplier of fertilizers</b>	
Government	89,383
Private organizations	*
Traders	*
Others	39,402

Table 4.4.7 Number of Holders by Type of Farm practice

**East Shewa**

Farm Practice	Number of Holders Reporting
Crop rotation	231,872
<b>Reasons for not participating in extension package</b>	
Ignorance	47,342
Shortage of money	75,298
Suspicion on efficiency	7,930
Programs unavailable	74,822
Insufficient arable land	23,085
Others	76,649
<b>Use of services</b>	
Credit	111,286
Advisory	144,063
<b>Reasons for not using credit service</b>	
Service unavailable	42,466
Failure to pay the loan	55,877
Inadequate service	67,677
Ignorance	12,051
No return	*
Others	14,620
<b>Reasons for not using advisory service</b>	
Service unavailable	49,903
Inadequate service	54,893
Ignorance	37,889
No return	*
Others	*
<b>Supplier of fertilizers</b>	
Government	106,581
Private organizations	37,780
Traders	33,499
Others	*

Table 4.4.8 Number of Holders by Type of Farm practice

**Arsi**

Farm Practice	Number of Holders Reporting
Crop rotation	471,095
<b>Reasons for not participating in extension package</b>	
Ignorance	55,056
Shortage of money	114,624
Suspicion on efficiency	34,934
Programs unavailable	156,070
Insufficient arable land	54,216
Others	108,196
<b>Use of services</b>	
Credit	209,391
Advisory	216,789
<b>Reasons for not using credit service</b>	
Service unavailable	105,920
Failure to pay the loan	106,193
Inadequate service	50,139
Ignorance	10,731
No return	3,337
Others	37,387
<b>Reasons for not using advisory service</b>	
Service unavailable	134,454
Inadequate service	114,789
Ignorance	25,355
No return	12,619
Others	19,092
<b>Supplier of fertilizers</b>	
Government	119,695
Private organizations	32,832
Traders	55,466
Others	107,797

Table 4.4.9 Number of Holders by Type of Farm practice

**West Harerge**

Farm Practice	Number of Holders Reporting
Crop rotation	218,998
<b>Reasons for not participating in extension package</b>	
Ignorance	56,990
Shortage of money	114,393
Suspicion on efficiency	25,293
Programs unavailable	66,386
Insufficient arable land	31,915
Others	62,589
<b>Use of services</b>	
Credit	42,187
Advisory	105,400
<b>Reasons for not using credit service</b>	
Service unavailable	30,057
Failure to pay the loan	25,448
Inadequate service	244,287
Ignorance	3,096
No return	*
Others	12,070
<b>Reasons for not using advisory service</b>	
Service unavailable	64,451
Inadequate service	156,017
Ignorance	16,412
No return	2,073
Others	13,212
<b>Supplier of fertilizers</b>	
Government	21,579
Private organizations	*
Traders	8,094
Others	*

Table 4.4.10 Number of Holders by Type of Farm practice

**East Harerge**

Farm Practice	Number of Holders Reporting
Crop rotation	272,769
<b>Reasons for not participating in extension package</b>	
Ignorance	67,263
Shortage of money	287,772
Suspicion on efficiency	64,386
Programs unavailable	63,976
Insufficient arable land	44,676
Others	96,384
<b>Use of services</b>	
Credit	79,607
Advisory	174,178
<b>Reasons for not using credit service</b>	
Service unavailable	94,512
Failure to pay the loan	107,769
Inadequate service	290,044
Ignorance	17,547
No return	*
Others	29,500
<b>Reasons for not using advisory service</b>	
Service unavailable	72,468
Inadequate service	292,705
Ignorance	67,490
No return	*
Others	8,541
<b>Supplier of fertilizers</b>	
Government	27,465
Private organizations	34,142
Traders	79,317
Others	*

Table 4.4.11 Number of Holders by Type of Farm practice

**Bale**

Farm Practice	Number of Holders Reporting
Crop rotation	310,555
<b>Reasons for not participating in extension package</b>	
Ignorance	65,029
Shortage of money	73,760
Suspicion on efficiency	34,307
Programs unavailable	34,553
Insufficient arable land	32,925
Others	115,055
<b>Use of services</b>	
Credit	97,513
Advisory	187,053
<b>Reasons for not using credit service</b>	
Service unavailable	28,846
Failure to pay the loan	73,030
Inadequate service	98,689
Ignorance	22,919
No return	*
Others	29,371
<b>Reasons for not using advisory service</b>	
Service unavailable	21,514
Inadequate service	85,481
Ignorance	45,628
No return	3,031
Others	12,921
<b>Supplier of fertilizers</b>	
Government	42,383
Private organizations	*
Traders	*
Others	*

Table 4.4.12 Number of Holders by Type of Farm practice

<b>Borena</b>	
Farm Practice	Number of Holders Reporting
Crop rotation	50,639
<b>Reasons for not participating in extension package</b>	
Ignorance	37,897
Shortage of money	12,667
Suspicion on efficiency	12,083
Programs unavailable	64,245
Insufficient arable land	12,745
Others	44,244
<b>Use of services</b>	
Credit	11,232
Advisory	24,801
<b>Reasons for not using credit service</b>	
Service unavailable	65,115
Failure to pay the loan	7,051
Inadequate service	84,229
Ignorance	10,526
No return	*
Others	4,903
<b>Reasons for not using advisory service</b>	
Service unavailable	74,054
Inadequate service	65,972
Ignorance	15,135
No return	2,487
Others	*
<b>Supplier of fertilizers</b>	
Government	*
Private organizations	-
Traders	*
Others	-

Table 4.4.13 Number of Holders by Type of Farm practice

<b>South West Shewa</b>	
Farm Practice	Number of Holders Reporting
Crop rotation	209,353
<b>Reasons for not participating in extension package</b>	
Ignorance	30,214
Shortage of money	58,732
Suspicion on efficiency	14,587
Programs unavailable	32,472
Insufficient arable land	41,313
Others	62,843
<b>Use of services</b>	
Credit	121,640
Advisory	138,267
<b>Reasons for not using credit service</b>	
Service unavailable	19,686
Failure to pay the loan	43,105
Inadequate service	22,819
Ignorance	7,831
No return	*
Others	22,671
<b>Reasons for not using advisory service</b>	
Service unavailable	29,613
Inadequate service	35,574
Ignorance	28,411
No return	*
Others	7,505
<b>Supplier of fertilizers</b>	
Government	45,940
Private organizations	17,606
Traders	18,520
Others	107,964

Table 4.4.14 Number of Holders by Type of Farm practice

<b>Guji</b>	
Farm Practice	Number of Holders Reporting
Crop rotation	94,812
<b>Reasons for not participating in extension package</b>	
Ignorance	64,569
Shortage of money	25,625
Suspicion on efficiency	7,923
Programs unavailable	91,887
Insufficient arable land	16,788
Others	37,067
<b>Use of services</b>	
Credit	17,689
Advisory	36,191
<b>Reasons for not using credit service</b>	
Service unavailable	94,282
Failure to pay the loan	27,919
Inadequate service	69,937
Ignorance	20,194
No return	*
Others	10,397
<b>Reasons for not using advisory service</b>	
Service unavailable	96,010
Inadequate service	73,576
Ignorance	32,240
No return	*
Others	5,155
<b>Supplier of fertilizers</b>	
Government	7,212
Private organizations	*
Traders	*
Others	-

Table 4.4.15 Number of Holders by Type of Farm practice

<b>Kelem</b>	
Farm Practice	Number of Holders Reporting
Crop rotation	141,504
<b>Reasons for not participating in extension package</b>	
Ignorance	7,404
Shortage of money	77,298
Suspicion on efficiency	15,197
Programs unavailable	12,451
Insufficient arable land	18,732
Others	27,319
<b>Use of services</b>	
Credit	20,935
Advisory	45,834
<b>Reasons for not using credit service</b>	
Service unavailable	24,136
Failure to pay the loan	60,235
Inadequate service	37,349
Ignorance	8,123
No return	3,927
Others	3,698
<b>Reasons for not using advisory service</b>	
Service unavailable	6,821
Inadequate service	50,904
Ignorance	36,588
No return	13,715
Others	4,540
<b>Supplier of fertilizers</b>	
Government	15,360
Private organizations	*
Traders	*
Others	-



Table 4.4.16 Number of Holders by Type of Farm practice

<b>Horoguduru</b>	
Farm Practice	Number of Holders Reporting
Crop rotation	104,482
<b>Reasons for not participating in extension package</b>	
Ignorance	2,605
Shortage of money	35,301
Suspicion on efficiency	4,337
Programs unavailable	*
Insufficient arable land	5,776
Others	59,392
<b>Use of services</b>	
Credit	59,574
Advisory	80,759
<b>Reasons for not using credit service</b>	
Service unavailable	12,980
Failure to pay the loan	17,789
Inadequate service	15,867
Ignorance	1,675
No return	*
Others	4,968
<b>Reasons for not using advisory service</b>	
Service unavailable	9,007
Inadequate service	15,999
Ignorance	5,687
No return	*
Others	1,779
<b>Supplier of fertilizers</b>	
Government	70,616
Private organizations	*
Traders	7,815
Others	*

Table 4.4.17 Number of Holders by Type of Farm practice

<b>West Arsi</b>	
Farm Practice	Number of Holders Reporting
Crop rotation	286,712
<b>Reasons for not participating in extension package</b>	
Ignorance	31,063
Shortage of money	76,153
Suspicion on efficiency	6,078
Programs unavailable	90,226
Insufficient arable land	33,003
Others	159,019
<b>Use of services</b>	
Credit	77,675
Advisory	159,827
<b>Reasons for not using credit service</b>	
Service unavailable	70,962
Failure to pay the loan	81,756
Inadequate service	117,851
Ignorance	14,218
No return	6,748
Others	26,332
<b>Reasons for not using advisory service</b>	
Service unavailable	64,049
Inadequate service	115,486
Ignorance	43,876
No return	*
Others	9,559
<b>Supplier of fertilizers</b>	
Government	74,035
Private organizations	25,826
Traders	127,994
Others	*

Table 4.5 Number of Holders by Type of Farm practice

**Somalie Region**

Farm Practice	Number of Holders Reporting
Crop rotation	68,232
<b>Reasons for not participating in extension package</b>	
Ignorance	12,221
Shotage of money	*
Suspicion on efficiency	*
Programs unavailable	123,990
Insufficient arable land	*
Others	55,302
<b>Use of services</b>	
Credit	804
Advisory	1,075
<b>Reasons for not using credit service</b>	
Service unavailable	180,963
Failure to pay the loan	*
Inadequate service	*
Ignorance	*
No return	-
Others	*
<b>Reasons for not using advisory service</b>	
Service unavailable	183,908
Inadequate service	2,185
Ignorance	*
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	3,058
<b>Reasons for not participating in extension package</b>	
Ignorance	*
Shotage of money	*
Suspicion on efficiency	-
Programs unavailable	8,083
Insufficient arable land	-
Others	12,407
<b>Use of services</b>	
Credit	*
Advisory	578
<b>Reasons for not using credit service</b>	
Service unavailable	20,168
Failure to pay the loan	*
Inadequate service	*
Ignorance	-
No return	-
Others	-
<b>Reasons for not using advisory service</b>	
Service unavailable	20,150
Inadequate service	-
Ignorance	-
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	57,125
<b>Reasons for not participating in extension package</b>	
Ignorance	*
Shotage of money	*
Suspicion on efficiency	*
Programs unavailable	88,011
Insufficient arable land	*
Others	13,689
<b>Use of services</b>	
Credit	*
Advisory	*
<b>Reasons for not using credit service</b>	
Service unavailable	103,955
Failure to pay the loan	*
Inadequate service	*
Ignorance	-
No return	-
Others	*
<b>Reasons for not using advisory service</b>	
Service unavailable	103,333
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

**Liben**

Farm Practice	Number of Holders Reporting
Crop rotation	8,050
<b>Reasons for not participating in extension package</b>	
Ignorance	9,671
Shotage of money	*
Suspicion on efficiency	-
Programs unavailable	27,896
Insufficient arable land	-
Others	29,205
<b>Use of services</b>	
Credit	*
Advisory	*
<b>Reasons for not using credit service</b>	
Service unavailable	56,840
Failure to pay the loan	*
Inadequate service	*
Ignorance	*
No return	-
Others	-
<b>Reasons for not using advisory service</b>	
Service unavailable	60,425
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

**Benishangul – Gumuz Region**

Farm Practice	Number of Holders Reporting
Crop rotation	124,154
<b>Reasons for not participating in extension package</b>	
Ignorance	14,883
Shortage of money	65,273
Suspicion on efficiency	6,879
Programs unavailable	40,025
Insufficient arable land	11,633
Others	22,604
<b>Use of services</b>	
Credit	17,470
Advisory	71,483
<b>Reasons for not using credit service</b>	
Service unavailable	43,902
Failure to pay the loan	49,321
Inadequate service	31,747
Ignorance	7,788
No return	3,018
Others	8,051
<b>Reasons for not using advisory service</b>	
Service unavailable	47,771
Inadequate service	28,264
Ignorance	10,998
No return	1,381
Others	1,401
<b>Supplier of fertilizers</b>	
Government	9,326
Private organizations	1,901
Traders	13,562
Others	*

Table 4.6.1 Number of Holders by Type of Farm practice

**Metekel**

Farm Practice	Number of Holders Reporting
Crop rotation	45,420
<b>Reasons for not participating in extension package</b>	
Ignorance	8,295
Shortage of money	10,837
Suspicion on efficiency	1,425
Programs unavailable	16,493
Insufficient arable land	7,581
Others	8,807
<b>Use of services</b>	
Credit	5,090
Advisory	14,755
<b>Reasons for not using credit service</b>	
Service unavailable	16,651
Failure to pay the loan	14,871
Inadequate service	6,137
Ignorance	4,766
No return	720
Others	5,201
<b>Reasons for not using advisory service</b>	
Service unavailable	20,433
Inadequate service	11,789
Ignorance	5,538
No return	*
Others	*
<b>Supplier of fertilizers</b>	
Government	4,683
Private organizations	901
Traders	7,620
Others	-

Table 4.6.2 Number of Holders by Type of Farm practice

**Asosa**

Farm Practice	Number of Holders Reporting
Crop rotation	50,030
<b>Reasons for not participating in extension package</b>	
Ignorance	3,444
Shortage of money	41,917
Suspicion on efficiency	3,763
Programs unavailable	6,770
Insufficient arable land	2,445
Others	10,240
<b>Use of services</b>	
Credit	8,765
Advisory	45,697
<b>Reasons for not using credit service</b>	
Service unavailable	*
Failure to pay the loan	26,109
Inadequate service	21,144
Ignorance	2,332
No return	1,882
Others	*
<b>Reasons for not using advisory service</b>	
Service unavailable	6,735
Inadequate service	12,244
Ignorance	2,961
No return	*
Others	*
<b>Supplier of fertilizers</b>	
Government	*
Private organizations	*
Traders	4,440
Others	-

Table 4.6.3 Number of Holders by Type of Farm practice

**Kemashi**

Farm Practice	Number of Holders Reporting
Crop rotation	15,068
<b>Reasons for not participating in extension package</b>	
Ignorance	1,915
Shortage of money	7,773
Suspicion on efficiency	*
Programs unavailable	11,013
Insufficient arable land	*
Others	1,575
<b>Use of services</b>	
Credit	1,463
Advisory	5,755
<b>Reasons for not using credit service</b>	
Service unavailable	12,590
Failure to pay the loan	4,446
Inadequate service	3,930
Ignorance	*
No return	-
Others	*
<b>Reasons for not using advisory service</b>	
Service unavailable	13,218
Inadequate service	2,068
Ignorance	1,840
No return	*
Others	*
<b>Supplier of fertilizers</b>	
Government	*
Private organizations	-
Traders	*
Others	*

Table 4.6.4 Number of Holders by Type of Farm practice

**Pawe Special**

Farm Practice	Number of Holders Reporting
Crop rotation	5,702
<b>Reasons for not participating in extension package</b>	
Ignorance	470
Shortage of money	2,262
Suspicion on efficiency	485
Programs unavailable	395
Insufficient arable land	945
Others	1,598
<b>Use of services</b>	
Credit	1,998
Advisory	2,633
<b>Reasons for not using credit service</b>	
Service unavailable	*
Failure to pay the loan	2,315
Inadequate service	302
Ignorance	175
No return	217
Others	823
<b>Reasons for not using advisory service</b>	
Service unavailable	1,624
Inadequate service	1,437
Ignorance	249
No return	62
Others	152
<b>Supplier of fertilizers</b>	
Government	293
Private organizations	439
Traders	999
Others	*

Table 4.6.5 Number of Holders by Type of Farm practice

**Mao Komo**

Farm Practice	Number of Holders Reporting
Crop rotation	7,934
<b>Reasons for not participating in extension package</b>	
Ignorance	759
Shortage of money	2,485
Suspicion on efficiency	711
Programs unavailable	5,354
Insufficient arable land	235
Others	383
<b>Use of services</b>	
Credit	155
Advisory	2,643
<b>Reasons for not using credit service</b>	
Service unavailable	7,469
Failure to pay the loan	1,581
Inadequate service	234
Ignorance	149
No return	*
Others	*
<b>Reasons for not using advisory service</b>	
Service unavailable	5,762
Inadequate service	727
Ignorance	410
No return	*
Others	319
<b>Supplier of fertilizers</b>	
Government	*
Private organizations	*
Traders	*
Others	-

Table 4.7 Number of Holders by Type of Farm practice

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

Farm Practice	Number of Holders Reporting
Crop rotation	2,066,075
<b>Reasons for not participating in extension package</b>	
Ignorance	367,287
Shortage of money	863,677
Suspicion on efficiency	238,163
Programs unavailable	557,563
Insufficient arable land	611,337
Others	545,824
<b>Use of services</b>	
Credit	445,061
Advisory	1,017,326
<b>Reasons for not using credit service</b>	
Service unavailable	691,261
Failure to pay the loan	874,025
Inadequate service	870,633
Ignorance	152,231
No return	54,965
Others	95,675
<b>Reasons for not using advisory service</b>	
Service unavailable	546,386
Inadequate service	1,214,678
Ignorance	270,214
No return	70,056
Others	65,191
<b>Supplier of fertilizers</b>	
Government	454,967
Private organizations	51,602
Traders	510,186
Others	*

Table 4.7.1 Number of Holders by Type of Farm practice

**Gurage**

Farm Practice	Number of Holders Reporting
Crop rotation	209,991
<b>Reasons for not participating in extension package</b>	
Ignorance	40,057
Shortage of money	66,671
Suspicion on efficiency	20,978
Programs unavailable	51,712
Insufficient arable land	56,155
Others	62,136
<b>Use of services</b>	
Credit	85,969
Advisory	118,320
<b>Reasons for not using credit service</b>	
Service unavailable	37,953
Failure to pay the loan	103,659
Inadequate service	44,254
Ignorance	6,884
No return	9,067
Others	9,925
<b>Reasons for not using advisory service</b>	
Service unavailable	68,285
Inadequate service	80,414
Ignorance	20,998
No return	4,684
Others	5,009
<b>Supplier of fertilizers</b>	
Government	114,492
Private organizations	3,276
Traders	50,908
Others	-

Table 4.7.2 Number of Holders by Type of Farm practice

**Hadiya**

Farm Practice	Number of Holders Reporting
Crop rotation	223,287
<b>Reasons for not participating in extension package</b>	
Ignorance	21,277
Shortage of money	80,180
Suspicion on efficiency	7,754
Programs unavailable	41,906
Insufficient arable land	29,380
Others	50,459
<b>Use of services</b>	
Credit	86,718
Advisory	77,979
<b>Reasons for not using credit service</b>	
Service unavailable	30,382
Failure to pay the loan	45,273
Inadequate service	58,104
Ignorance	7,271
No return	2,250
Others	*
<b>Reasons for not using advisory service</b>	
Service unavailable	35,577
Inadequate service	94,799
Ignorance	19,317
No return	1,987
Others	1,296
<b>Supplier of fertilizers</b>	
Government	98,478
Private organizations	*
Traders	86,690
Others	-

Table 4.7.3 Number of Holders by Type of Farm practice

**Kembata – Tembaro**

Farm Practice	Number of Holders Reporting
Crop rotation	115,286
<b>Reasons for not participating in extension package</b>	
Ignorance	5,772
Shortage of money	48,802
Suspicion on efficiency	4,184
Programs unavailable	9,279
Insufficient arable land	28,818
Others	30,824
<b>Use of services</b>	
Credit	25,871
Advisory	35,251
<b>Reasons for not using credit service</b>	
Service unavailable	12,820
Failure to pay the loan	30,145
Inadequate service	55,185
Ignorance	1,729
No return	874
Others	1,055
<b>Reasons for not using advisory service</b>	
Service unavailable	11,741
Inadequate service	68,993
Ignorance	8,222
No return	*
Others	*
<b>Supplier of fertilizers</b>	
Government	21,987
Private organizations	*
Traders	66,260
Others	-



Table 4.7.4 Number of Holders by Type of Farm practice

<b>Sidama</b>	
Farm Practice	Number of Holders Reporting
Crop rotation	229,736
<b>Reasons for not participating in extension package</b>	
Ignorance	77,374
Shortage of money	108,902
Suspicion on efficiency	32,783
Programs unavailable	155,201
Insufficient arable land	143,618
Others	163,175
<b>Use of services</b>	
Credit	*
Advisory	67,635
<b>Reasons for not using credit service</b>	
Service unavailable	182,831
Failure to pay the loan	161,969
Inadequate service	252,699
Ignorance	40,484
No return	3,263
Others	21,021
<b>Reasons for not using advisory service</b>	
Service unavailable	133,541
Inadequate service	417,553
Ignorance	33,444
No return	8,442
Others	*
<b>Supplier of fertilizers</b>	
Government	81,350
Private organizations	20,187
Traders	129,572
Others	-

Table 4.7.5 Number of Holders by Type of Farm practice

<b>Gedio</b>	
Farm Practice	Number of Holders Reporting
Crop rotation	52,009
<b>Reasons for not participating in extension package</b>	
Ignorance	26,593
Shortage of money	18,156
Suspicion on efficiency	10,193
Programs unavailable	*
Insufficient arable land	85,752
Others	17,224
<b>Use of services</b>	
Credit	11,821
Advisory	19,912
<b>Reasons for not using credit service</b>	
Service unavailable	27,064
Failure to pay the loan	32,365
Inadequate service	83,488
Ignorance	11,181
No return	3,630
Others	6,756
<b>Reasons for not using advisory service</b>	
Service unavailable	11,945
Inadequate service	104,595
Ignorance	29,182
No return	8,544
Others	*
<b>Supplier of fertilizers</b>	
Government	4,006
Private organizations	-
Traders	*
Others	*

Table 4.7.6 Number of Holders by Type of Farm practice

**Wolayita**

Farm Practice	Number of Holders Reporting
Crop rotation	267,542
<b>Reasons for not participating in extension package</b>	
Ignorance	21,737
Shortage of money	114,115
Suspicion on efficiency	17,704
Programs unavailable	13,444
Insufficient arable land	84,772
Others	49,165
<b>Use of services</b>	
Credit	46,586
Advisory	141,279
<b>Reasons for not using credit service</b>	
Service unavailable	24,392
Failure to pay the loan	109,776
Inadequate service	81,612
Ignorance	26,563
No return	6,685
Others	5,324
<b>Reasons for not using advisory service</b>	
Service unavailable	21,151
Inadequate service	80,462
Ignorance	38,307
No return	16,915
Others	2,824
<b>Supplier of fertilizers</b>	
Government	22,290
Private organizations	*
Traders	111,068
Others	-

Table 4.7.7 Number of Holders by Type of Farm practice

**South Omo**

Farm Practice	Number of Holders Reporting
Crop rotation	51,799
<b>Reasons for not participating in extension package</b>	
Ignorance	32,491
Shortage of money	22,912
Suspicion on efficiency	8,145
Programs unavailable	36,136
Insufficient arable land	8,091
Others	7,963
<b>Use of services</b>	
Credit	1,782
Advisory	22,521
<b>Reasons for not using credit service</b>	
Service unavailable	54,977
Failure to pay the loan	14,970
Inadequate service	23,258
Ignorance	16,018
No return	3,617
Others	*
<b>Reasons for not using advisory service</b>	
Service unavailable	32,140
Inadequate service	41,548
Ignorance	16,146
No return	*
Others	*
<b>Supplier of fertilizers</b>	
Government	*
Private organizations	-
Traders	-
Others	-

Table 4.7.8 Number of Holders by Type of Farm practice

**Sheka**

Farm Practice	Number of Holders Reporting
Crop rotation	29,529
<b>Reasons for not participating in extension package</b>	
Ignorance	5,869
Shortage of money	10,204
Suspicion on efficiency	6,773
Programs unavailable	3,026
Insufficient arable land	13,931
Others	6,453
<b>Use of services</b>	
Credit	3,225
Advisory	23,612
<b>Reasons for not using credit service</b>	
Service unavailable	4,833
Failure to pay the loan	12,091
Inadequate service	21,258
Ignorance	816
No return	1,384
Others	2,649
<b>Reasons for not using advisory service</b>	
Service unavailable	*
Inadequate service	13,385
Ignorance	2,833
No return	1,116
Others	*
<b>Supplier of fertilizers</b>	
Government	*
Private organizations	-
Traders	-
Others	-

Table 4.7.9 Number of Holders by Type of Farm practice

**Keffa**

Farm Practice	Number of Holders Reporting
Crop rotation	186,833
<b>Reasons for not participating in extension package</b>	
Ignorance	17,327
Shortage of money	60,819
Suspicion on efficiency	29,000
Programs unavailable	30,877
Insufficient arable land	35,543
Others	35,180
<b>Use of services</b>	
Credit	25,141
Advisory	116,136
<b>Reasons for not using credit service</b>	
Service unavailable	37,564
Failure to pay the loan	66,402
Inadequate service	45,431
Ignorance	5,113
No return	9,358
Others	19,737
<b>Reasons for not using advisory service</b>	
Service unavailable	26,953
Inadequate service	42,613
Ignorance	12,367
No return	*
Others	5,724
<b>Supplier of fertilizers</b>	
Government	3,766
Private organizations	*
Traders	-
Others	-

Table 4.7.10 Number of Holders by Type of Farm practice

**Gamo Gofa**

Farm Practice	Number of Holders Reporting
Crop rotation	177,109
<b>Reasons for not participating in extension package</b>	
Ignorance	32,806
Shortage of money	135,115
Suspicion on efficiency	34,426
Programs unavailable	66,117
Insufficient arable land	42,544
Others	28,659
<b>Use of services</b>	
Credit	37,325
Advisory	136,197
<b>Reasons for not using credit service</b>	
Service unavailable	70,003
Failure to pay the loan	124,210
Inadequate service	81,756
Ignorance	9,504
No return	4,632
Others	*
<b>Reasons for not using advisory service</b>	
Service unavailable	64,304
Inadequate service	98,637
Ignorance	16,230
No return	12,607
Others	*
<b>Supplier of fertilizers</b>	
Government	3,649
Private organizations	-
Traders	*
Others	-

Table 4.7.11 Number of Holders by Type of Farm practice

**Benchi – Maji**

Farm Practice	Number of Holders Reporting
Crop rotation	95,288
<b>Reasons for not participating in extension package</b>	
Ignorance	11,725
Shortage of money	50,415
Suspicion on efficiency	19,906
Programs unavailable	23,370
Insufficient arable land	17,880
Others	18,143
<b>Use of services</b>	
Credit	9,337
Advisory	57,863
<b>Reasons for not using credit service</b>	
Service unavailable	64,333
Failure to pay the loan	36,556
Inadequate service	22,661
Ignorance	2,363
No return	1,763
Others	*
<b>Reasons for not using advisory service</b>	
Service unavailable	27,187
Inadequate service	41,927
Ignorance	9,601
No return	2,450
Others	2,410
<b>Supplier of fertilizers</b>	
Government	*
Private organizations	-
Traders	-
Others	-

Table 4.7.12 Number of Holders by Type of Farm practice

**Yem Special Wereda**

Farm Practice	Number of Holders Reporting
Crop rotation	16,838
<b>Reasons for not participating in extension package</b>	
Ignorance	1,256
Shotage of money	6,146
Suspicion on efficiency	1,806
Programs unavailable	*
Insufficient arable land	3,968
Others	4,313
<b>Use of services</b>	
Credit	5,861
Advisory	12,478
<b>Reasons for not using credit service</b>	
Service unavailable	*
Failure to pay the loan	7,059
Inadequate service	1,666
Ignorance	1,720
No return	855
Others	326
<b>Reasons for not using advisory service</b>	
Service unavailable	*
Inadequate service	1,469
Ignorance	2,349
No return	495
Others	698
<b>Supplier of fertilizers</b>	
Government	12,342
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	27,715
<b>Reasons for not participating in extension package</b>	
Ignorance	3,921
Shotage of money	7,574
Suspicion on efficiency	8,268
Programs unavailable	4,548
Insufficient arable land	4,125
Others	6,784
<b>Use of services</b>	
Credit	2,038
Advisory	5,798
<b>Reasons for not using credit service</b>	
Service unavailable	11,863
Failure to pay the loan	6,143
Inadequate service	11,100
Ignorance	*
No return	902
Others	*
<b>Reasons for not using advisory service</b>	
Service unavailable	*
Inadequate service	24,173
Ignorance	1,650
No return	*
Others	*
<b>Supplier of fertilizers</b>	
Government	*
Private organizations	-
<b>Traders</b>	-
Others	-

Table 4.7.14 Number of Holders by Type of Farm practice

**Burji Special Wereda**

Farm Practice	Number of Holders Reporting
Crop rotation	7,171
<b>Reasons for not participating in extension package</b>	
Ignorance	*
Shotage of money	1,587
Suspicion on efficiency	1,136
Programs unavailable	*
Insufficient arable land	835
Others	5,208
<b>Use of services</b>	
Credit	1,062
Advisory	1,689
<b>Reasons for not using credit service</b>	
Service unavailable	1,428
Failure to pay the loan	1,717
Inadequate service	5,624
Ignorance	*
No return	*
Others	*
<b>Reasons for not using advisory service</b>	
Service unavailable	866
Inadequate service	7,227
Ignorance	*
No return	*
Others	*
<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	25,079
<b>Reasons for not participating in extension package</b>	
Ignorance	13,805
Shotage of money	15,376
Suspicion on efficiency	3,061
Programs unavailable	21,437
Insufficient arable land	*
Others	2,556
<b>Use of services</b>	
Credit	13,613
Advisory	33,691
<b>Reasons for not using credit service</b>	
Service unavailable	12,619
Failure to pay the loan	17,373
Inadequate service	7,275
Ignorance	4,101
No return	*
Others	*
<b>Reasons for not using advisory service</b>	
Service unavailable	10,189
Inadequate service	5,967
Ignorance	6,250
No return	*
Others	867
<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	18,455
<b>Reasons for not participating in extension package</b>	
Ignorance	4,591
Shotage of money	4,955
Suspicion on efficiency	3,257
Programs unavailable	9,613
Insufficient arable land	1,139
Others	3,439
<b>Use of services</b>	
Credit	1,185
Advisory	6,694
<b>Reasons for not using credit service</b>	
Service unavailable	7,966
Failure to pay the loan	7,013
Inadequate service	7,848
Ignorance	*
No return	*
Others	*
<b>Reasons for not using advisory service</b>	
Service unavailable	7,501
Inadequate service	8,468
Ignorance	2,693
No return	882
Others	*
<b>Supplier of fertilizers</b>	
Government	*
Private organizations	-
Traders	-
Others	-

Table 4.7.17 Number of Holders by Type of Farm practice

**Dawro**

Farm Practice	Number of Holders Reporting
Crop rotation	96,726
<b>Reasons for not participating in extension package</b>	
Ignorance	10,803
Shotage of money	26,986
Suspicion on efficiency	10,792
Programs unavailable	25,797
Insufficient arable land	26,104
Others	11,764
<b>Use of services</b>	
Credit	3,653
Advisory	35,546
<b>Reasons for not using credit service</b>	
Service unavailable	44,257
Failure to pay the loan	27,664
Inadequate service	28,259
Ignorance	5,316
No return	*
Others	2,266
<b>Reasons for not using advisory service</b>	
Service unavailable	28,011
Inadequate service	27,210
Ignorance	17,610
No return	*
Others	*
<b>Supplier of fertilizers</b>	
Government	*
Private organizations	-
Traders	*
Others	-

Table 4.7.18 Number of Holders by Type of Farm practice

**Basketo Special Wereda**

Farm Practice	Number of Holders Reporting
Crop rotation	11,049
<b>Reasons for not participating in extension package</b>	
Ignorance	1,069
Shotage of money	9,265
Suspicion on efficiency	897
Programs unavailable	*
Insufficient arable land	1,727
Others	2,008
<b>Use of services</b>	
Credit	5,760
Advisory	5,744
<b>Reasons for not using credit service</b>	
Service unavailable	*
Failure to pay the loan	6,818
Inadequate service	1,017
Ignorance	733
No return	174
Others	585
<b>Reasons for not using advisory service</b>	
Service unavailable	415
Inadequate service	6,110
Ignorance	2,650
No return	235
Others	144
<b>Supplier of fertilizers</b>	
Government	460
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	23,672
<b>Reasons for not participating in extension package</b>	
Ignorance	3,549
Shotage of money	4,117
Suspicion on efficiency	2,803
Programs unavailable	7,341
Insufficient arable land	4,636
Others	3,574
<b>Use of services</b>	
Credit	1,284
Advisory	13,692
<b>Reasons for not using credit service</b>	
Service unavailable	7,130
Failure to pay the loan	10,825
Inadequate service	3,673
Ignorance	1,531
No return	754
Others	825
<b>Reasons for not using advisory service</b>	
Service unavailable	5,616
Inadequate service	2,863
Ignorance	2,873
No return	*
Others	719
<b>Supplier of fertilizers</b>	
Government	*
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	159,646
<b>Reasons for not participating in extension package</b>	
Ignorance	29,253
Shortage of money	59,749
Suspicion on efficiency	12,260
Programs unavailable	22,414
Insufficient arable land	20,552
Others	30,361
<b>Use of services</b>	
Credit	55,186
Advisory	75,163
<b>Reasons for not using credit service</b>	
Service unavailable	39,391
Failure to pay the loan	44,789
Inadequate service	23,715
Ignorance	*
No return	*
Others	2,574
<b>Reasons for not using advisory service</b>	
Service unavailable	42,105
Inadequate service	31,343
Ignorance	23,384
No return	*
Others	2,265
<b>Supplier of fertilizers</b>	
Government	88,770
Private organizations	*
Traders	35,771
Others	*

Table 4.7.21 Number of Holders by Type of Farm practice

**Alaba Special Wereda**

Farm Practice	Number of Holders Reporting
Crop rotation	41,313
<b>Reasons for not participating in extension package</b>	
Ignorance	5,360
Shortage of money	11,632
Suspicion on efficiency	2,037
Programs unavailable	15,947
Insufficient arable land	895
Others	6,437
<b>Use of services</b>	
Credit	*
Advisory	10,125
<b>Reasons for not using credit service</b>	
Service unavailable	19,205
Failure to pay the loan	7,208
Inadequate service	10,749
Ignorance	*
No return	*
Others	*
<b>Reasons for not using advisory service</b>	
Service unavailable	12,894
Inadequate service	14,923
Ignorance	3,885
No return	*
Others	*
<b>Supplier of fertilizers</b>	
Government	*
Private organizations	*
Traders	26,876
Others	-

Table 4.8 Number of Holders by Type of Farm practice

**Gambela Region**

Farm Practice	Number of Holders Reporting
Crop rotation	11,234
<b>Reasons for not participating in extension package</b>	
Ignorance	1,571
Shotage of money	441
Suspicion on efficiency	*
Programs unavailable	37,267
Insufficient arable land	1,143
Others	1,799
<b>Use of services</b>	
Credit	597
Advisory	641
<b>Reasons for not using credit service</b>	
Service unavailable	39,987
Failure to pay the loan	677
Inadequate service	604
Ignorance	455
No return	132
Others	*
<b>Reasons for not using advisory service</b>	
Service unavailable	37,519
Inadequate service	3,581
Ignorance	387
No return	76
Others	323
<b>Supplier of fertilizers</b>	
Government	-
Private organizations	*
Traders	-
Others	-

Table 4.8.1 Number of Holders by Type of Farm practice

**Agnuwak**

Farm Practice	Number of Holders Reporting
Crop rotation	2,333
<b>Reasons for not participating in extension package</b>	
Ignorance	336
Shotage of money	*
Suspicion on efficiency	*
Programs unavailable	12,351
Insufficient arable land	*
Others	*
<b>Use of services</b>	
Credit	*
Advisory	447
<b>Reasons for not using credit service</b>	
Service unavailable	14,040
Failure to pay the loan	*
Inadequate service	*
Ignorance	-
No return	-
Others	*
<b>Reasons for not using advisory service</b>	
Service unavailable	11,321
Inadequate service	2,642
Ignorance	-
No return	-
Others	*
<b>Supplier of fertilizers</b>	
Government	-
Private organizations	*
Traders	-
Others	-

Table 4.8.2 Number of Holders by Type of Farm practice

Nuware	
Farm Practice	Number of Holders Reporting
Crop rotation	414
<b>Reasons for not participating in extension package</b>	
Ignorance	*
Shortage of money	*
Suspicion on efficiency	*
Programs unavailable	6,016
Insufficient arable land	-
Others	244
<b>Use of services</b>	
Credit	*
Advisory	*
<b>Reasons for not using credit service</b>	
Service unavailable	6,444
Failure to pay the loan	*
Inadequate service	-
Ignorance	*
No return	-
Others	-
<b>Reasons for not using advisory service</b>	
Service unavailable	6,535
Inadequate service	*
Ignorance	*
No return	*
Others	*
<b>Supplier of fertilizers</b>	
Government	-
Private organizations	-
Traders	-
Others	-

Table 4.8.3 Number of Holders by Type of Farm practice

Mezhenger	
Farm Practice	Number of Holders Reporting
Crop rotation	7,725
<b>Reasons for not participating in extension package</b>	
Ignorance	*
Shortage of money	*
Suspicion on efficiency	*
Programs unavailable	13,634
Insufficient arable land	*
Others	372
<b>Use of services</b>	
Credit	*
Advisory	*
<b>Reasons for not using credit service</b>	
Service unavailable	14,017
Failure to pay the loan	*
Inadequate service	*
Ignorance	-
No return	*
Others	-
<b>Reasons for not using advisory service</b>	
Service unavailable	14,182
Inadequate service	*
Ignorance	-
No return	-
Others	*
<b>Supplier of fertilizers</b>	
Government	-
Private organizations	-
Traders	-
Others	-

Table 4.8.4 Number of Holders by Type of Farm practice

**Itang Special**

Farm Practice	Number of Holders Reporting
Crop rotation	762
<b>Reasons for not participating in extension package</b>	
Ignorance	693
Shortage of money	112
Suspicion on efficiency	-
Programs unavailable	5,266
Insufficient arable land	28
Others	98
<b>Use of services</b>	
Credit	33
Advisory	80
<b>Reasons for not using credit service</b>	
Service unavailable	5,486
Failure to pay the loan	211
Inadequate service	*
Ignorance	355
No return	85
Others	*
<b>Reasons for not using advisory service</b>	
Service unavailable	5,481
Inadequate service	60
Ignorance	344
No return	*
Others	181
<b>Supplier of fertilizers</b>	
Government	-
Private organizations	-
Traders	-
Others	-

Table 4.9 Number of Holders by Type of Farm practice

**Harari Region**

Farm Practice	Number of Holders Reporting
Crop rotation	3,534
<b>Reasons for not participating in extension package</b>	
Ignorance	2,057
Shortage of money	4,931
Suspicion on efficiency	839
Programs unavailable	3,791
Insufficient arable land	2,235
Others	4,602
<b>Use of services</b>	
Credit	1,242
Advisory	923
<b>Reasons for not using credit service</b>	
Service unavailable	5,445
Failure to pay the loan	2,135
Inadequate service	8,309
Ignorance	387
No return	*
Others	822
<b>Reasons for not using advisory service</b>	
Service unavailable	5,702
Inadequate service	10,537
Ignorance	*
No return	*
Others	*
<b>Supplier of fertilizers</b>	
Government	1,281
Private organizations	*
Traders	6,583
Others	-

Table 4.10 Number of Holders by Type of Farm practice

**Dire Dawa**

Farm Practice	Number of Holders Reporting
Crop rotation	2,063
<b>Reasons for not participating in extension package</b>	
Ignorance	2,528
Shortage of money	2,596
Suspicion on efficiency	*
Programs unavailable	7,127
Insufficient arable land	1,186
Others	2,636
<b>Use of services</b>	
Credit	2,430
Advisory	1,963
<b>Reasons for not using credit service</b>	
Service unavailable	1,913
Failure to pay the loan	1,998
Inadequate service	9,058
Ignorance	701
No return	*
Others	627
<b>Reasons for not using advisory service</b>	
Service unavailable	5,824
Inadequate service	6,936
Ignorance	1,285
No return	*
Others	*
<b>Supplier of fertilizers</b>	
Government	471
Private organizations	*
Traders	366
Others	-

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

<i>Geographic area</i>		River	Lake	Pond	Others	Total
<b>Ethiopia</b>	Holders	887,512	62,770	117,365	91,843	115,675
	Hectare	145,640	6,749	9,804	8,098	9,545
<b>Tigray Region</b>	Holders	131,516	5,813	20,787	36,397	8,413
	Hectare	19,176	219	576	910	*
North West Tigray	Holders	10,906	*	2,045	1,798	*
	Hectare	536	*	*	*	*
Central Tigray	Holders	35,012	2,696	7,370	11,391	*
	Hectare	3,547	*	111	*	*
East Tigray	Holders	11,890	*	6,872	17,268	*
	Hectare	865	*	340	273	*
South Tigray	Holders	66,581	1,845	*	5,786	*
	Hectare	13,529	*	*	309	*
Western Tigray	Holders	7,128	-	*	*	*
	Hectare	*	-	*	*	*
<b>Afar Region</b>	Holders	14,995	*	-	*	-
	Hectare	12,376	*	-	*	-
Zone 1	Holders	11,878	*	-	-	-
	Hectare	11,702	*	-	-	-
Zone 3	Holders	3,117	*	-	*	-
	Hectare	674	*	-	*	-
<b>Amhara Region</b>	Holders	319,059	14,790	28,221	16,710	68,118
	Hectare	36,114	1,746	*	511	1,951
North Gondar	Holders	19,135	*	-	*	-
	Hectare	1,981	*	-	*	-
South Gondar	Holders	27,221	4,435	3,498	*	*
	Hectare	2,007	*	*	*	*
North Wollo	Holders	15,605	*	*	2,654	*
	Hectare	1,066	*	*	*	*
South Wollo	Holders	43,010	*	*	*	*
	Hectare	*	*	*	*	*
North Shewa	Holders	52,414	*	3,727	2,016	23,840
	Hectare	3,214	*	*	*	508
East Gojjam	Holders	47,884	*	*	*	8,846
	Hectare	3,488	*	*	*	225
West Gojjam	Holders	66,023	*	*	*	*
	Hectare	7,853	*	*	*	*
Waghamera	Holders	6,514	*	*	*	-
	Hectare	*	*	*	*	-
Awi	Holders	32,448	*	-	*	2,322
	Hectare	9,601	*	-	*	*
Oromia Zone	Holders	8,456	*	*	923	*
	Hectare	1,138	*	*	*	*
Argoba Special	Holder	351	-	*	-	67
	Hectar	*	-	*	-	*
<b>Oromia Region</b>	Holders	350,678	18,385	63,405	28,488	35,104
	Hectare	57,654	1,624	7,298	*	*
West Welega	Holders	*	*	-	-	*
	Hectare	*	*	-	-	*
East Welega	Holders	7,332	*	*	-	*
	Hectare	833	*	*	-	*
Illubabor	Holders	1,831	-	*	*	-
	Hectare	*	-	*	*	-
Jimma	Holders	*	*	-	*	-
	Hectare	1,669	*	-	*	-
West Shewa	Holders	35,586	2,244	*	*	2,184
	Hectare	*	*	*	*	*
North Shewa	Holders	20,038	-	*	*	*
	Hectare	*	-	*	*	*

Table 5 (cont'd)

Geographic area		River	Lake	Pond	Others	Total
East Shewa	Holders	5,340	*	*	-	*
	Hectare	2,916	*	*	-	*
Arsi	Holders	28,683	-	*	*	*
	Hectare	7,285	-	*	*	*
West Harerge	Holders	49,834	*	*	*	*
	Hectare	12,240	*	*	*	*
East Harerge	Holders	129,507	*	*	*	*
	Hectare	19,070	*	*	*	*
Bale	Holders	15,644	*	*	-	-
	Hectare	2,751	*	*	-	-
Borena	Holders	*	*	*	-	*
	Hectare	*	*	*	-	*
South West Shewa	Holders	15,436	*	*	*	*
	Hectare	2,410	*	*	*	*
Guji	Holders	-	*	-	-	-
	Hectare	-	*	-	-	-
Kelem	Holders	*	-	-	*	-
	Hectare	*	-	-	*	-
Horoguduru	Holders	5,894	*	*	*	-
	Hectare	*	*	*	*	-
West Arsi	Holders	5,425	*	*	-	-
	Hectare	1,083	*	*	-	-
<b>Somali Region</b>	Holders	6,084	*	*	*	*
	Hectare	2,127	*	*	*	*
Shinele	Holders	2,822	*	*	-	*
	Hectare	1,258	*	*	-	*
Jijiga	Holders	*	*	*	*	-
	Hectare	*	*	*	*	-
Liben	Holders	*	-	-	-	-
	Hectare	*	-	-	-	-
<b>Benishangul</b>	Holders	7,824	*	*	*	335
	Hectare	*	*	*	*	4
Metekel Zone	Holders	*	*	-	*	*
	Hectare	*	*	-	*	*
Asosa	Holders	4,034	-	*	-	-
	Hectare	202	-	*	-	-
Kemashi	Holders	301	-	*	-	-
	Hectare	*	-	*	-	-
Pawe Special	Holder	280	*	-	-	235
	Hectar	13	*	-	-	2
Mao Komo	Holder	*	-	*	*	-
	Hectar	*	-	*	*	-
<b>S.N.N.P Region</b>	Holders	52,798	22,804	*	9,416	3,344
	Hectare	15,925	*	*	*	*
Gurage	Holders	*	*	*	*	*
	Hectare	*	*	*	*	*
Hadiya	Holders	1,292	*	-	*	*
	Hectare	*	*	-	*	*
Kemb. – Temb.	Holders	1,833	-	*	*	*
	Hectare	*	-	*	*	*
Sidama	Holders	*	-	-	*	-
	Hectare	*	-	-	*	-
Gedio	Holders	-	*	-	-	-
	Hectare	-	*	-	-	-
Wolayita	Holders	*	*	-	-	-
	Hectare	*	*	-	-	-

Table 5 (cont'd)

<i>Geographic area</i>		River	Lake	Pond	Others	Total
South Omo	Holders	*	*	-	*	-
	Hectare	*	*	-	*	-
Sheka	Holders	*	*	-	-	*
	Hectare	*	*	-	-	*
Keffa	Holders	*	*	-	-	-
	Hectare	*	*	-	-	-
Gamo - Gofa	Holders	*	17,823	-	*	*
	Hectare	*	*	-	*	*
Benchi – Maji	Holders	*	*	-	*	-
	Hectare	*	*	-	*	-
Yem	Holders	*	-	*	-	*
	Hectare	*	-	*	-	*
Amaro	Holders	15,886	*	-	-	*
	Hectare	4,044	*	-	-	*
Burji	Holders	*	*	-	*	*
	Hectare	*	*	-	*	*
Konso	Holders	7,453	*	-	-	*
	Hectare	*	*	-	-	*
Derashe	Holders	*	*	-	-	-
	Hectare	*	*	-	-	-
Dawro	Holders	-	-	-	*	-
	Hectare	-	-	-	*	-
Basketo	Holders	*	*	-	-	*
	Hectare	*	*	-	-	*
Konta	Holders	-	-	-	-	-
	Hectare	-	-	-	-	-
Silitie	Holders	*	*	*	*	-
	Hectare	*	*	*	*	-
Alaba	Holders	*	-	*	*	-
	Hectare	*	-	*	*	-
<b>Gambela Region</b>	Holders	*	-	-	-	-
	Hectare	*	-	-	-	-
Agnuwak	Holders	*	-	-	-	-
	Hectare	*	-	-	-	-
Nuware	Holders	-	-	-	-	-
	Hectare	-	-	-	-	-
Mezhenger	Holders	-	-	-	-	-
	Hectare	-	-	-	-	-
Itang Special	Holders	*	-	-	-	-
	Hectare	*	-	-	-	-
<b>Harari Region</b>	Holders	1,408	*	*	*	*
	Hectare	562	*	*	*	*
<b>Dire Dawa</b>	Holders	3,074	-	1,243	*	*
	Hectare	905	-	181	*	*



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

**Ethiopia**

Crop type	River	Lake	Pond	Water harvest	Others	Total
<b>All</b>	145,640	6,749	9,804	8,098	9,545	179,835
<b>Cereals</b>	83,478	4,236	3,501	3,982	2,689	97,886
Teff	15,778	*	*	*	409	18,414
Barley	10,585	*	*	*	*	12,156
Wheat	6,343	*	*	530	*	7,681
Maize	33,846	1,367	1,687	*	*	39,674
Sorghum	15,229	*	776	*	*	18,195
Finger millet	1,050	-	-	*	-	1,120
Oats / 'Aja'	*	-	-	-	-	*
Rice	*	-	-	-	-	*
<b>Pulses</b>	8,151	752	*	221	454	9,685
Horse / Faba beans	2,359	*	*	*	*	2,795
Field Peas	846	*	-	*	-	864
Haricot beans	935	*	*	*	*	1,163
Chick peas	2,782	*	*	*	*	3,088
Lentils	*	*	-	*	*	285
Vetch / Grass peas	540	*	-	*	*	775
Soya beans	*	-	-	-	-	*
Fenugreek	518	*	*	*	*	716
Gibto	*	-	-	-	-	*
<b>Oilseeds</b>	1,174	*	*	*	-	1,683
Neug	*	*	*	*	-	364
Linseed	517	*	*	*	-	635
Groundnuts	*	*	*	*	-	*
Safflower	*	-	*	*	-	*
Sesame	*	-	-	-	-	*
Rapeseed	80	-	*	*	-	88
<b>Vegetables</b>	3,671	64	269	*	*	6,630
Lettuce	5	*	*	*	*	*
Head cabbage	90	-	19	*	*	268
Ethiopian cabbage	169	*	26	*	38	413
Tomatoes	1,009	*	84	48	*	*
Green peppers	658	*	29	106	*	1,141
Red peppers	1,709	*	95	36	168	2,021
Swiss chard	32	-	6	*	5	54
<b>Root crops</b>	9,103	226	1,060	695	*	13,170
Beetroot	*	-	*	*	3	*
Carrot	215	*	*	*	*	343
Onion	2,884	102	*	63	*	5,080
Potatoes	2,490	-	*	274	131	3,060
Garlic	649	*	71	143	47	914
Taro 'Godere'	*	*	*	-	*	84
Sweet potatoes	2,559	*	544	*	*	3,376
<b>Other Temporary</b>	1,323	59	23	*	*	2,085
<b>Permanent crops</b>	38,740	1,294	4,763	1,652	2,246	48,696
Avocado	79	*	*	*	*	104
Bananas	3,889	47	*	18	*	4,337
Guava	344	-	23	*	*	392
Lemons	179	*	*	*	*	203
Mangoes	773	*	*	*	5	825
Oranges	468	*	31	*	*	515
Papayas	768	*	36	43	*	925
Pineapples	-	-	-	-	-	-
Chat	14,938	*	1,808	1,248	*	18,937
Coffee	8,090	203	*	125	278	10,939
Hops / 'Geshe'	2,411	*	119	115	417	3,099
Enset	1,574	*	*	*	*	2,208
Sugar cane	4,454	*	157	20	*	5,167
Other permanent	774	*	24	*	*	1,045

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

**Tigray**

Crop type	River	Lake	Pond	Water harvest	Others	Total
<b>All</b>	19,176	219	576	910	*	21,999
<b>Cereals</b>	13,132	*	186	455	*	14,925
Teff	4,142	*	-	*	*	4,252
Barley	1,706	*	*	*	*	2,580
Wheat	2,845	-	*	*	*	3,403
Maize	1,402	*	*	*	-	1,518
Sorghum	*	-	-	*	-	*
Finger millet	*	-	-	*	-	*
Oats / 'Aja'	-	-	-	-	-	-
Rice	-	-	-	-	-	-
<b>Pulses</b>	2,286	-	*	83	*	2,450
Horse / Faba beans	645	-	*	*	-	708
Field Peas	*	-	-	-	-	*
Haricot beans	-	-	-	-	-	-
Chick peas	*	-	-	-	-	*
Lentils	*	-	-	*	-	*
Vetch / Grass peas	*	-	-	-	-	*
Soya beans	-	-	-	-	-	-
Fenugreek	*	-	*	11	*	*
Gibto	-	-	-	-	-	-
<b>Oilseeds</b>	437	*	*	*	-	489
Neug	*	*	-	-	-	*
Linseed	*	-	-	*	-	*
Groundnuts	*	-	-	*	-	*
Safflower	*	-	*	*	-	*
Sesame	*	-	-	-	-	*
Rapeseed	-	-	*	*	-	*
<b>Vegetables</b>	625	*	135	134	*	925
Lettuce	*	*	*	*	*	*
Head cabbage	*	-	*	*	-	42
Ethiopian cabbage	*	-	-	-	*	*
Tomatoes	*	-	*	16	*	304
Green peppers	138	*	15	68	*	231
Red peppers	226	-	*	29	-	316
Swiss chard	3	-	*	*	*	12
<b>Root crops</b>	584	*	103	118	*	849
Beetroot	*	-	-	*	*	*
Carrot	*	-	*	*	-	*
Onion	348	*	50	22	*	463
Potatoes	*	-	*	*	*	87
Garlic	221	-	23	32	*	277
Taro 'Godere'	-	-	-	-	-	-
Sweet potatoes	*	-	-	*	-	*
<b>Other Temporary</b>	23	*	*	*	*	55
<b>Permanent crops</b>	2,089	*	114	67	5	2,305
Avocado	*	-	*	-	-	*
Bananas	150	*	*	*	*	155
Guava	*	-	*	*	*	77
Lemons	*	-	*	*	-	*
Mangoes	*	-	*	-	*	*
Oranges	*	-	*	*	-	*
Papayas	167	*	*	*	*	200
Pineapples	-	-	-	-	-	-
Chat	*	-	*	*	-	*
Coffee	*	-	*	*	-	*
Hops / 'Geshe'	490	*	69	40	*	620
Enset	-	-	-	-	-	-
Sugar cane	*	-	-	-	-	*
Other permanent	80	*	*	*	*	91

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

**Afar**

Crop type	River	Lake	Pond	Water harvest	Others	Total
<b>All</b>	12,376	*	-	*	-	12,728
<b>Cereals</b>	12,010	*	-	-	-	12,361
Teff	*	-	-	-	-	*
Barley	-	-	-	-	-	-
Wheat	*	-	-	-	-	*
Maize	11,679	*	-	-	-	12,030
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>	22	-	-	*	-	23
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>	174	-	-	-	-	174
Avocado	-	-	-	-	-	-
Bananas	*	-	-	-	-	*
Guava	*	-	-	-	-	*
Lemons	-	-	-	-	-	-
Mangoes	*	-	-	-	-	*
Oranges	-	-	-	-	-	-
Papayas	*	-	-	-	-	*
Pineapples	-	-	-	-	-	-
Chat	-	-	-	-	-	-
Coffee	*	-	-	-	-	*
Hops / 'Geshe'	-	-	-	-	-	-
Enset	-	-	-	-	-	-
Sugar cane	*	-	-	-	-	*
Other permanent	74	-	-	-	-	74

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

**Amhara**

Crop type	River	Lake	Pond	Water harvest	Others	Total
<b>All</b>	36,114	1,746	*	511	1,951	41,619
<b>Cereals</b>	21,157	1,138	*	*	512	23,582
Teff	6,413	*	*	-	*	7,318
Barley	7,567	*	*	-	*	8,194
Wheat	2,069	*	-	*	*	2,427
Maize	2,849	-	*	*	*	3,056
Sorghum	1,273	*	-	*	*	1,600
Finger millet	*	-	-	-	-	*
Oats / 'Aja'	*	-	-	-	-	*
Rice	*	-	-	-	-	*
<b>Pulses</b>	3,673	*	*	*	*	4,416
Horse / Faba beans	1,108	*	-	-	-	1,298
Field Peas	*	-	-	-	-	*
Haricot beans	*	-	*	-	-	*
Chick peas	1,001	*	-	-	*	1,283
Lentils	-	*	-	-	-	*
Vetch / Grass peas	*	*	-	-	-	630
Soya beans	-	-	-	-	-	-
Fenugreek	202	*	-	*	*	207
Gibto	*	-	-	-	-	*
<b>Oilseeds</b>	366	*	*	*	-	437
Neug	*	-	*	-	-	*
Linseed	*	*	-	*	-	*
Groundnuts	-	-	-	-	-	-
Safflower	*	-	-	-	-	*
Sesame	*	-	-	-	-	*
Rapeseed	*	-	-	*	-	*
<b>Vegetables</b>	1,492	*	43	14	207	1,767
Lettuce	*	-	*	*	-	4
Head cabbage	18	-	*	*	*	44
Ethiopian cabbage	31	-	*	*	*	40
Tomatoes	*	-	*	-	*	*
Green peppers	73	-	*	*	*	105
Red peppers	1,309	*	*	*	*	1,496
Swiss chard	*	-	*	*	*	30
<b>Root crops</b>	3,492	*	*	154	201	4,070
Beetroot	*	-	*	*	*	14
Carrot	19	-	*	*	*	31
Onion	1,113	*	*	*	56	1,371
Potatoes	2,062	-	*	*	98	2,240
Garlic	239	*	46	*	44	367
Taro 'Godere'	-	-	-	-	-	-
Sweet potatoes	*	-	*	-	-	*
<b>Other Temporary</b>	*	*	*	*	*	211
<b>Permanent crops</b>	5,766	24	*	140	760	7,135
Avocado	*	-	*	-	*	5
Bananas	237	-	*	*	*	270
Guava	*	-	*	*	*	74
Lemons	12	*	*	*	*	23
Mangoes	*	-	*	*	*	*
Oranges	88	-	*	*	*	109
Papayas	*	*	*	*	*	*
Pineapples	-	-	-	-	-	-
Chat	794	*	*	*	*	1,204
Coffee	1,457	*	*	*	170	1,668
Hops / 'Geshe'	1,690	*	*	*	391	2,184
Enset	-	-	-	-	-	-
Sugar cane	*	-	-	*	*	*
Other permanent	75	-	*	*	9	86

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

**Oromia**

Crop type	River	Lake	Pond	Water harvest	Others	Total
<b>All</b>	57,654	1,624	7,298	*	*	77,762
<b>Cereals</b>	24,754	875	2,463	*	*	31,636
Teff	3,921	*	*	-	*	4,345
Barley	1,297	*	-	-	-	1,312
Wheat	*	-	*	*	*	1,532
Maize	8,912	519	*	*	*	13,156
Sorghum	9,105	*	657	*	*	11,146
Finger millet	-	-	-	-	-	-
Oats / 'Aja'	*	-	-	-	-	*
Rice	-	-	-	-	-	-
<b>Pulses</b>	1,828	*	*	*	*	2,082
Horse / Faba beans	*	-	*	-	*	679
Field Peas	*	-	-	-	-	*
Haricot beans	274	*	-	-	*	281
Chick peas	*	-	-	-	-	*
Lentils	*	-	-	-	-	*
Vetch / Grass peas	*	-	-	*	*	*
Soya beans	-	-	-	-	-	-
Fenugreek	*	*	-	*	*	*
Gibto	-	-	-	-	-	-
<b>Oilseeds</b>	*	*	*	*	-	616
Neug	-	*	-	-	-	*
Linseed	*	-	*	-	-	*
Groundnuts	*	-	*	*	-	*
Safflower	-	-	-	-	-	-
Sesame	*	-	-	-	-	*
Rapeseed	*	-	-	-	-	*
<b>Vegetables</b>	1,450	*	*	*	*	3,585
Lettuce	*	-	-	*	*	*
Head cabbage	*	-	*	*	*	*
Ethiopian cabbage	116	*	*	*	*	194
Tomatoes	*	*	*	-	*	*
Green peppers	*	*	*	*	*	794
Red peppers	*	-	*	*	*	*
Swiss chard	*	-	*	-	*	*
<b>Root crops</b>	4,256	*	695	*	*	7,236
Beetroot	*	-	-	*	*	*
Carrot	*	*	-	*	*	300
Onion	1,301	*	*	*	*	3,035
Potatoes	400	-	*	*	*	698
Garlic	174	-	*	*	*	219
Taro 'Godere'	*	-	*	-	-	*
Sweet potatoes	1,932	*	531	*	*	2,688
<b>Other Temporary</b>	487	*	*	*	*	1,112
<b>Permanent crops</b>	24,622	532	3,985	1,195	*	31,495
Avocado	27	-	-	-	*	36
Bananas	1,708	*	*	*	*	2,107
Guava	191	-	*	*	-	203
Lemons	*	-	*	-	*	*
Mangoes	182	*	*	*	*	191
Oranges	266	*	*	-	*	285
Papayas	*	-	19	*	*	*
Pineapples	-	-	-	-	-	-
Chat	12,985	*	1,372	1,067	*	16,215
Coffee	4,961	*	*	*	*	7,434
Hops / 'Geshe'	215	*	*	*	*	273
Enset	233	*	*	-	*	274
Sugar cane	2,959	*	156	*	*	3,511
Other permanent	375	*	*	-	*	390

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

**Somalie**

Crop type	River	Lake	Pond	Water harvest	Others	Total
<b>All</b>	2,127	*	*	*	*	2,476
<b>Cereals</b>	1,647	*	-	*	*	1,724
Teff	*	-	-	-	-	*
Barley	-	-	-	-	-	-
Wheat	*	-	-	-	-	*
Maize	887	*	-	*	*	964
Sorghum	752	-	-	-	-	752
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>	322	*	*	*	-	423
Avocado	*	-	-	-	-	*
Bananas	*	-	-	-	-	*
Guava	*	-	*	-	-	*
Lemons	*	-	-	-	-	*
Mangoes	*	*	-	-	-	*
Oranges	61	-	*	-	-	62
Papayas	*	-	-	-	-	*
Pineapples	-	-	-	-	-	-
Chat	*	*	-	*	-	209
Coffee	*	-	-	*	-	*
Hops / 'Geshe'	-	-	-	-	-	-
Enset	-	-	-	-	-	-
Sugar cane	*	-	-	-	-	*
Other permanent	*	-	*	-	-	*

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

**Benishangul – Gumuz**

Crop type	River	Lake	Pond	Water harvest	Others	Total
<b>All</b>	*	*	*	*	4	923
<b>Cereals</b>	*	*	-	*	-	263
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>	*	*	*	-	2	*
Avocado	-	-	-	-	-	-
Bananas	*	-	*	-	*	*
Guava	*	-	-	-	-	*
Lemons	*	-	-	-	-	*
Mangoes	*	*	-	-	*	*
Oranges	*	-	-	-	-	*
Papayas	*	*	-	-	*	*
Pineapples	-	-	-	-	-	-
Chat	26	-	*	-	-	26
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	Water harvest	Others	Total
<b>All</b>	15,925	*	*	*	*	20,348
<b>Cereals</b>	9,917	*	*	*	*	12,445
Teff	1,221	*	-	-	*	2,364
Barley	*	*	-	*	-	*
Wheat	*	*	*	*	-	*
Maize	8,029	*	-	*	*	8,790
Sorghum	*	*	-	*	*	996
Finger millet	-	-	-	-	-	-
Oats / 'Aja'	*	-	-	-	-	*
Rice	-	-	-	-	-	-
<b>Pulses</b>	352	*	*	*	*	691
Horse / Faba beans	*	*	-	*	-	*
Field Peas	*	*	-	*	-	*
Haricot beans	272	*	-	*	*	459
Chick peas	*	-	*	*	-	*
Lentils	-	-	-	-	*	*
Vetch / Grass peas	-	-	-	-	-	-
Soya beans	*	-	-	-	-	*
Fenugreek	-	-	-	-	-	-
Gibto	-	-	-	-	-	-
<b>Oilseeds</b>	*	*	*	*	-	*
Neug	-	-	-	*	*	*
Linseed	*	-	-	-	-	*
Groundnuts	*	*	-	-	-	*
Safflower	-	-	*	-	-	*
Sesame	-	-	-	-	-	-
Rapeseed	*	-	-	-	-	*
<b>Vegetables</b>	31	*	*	*	*	210
Lettuce	-	-	-	-	-	-
Head cabbage	*	-	*	*	*	*
Ethiopian cabbage	20	*	*	*	*	176
Tomatoes	*	-	-	*	*	*
Green peppers	*	*	-	-	-	*
Red peppers	*	*	-	-	-	*
Swiss chard	-	-	-	*	*	*
<b>Root crops</b>	*	*	*	*	*	*
Beetroot	*	-	*	*	*	7
Carrot	*	-	-	*	*	*
Onion	*	*	-	*	*	*
Potatoes	-	-	-	*	-	*
Garlic	-	-	-	*	*	*
Taro 'Godere'	*	*	-	-	*	77
Sweet potatoes	*	*	-	*	*	*
<b>Other Temporary</b>	472	*	-	*	*	535
<b>Permanent crops</b>	4,607	*	*	178	*	5,766
Avocado	43	*	-	*	*	51
Bananas	*	*	*	*	-	*
Guava	*	-	-	-	-	*
Lemons	10	-	-	-	-	10
Mangoes	*	*	-	*	-	*
Oranges	2	*	-	-	-	3
Papayas	25	*	-	*	-	*
Pineapples	-	-	-	-	-	-
Chat	*	-	*	*	*	147
Coffee	1,156	*	*	*	*	1,262
Hops / 'Geshe'	*	-	*	-	-	*
Enset	1,340	*	*	*	*	1,934
Sugar cane	84	*	*	*	*	131
Other permanent	47	*	-	*	*	271



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

**Gambela**

Crop type	River	Lake	Pond	Water harvest	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

**Harari**

Crop type	River	Lake	Pond	Water harvest	Others	Total
<b>All</b>	562	*	*	*	*	869
<b>Cereals</b>	*	*	*	*	*	316
Teff	-	-	-	-	-	-
Barley	*	-	-	-	-	*
Wheat	-	-	*	-	-	*
Maize	*	*	*	*	*	96
Sorghum	*	*	*	*	*	219
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>	15	-	*	*	*	29
Beetroot	-	-	-	-	-	-
Carrot	-	-	-	-	-	-
Onion	-	-	-	-	-	-
Potatoes	-	-	*	-	-	*
Garlic	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-
Sweet potatoes	15	-	*	*	*	29
<b>Other Temporary</b>	*	-	-	*	-	*
<b>Permanent crops</b>	*	*	*	*	*	412
Avocado	-	-	-	-	-	-
Bananas	*	-	*	-	-	*
Guava	*	-	*	-	-	*
Lemons	*	-	-	-	-	*
Mangoes	*	-	*	-	-	*
Oranges	-	-	-	-	-	-
Papayas	*	-	*	*	-	*
Pineapples	-	-	-	-	-	-
Chat	*	*	*	*	*	159
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	Water harvest	Others	Total
<b>All</b>	905	-	181	*	*	1,095
<b>Cereals</b>	*	-	*	*	*	618
Teff	-	-	-	-	-	-
Barley	-	-	-	-	-	-
Wheat	-	-	-	-	-	-
Maize	*	-	*	-	-	43
Sorghum	*	-	*	*	*	561
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>	18	-	*	*	-	26
Beetroot	-	-	-	-	-	-
Carrot	-	-	-	-	-	-
Onion	*	-	*	*	-	*
Potatoes	*	-	-	-	-	*
Garlic	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-
Sweet potatoes	17	-	*	-	-	24
<b>Other Temporary</b>	-	-	-	-	-	-
<b>Permanent crops</b>	350	-	79	*	*	431
Avocado	-	-	-	-	-	-
Bananas	*	-	*	-	-	6
Guava	*	-	*	-	-	*
Lemons	*	-	*	-	-	*
Mangoes	*	-	*	-	-	*
Oranges	*	-	*	-	-	*
Papayas	*	-	*	*	*	17
Pineapples	-	-	-	-	-	-
Chat	154	-	*	-	-	194
Coffee	*	-	*	-	-	74
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	4,355,828	3,531,773	436,113	6,599,039	2,990,160	13,254,840
	Hectare	2,890,307	1,932,585	128,409	4,897,900	2,533,233	12,382,434
<b>Tigray Region</b>	Holder	441,904	553,037	15,580	297,742	14,621	882,706
	Hectare	273,734	402,172	*	202,572	*	893,426
North West Tigray	Holder	67,645	123,653	*	61,003	*	163,599
	Hectare	41,635	114,353	*	39,879	*	196,192
Central Tigray	Holder	165,965	147,537	*	75,227	*	271,664
	Hectare	96,679	85,584	*	35,415	*	217,696
East Tigray	Holder	75,275	101,289	2,312	50,201	*	146,900
	Hectare	27,267	49,814	116	22,947	*	101,470
South Tigray	Holder	118,837	136,317	9,862	66,919	*	229,497
	Hectare	99,160	104,050	*	42,158	*	250,043
Western Tigray	Holder	14,182	44,241	*	44,392	*	71,045
	Hectare	8,992	48,370	*	62,174	*	128,026
<b>Afar Region</b>	Holder	6,838	9,802	-	4,187	*	19,367
	Hectare	6,250	7,799	-	3,836	*	18,610
Zone 1	Holder	3,460	7,155	-	1,374	*	12,217
	Hectare	*	6,902	-	*	*	12,097
Zone 3	Holder	*	2,646	-	*	*	7,150
	Hectare	*	896	-	*	*	6,513
<b>Amhara Region</b>	Holder	1,949,602	945,064	117,629	1,513,589	860,978	3,495,617
	Hectare	1,524,565	499,917	17,004	1,285,163	642,910	3,969,559
North Gonder	Holder	292,717	143,118	*	252,028	53,453	491,095
	Hectare	269,833	133,776	*	258,135	47,784	709,888
South Gonder	Holder	267,486	108,048	17,215	242,673	91,760	419,744
	Hectare	215,211	67,650	1,945	193,532	50,329	528,667
North Wollo	Holder	264,212	129,892	5,337	74,302	14,403	357,752
	Hectare	170,752	51,583	*	28,873	*	254,580
South Wollo	Holder	376,105	213,548	33,565	143,284	50,303	558,225
	Hectare	267,416	83,552	*	52,441	12,702	422,741
North Shewa	Holder	252,086	93,474	*	223,892	105,582	416,967
	Hectare	218,040	43,986	*	198,380	59,319	520,150
East Gojjam	Holder	156,400	96,533	24,177	223,483	150,367	430,194
	Hectare	126,709	57,294	*	219,178	161,883	569,219
West Gojjam	Holder	162,793	79,517	12,265	241,100	262,340	441,190
	Hectare	114,901	22,035	*	237,735	172,539	548,525
Waghamera	Holder	78,052	22,758	*	32,465	*	94,451
	Hectare	75,494	7,808	*	13,851	*	100,111
Awi	Holder	44,771	18,797	2,026	54,488	121,094	181,468
	Hectare	39,114	*	*	69,689	130,220	253,717
Oromia Zone	Holder	50,485	37,051	*	23,720	*	97,891
	Hectare	24,512	16,602	*	12,457	*	57,425
Argoba Special	Holder	4,495	2,328	119	2,153	*	6,640
	Hectare	2,584	1,001	*	892	*	4,538
<b>Oromia Region</b>	Holder	1,206,995	1,345,739	218,309	2,589,801	1,755,526	5,392,934
	Hectare	782,855	742,698	82,457	2,311,288	1,720,154	5,639,452
West Wellega	Holder	52,706	4,476	23,083	154,314	136,298	255,183
	Hectare	43,048	*	6,869	127,218	105,342	283,600
East Wellega	Holder	12,200	5,586	1,845	101,174	154,152	213,671
	Hectare	*	1,239	*	150,435	169,820	333,718
Illubabor	Holder	26,659	86,925	*	199,450	57,657	277,005
	Hectare	15,862	42,292	*	182,055	43,989	288,127
Jimma	Holder	56,966	151,688	23,831	393,551	203,687	585,922
	Hectare	30,193	82,547	9,199	317,413	128,264	567,617
West Shewa	Holder	59,458	100,118	*	104,618	324,149	457,906
	Hectare	37,401	71,784	*	110,575	351,709	572,013

Table 7 (cont'd)

Geographic area		Method of Protection					
		Terracing	Water catchments	Planting trees	Ploughing along the contour	Others	Total
North Shewa	Holder	105,267	50,895	*	90,233	182,097	296,304
	Hectare	74,853	35,943	*	86,549	177,538	375,056
East Shewa	Holder	99,717	45,929	*	172,814	32,940	292,309
	Hectare	117,884	43,206	*	235,281	35,350	432,375
Arsi	Holder	89,386	87,209	5,335	265,505	159,356	499,422
	Hectare	73,435	49,992	236	269,908	173,145	566,716
West Harerge	Holder	206,290	147,696	1,859	139,502	*	350,603
	Hectare	122,197	67,332	*	83,607	*	281,579
East Harerge	Holder	340,525	294,366	7,978	151,790	*	613,907
	Hectare	154,107	114,884	1,322	47,383	*	330,008
Bale	Holder	23,881	145,668	*	169,229	58,416	325,871
	Hectare	*	114,570	*	138,555	65,343	331,154
Borena	Holder	*	65,658	16,632	47,451	*	134,670
	Hectare	*	32,403	*	20,879	*	69,469
South West Shewa	Holder	34,804	37,941	*	78,231	144,967	231,141
	Hectare	27,080	15,044	*	85,145	187,307	314,646
Guji	Holder	*	*	42,299	148,204	*	223,376
	Hectare	*	*	24,580	105,759	*	149,410
Kelem	Holder	48,780	44,647	*	236,854	80,414	373,256
	Hectare	22,595	26,560	*	216,208	65,499	340,585
Horoguduru	Holder	10,003	46,714	44,201	86,835	61,032	155,014
	Hectare	*	29,719	13,646	71,510	48,974	170,299
West Arsi	Holder	14,118	15,789	*	50,047	75,888	107,375
	Hectare	17,812	9,942	*	62,810	141,622	233,081
<b>Somali Region</b>	Holder	17,480	43,599	-	61,669	*	116,341
	Hectare	8,468	26,116	-	51,196	*	86,348
Shinele	Holder	7,524	*	-	*	-	8,257
	Hectare	2,417	*	-	*	-	2,766
Jijiga	Holder	8,272	32,355	-	53,094	*	87,814
	Hectare	*	23,423	-	48,017	*	77,726
Liben	Holder	*	10,328	-	8,257	*	20,269
	Hectare	*	2,375	-	3,147	*	5,856
<b>Benishangul – Gumuz Region</b>	Holder	18,907	47,411	8,190	83,607	29,557	159,863
	Hectare	15,089	36,493	*	111,180	31,620	198,195
Metekel Zone	Holder	*	15,290	*	31,447	12,605	52,764
	Hectare	*	13,094	*	57,934	19,686	95,861
Asosa	Holder	10,816	22,638	*	29,898	10,506	68,309
	Hectare	7,888	15,310	*	25,010	*	56,790
Kemashi	Holder	3,587	5,100	-	11,436	*	22,938
	Hectare	2,746	4,721	-	17,829	*	29,219
Pawe	Holder	632	2,968	148	3,321	1,300	5,995
	Hectare	290	2,513	*	3,975	685	7,523
Mao Komo	Holder	382	1,416	*	7,505	1,730	9,858
	Hectare	191	854	*	6,432	1,321	8,802
<b>S.N.N.P Region</b>	Holder	683,886	559,277	73,936	2,036,623	319,631	3,115,402
	Hectare	261,460	206,878	19,123	928,631	122,495	1,538,586
Gurage	Holder	73,977	31,501	*	178,998	62,611	293,929
	Hectare	30,543	8,689	*	82,955	30,167	153,065
Hadiya	Holder	67,147	*	*	159,588	51,393	225,870
	Hectare	30,909	*	*	92,387	22,336	146,478
Kembata – Tembaro	Holder	32,774	*	*	103,148	9,973	118,344
	Hectare	10,191	*	*	44,829	*	58,240
Sidama	Holder	110,784	*	*	550,561	*	680,256
	Hectare	42,522	*	*	180,086	*	238,063

Table 7 (cont'd)

Geographic area		Method of Protection					
		Terracing	Water catchments	Planting trees	Ploughing along the contour	Others	Total
Gedio	Holder	21,340	*	30,815	67,180	50,211	174,453
	Hectare	9,735	*	8,961	19,108	16,995	59,967
Wolayita	Holder	107,941	62,945	*	169,965	33,216	285,361
	Hectare	28,011	13,194	*	65,150	8,676	115,198
South Omo	Holder	11,804	55,735	6,972	48,337	*	111,141
	Hectare	*	22,845	*	26,576	*	55,474
Sheka	Holder	2,373	1,169	*	40,600	*	45,617
	Hectare	*	*	*	25,397	*	29,401
Keffa	Holder	*	77,749	*	137,602	12,323	203,333
	Hectare	*	42,218	*	96,980	*	154,517
Gamo - Gofa	Holder	72,098	153,972	*	140,990	37,690	330,634
	Hectare	25,668	57,303	*	61,799	9,735	155,996
Benchi – Maji	Holder	5,621	18,190	-	115,654	*	139,559
	Hectare	*	6,321	-	48,821	*	59,508
Yem	Holder	3,584	3,985	*	10,676	9,450	17,265
	Hectare	1,799	1,880	*	9,319	9,046	22,063
Amaro	Holder	17,625	9,328	*	15,790	4,710	34,934
	Hectare	5,529	2,443	*	5,530	1,729	15,294
Burji	Holder	1,008	4,026	-	3,050	2,906	9,567
	Hectare	*	2,146	-	2,354	1,065	5,890
Konso	Holder	49,598	8,861	*	6,294	*	56,105
	Hectare	24,536	*	*	2,223	*	30,676
Derashe	Holder	8,410	14,242	*	6,783	*	24,808
	Hectare	3,644	9,162	*	6,499	*	20,156
Dawro	Holder	12,122	30,241	*	86,277	3,814	108,679
	Hectare	3,387	6,894	*	35,835	*	48,049
Basketo	Holder	*	5,152	1,206	5,464	*	14,676
	Hectare	1,119	2,472	*	2,029	*	6,223
Konta	Holder	*	3,960	*	22,728	*	26,025
	Hectare	*	*	*	13,470	*	16,207
Silitie	Holder	59,196	29,322	*	128,696	13,302	172,534
	Hectare	19,393	9,597	*	71,799	*	105,566
Alaba	Holder	8,767	1,895	*	38,244	*	42,308
	Hectare	6,633	*	*	35,484	*	42,554
<b>Gambela</b>	Holder	5,043	22,034	*	7,778	2,254	38,594
	Hectare	1,420	8,658	*	2,513	*	15,185
Agnuwak	Holder	*	6,067	*	*	*	12470
	Hectare	*	2,261	*	*	*	6,310
Nuware	Holder	1,312	*	-	4,679	-	6341
	Hectare	212	*	-	591	-	858
Mezhenger	Holder	441	14,081	*	*	*	14891
	Hectare	*	6,052	*	*	*	6,636
Itang	Holder	3,109	1,536	-	54	216	4893
	Hectare	1,021	289	-	*	51	1,381
<b>Harari Region</b>	Holder	10,903	2,509	*	3,820	5,044	18,382
	Hectare	8,427	480	*	1,472	3,182	13,569
<b>Dire Dawa</b>	Holder	14,272	3,301	*	224	*	15,635
	Hectare	8,040	1,374	*	50	*	9,504

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>	1,211,196	2,953,895	190,103	145,758	2,407,066	2,370,206	448,003
<b>Tigray Region</b>	107,408	250,583	7,671	4,741	18,577	138,611	48,761
North West Tigray	17,069	33,908	*	*	*	24,173	2,834
Central Tigray	26,005	96,823	*	*	3,011	35,718	13,605
East Tigray	18,500	59,528	2,021	*	3,059	29,991	9,849
South Tigray	27,075	49,306	*	*	7,960	44,763	16,615
Western Tigray	18,759	11,019	*	*	1,793	3,967	*
<b>Afar Region</b>	46,198	2,894	-	*	1,447	5,264	1,952
Zone 1	24,417	1,862	-	*	1,240	3,106	*
Zone 3	21,782	*	-	-	*	*	1,877
<b>Amhara Region</b>	275,684	1,005,024	115,779	84,060	104,804	601,718	118,349
North Gondar	60,149	155,924	8,176	*	10,943	94,749	12,336
South Gondar	37,730	151,162	20,121	5,238	11,859	58,309	10,069
North Wollo	30,678	115,521	21,068	16,854	9,409	60,466	15,530
South Wollo	32,801	144,328	26,384	22,926	4,278	106,214	17,321
North Shewa	27,849	100,393	8,091	*	23,988	76,773	17,841
East Gojjam	33,115	132,238	8,592	*	9,012	62,410	12,186
West Gojjam	19,366	139,038	7,037	*	13,316	65,478	18,484
Waghamera	6,661	20,279	4,000	837	6,973	21,182	3,144
Awii	18,074	20,406	11,907	26,946	7,086	27,416	10,594
Oromia Zone	8,884	24,344	*	*	7,081	26,781	758
Argoba Special	377	1,391	*	-	860	1,939	84
<b>Oromia Region</b>	512,310	1,021,927	42,553	26,215	791,807	1,134,868	201,904
West Welega	38,127	69,126	*	*	11,913	78,384	11,137
East Welega	32,687	47,425	*	*	16,447	37,705	6,377
Illubabor	38,244	65,056	*	*	36,026	55,807	7,008
Jimma	73,846	143,242	*	*	30,172	116,776	22,031
West Shewa	50,514	69,684	*	*	19,874	97,932	35,931
South West Shewa	30,625	44,525	*	-	16,420	45,965	11,209
North Shewa	30,864	37,066	3,823	1,390	6,187	78,392	13,399
East Shewa	30,899	102,161	*	2,811	14,094	122,322	9,930
Arsi	9,051	86,086	*	-	64,899	96,374	8,839
West Harerge	22,698	122,528	12,092	*	313,821	68,854	11,218
East Harerge	23,244	35,133	*	*	5,822	88,848	21,460
Bale	24,068	8,401	*	941	70,732	29,147	*
Borena	21,821	47,467	*	*	16,690	41,200	13,126
Guji	*	17,525	-	*	93,255	26,515	*
Kelem	40,875	72,601	*	-	50,720	113,320	8,044
Horoguduru	22,539	39,322	*	*	20,198	27,201	10,720
West Arsi	11,070	14,578	1,175	*	4,537	10,126	9,051
<b>Somali Region</b>	52,898	8,630	779	2,653	38,767	41,655	11,355
Shinele	12,303	748	*	*	3,729	1,359	*
Jijiga	13,380	7,480	*	1,490	7,868	33,631	7,846
Liben	27,215	*	-	*	27,170	6,664	*
<b>Benishangul – Gumuz Region</b>	12,040	14,209	3,052	5,153	68,199	17,914	2,477
Metekel Zone	5,008	4,161	550	*	16,657	5,176	*
Asosa	3,291	5,534	2,309	1,479	34,532	8,434	*
Kemashi	923	1,766	-	3,552	13,560	1,568	*
Pawe Special	581	1,173	194	*	163	1,524	149
Mao Komo	2,235	1,574	-	-	3,287	1,212	281
<b>S.N.N.P Region</b>	200,773	641,943	19,987	22,105	1,334,179	422,506	62,287
Gurage	25,027	38,572	*	*	161,455	23,389	*
Hadiya	21,645	79,864	*	*	13,681	73,860	4,455
Kembata – Tembaro	11,298	47,382	*	*	17,773	39,332	*
Sidama	23,308	43,364	*	-	568,025	17,791	*
Gedio	3,000	2,135	-	*	165,923	*	-
Wolayita	16,061	96,431	*	*	78,294	69,337	5,454
South Omo	18,837	14,279	*	*	28,145	16,936	*

Table 8 (cont'd)

Geographic Area	Coping strategy						
	Renting oxen	Pairing with Someone's ox	Pairing with horse/cow	Using horse / cow	Digging by hand	Borrowing oxen	Others
Sheka	5,567	11,471	*	*	15,315	4,930	3,452
Keffa	10,891	86,453	1,123	*	13,298	31,094	8,888
Gamo - Gofa	15,429	54,189	5,149	4,110	144,442	26,204	*
Benchi – Maji	13,528	34,211	-	*	31,125	19,407	*
Yem	570	4,190	-	-	1,694	3,034	523
Amaro	*	5,378	-	*	11,544	4,187	*
Burji	454	1,553	-	*	378	1,702	-
Konso	1,854	6,435	*	*	26,953	6,582	*
Derashe	3,086	1,921	*	*	9,875	3,671	-
Dawro	6,262	31,797	*	721	22,761	24,502	5,315
Basketo	2,207	4,589	*	*	5,781	566	*
Konta	946	7,231	*	*	3,864	4,510	1,135
Silitie	18,381	59,759	*	*	13,182	38,637	7,527
Alaba	2,227	10,739	*	-	*	11,314	567
<b>Gambela region</b>	1,965	1,587	*	*	34,112	*	*
Agnuwak	*	*	-	*	8,491	*	*
Nuware	*	*	-	*	6,091	-	-
Mezhenger	266	433	-	*	13,971	*	*
Itang	267	-	*	*	5,559	-	-
<b>Harari Region</b>	783	3,312	*	*	9,110	2,264	632
<b>Dire Dawa</b>	1,137	3,788	*	-	6,064	4,092	*



## **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,  $\boxed{\phantom{W_{hi}}}$  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>	5,557,175	122,290	2	4,506,715	169,669	4	1,710,405	78,779	5
<b>Cereals</b>	4,486,814	110,436	2	3,962,674	153,267	4	1,539,237	72,654	5
Teff	1,530,978	62,284	4	1,322,390	77,154	6	573,703	36,167	6
Barley	475,551	35,911	8	316,514	31,061	10	235,270	29,132	12
Wheat	984,632	52,362	5	1,204,071	80,366	7	403,873	38,876	10
Maize	995,386	40,149	4	946,140	63,952	7	177,810	14,431	8
Sorghum	290,202	26,615	9	50,013	9,488	19	12,500	2,008	16
Finger millet	197,509	17,886	9	117,850	13,849	12	128,038	15,586	12
Oats / 'Aja'	12,042	2,632	22	5,321	1,319	25	7,732	2,438	32
Rice	513	172	33	375	136	36	312	133	43
<b>Pulses</b>	304,396	16,218	5	160,467	17,024	11	106,756	11,811	11
Horse/Faba beans	148,476	8,793	6	73,804	12,345	17	51,128	6,316	12
Field Peas	56,576	6,763	12	34,969	5,942	17	29,436	5,757	20
Haricot beans	53,195	5,801	11	35,188	6,532	19	18,523	3,250	18
Chick peas	13,229	2,230	17	1,955	538	27	634	216	34
Lentils	13,305	2,042	15	5,489	1,446	26	4,209	1,651	39
Vetch / Grass peas	9,045	1,937	21	1,750	679	39	*	*	*
Soya beans	985	342	35	*	*	*	*	*	*
Fenugreek	8,214	1,811	22	3,071	1,184	39	612	189	31
Gibto	1,371	331	24	3,618	1,609	44	448	204	46
<b>Oilseeds</b>	86,577	10,508	12	136,243	19,490	14	19,252	2,962	15
Neug	15,529	2,753	18	3,715	948	26	6,085	1,848	30
Linseed	13,539	2,376	18	4,489	889	20	5,181	1,616	31
Groundnuts	*	*	*	8,293	4,000	48	247	94	38
Safflower	2,547	703	28	8,750	3,840	44	328	132	40
Sesame	11,472	3,256	28	1,182	339	29	*	*	*
Rapeseed	27,545	3,152	11	109,813	17,962	16	6,677	1,377	21
<b>Vegetables</b>	77,118	5,896	8	80,764	12,972	16	11,802	2,067	18
Lettuce	*	*	*	*	*	*	*	*	*
Head cabbage	1,391	365	26	*	*	*	*	*	*
Ethiopian cabbage	20,924	1,226	6	2,603	603	23	368	93	25
Tomatoes	*	*	*	*	*	*	*	*	*
Green peppers	4,000	470	12	1,537	407	26	125	60	48
Red peppers	48,185	5,603	12	69,026	12,536	18	10,830	2,028	19
Swiss chard	98	15	16	*	*	*	-	-	-
<b>Root crops</b>	104,349	6,318	6	61,445	9,570	16	21,338	3,810	18
Beetroot	1,091	313	29	*	*	*	*	*	*
Carrot	*	*	*	*	*	*	420	197	47
Onion	11,804	2,323	20	14,939	5,625	38	*	*	*
Potatoes	37,031	4,672	13	35,582	6,484	18	17,480	3,608	21
Garlic	6,234	610	10	3,941	918	23	491	164	33
Taro 'Godere'	17,864	1,461	8	*	*	*	*	*	*
Sweet potatoes	28,392	2,000	7	4,657	1,295	28	702	182	26
Other Temporary	32,268	2,462	8	13,548	4,623	34	998	287	29
<b>Permanent crops</b>	465,654	17,647	4	91,574	11,667	13	11,022	2,090	19
Avocado	3,564	424	12	*	*	*	*	*	*
Bananas	13,349	1,111	8	6,636	1,666	25	490	143	29
Guava	555	95	17	*	*	*	-	-	-
Lemons	311	70	23	*	*	*	*	*	*
Mangoes	1,769	236	13	1,323	495	37	*	*	*
Oranges	1,276	270	21	*	*	*	*	*	*
Papayas	2,012	368	18	820	399	49	61	30	49
Pineapples	*	*	*	-	-	-	-	-	-
Chat	79,244	6,766	9	45,253	8,981	20	3,680	935	25
Coffee	88,338	7,126	8	20,415	3,657	18	5,091	1,288	25
Hops / 'Gesho'	11,506	994	9	8,516	2,270	27	150	62	41
Enset	249,810	10,305	4	4,568	1,146	25	649	167	26
Sugar cane	8,520	1,094	13	1,269	498	39	381	150	39
Other permanent	5,378	872	16	1,187	370	31	329	159	48

**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
<b>All</b>	1,459,842	68,744	5	257,695	25,371	10	241,108	30,406	13
<b>Cereals</b>	1,256,333	60,571	5	219,206	22,389	10	175,287	22,124	13
Teff	396,380	26,024	7	100,343	11,324	11	61,389	11,385	19
Barley	213,782	27,886	13	*	*	*	*	*	*
Wheat	379,927	32,520	9	34,199	7,299	21	30,746	7,003	23
Maize	163,212	13,726	8	30,442	4,428	15	39,068	6,673	17
Sorghum	10,628	1,515	14	20,333	6,823	34	20,661	7,665	37
Finger millet	88,141	12,239	14	10,322	2,431	24	3,970	893	22
Oats / 'Aja'	3,948	1,137	29	*	*	*	*	*	*
Rice	316	132	42	52	19	37	26	11	40
<b>Pulses</b>	94,685	10,575	11	7,989	1,821	23	10,459	2,144	21
Horse/Faba beans	43,648	5,882	13	2,627	990	38	2,571	714	28
Field Peas	28,073	5,100	18	1,003	412	41	1,636	613	37
Haricot beans	17,504	3,423	20	3,006	1,411	47	4,787	1,737	36
Chick peas	577	218	38	493	207	42	497	235	47
Lentils	2,781	1,214	44	*	*	*	*	*	*
Vetch / Grass peas	675	283	42	*	*	*	*	*	*
Soya beans	*	*	*	*	*	*	*	*	*
Fenugreek	301	87	29	221	95	43	*	*	*
Gibto	675	327	48	*	*	*	*	*	*
<b>Oilseeds</b>	25,649	5,059	20	8,059	2,408	30	10,906	4,079	37
Neug	2,382	764	32	438	178	41	130	56	43
Linseed	2,357	563	24	*	*	*	*	*	*
Groundnuts	218	69	32	*	*	*	*	*	*
Safflower	1,478	632	43	*	*	*	309	140	45
Sesame	*	*	*	1,926	921	48	725	272	38
Rapeseed	18,964	4,795	25	678	239	35	1,797	728	40
<b>Vegetables</b>	22,925	4,312	19	7,878	1,953	25	12,818	3,630	28
Lettuce	*	*	*	*	*	*	*	*	*
Head cabbage	*	*	*	*	*	*	*	*	*
Ethiopian cabbage	1,159	309	27	117	52	44	*	*	*
Tomatoes	*	*	*	*	*	*	*	*	*
Green peppers	*	*	*	275	128	47	310	127	41
Red peppers	18,915	3,977	21	7,197	1,929	27	11,679	3,590	31
Swiss chard	*	*	*	*	*	*	*	*	*
<b>Root crops</b>	31,450	5,364	17	3,440	980	28	6,717	1,788	27
Beetroot	*	*	*	*	*	*	*	*	*
Carrot	*	*	*	*	*	*	*	*	*
Onion	*	*	*	1,575	726	46	2,351	1,059	45
Potatoes	25,432	5,071	20	512	177	35	1,073	514	48
Garlic	1,190	401	34	336	88	26	1,045	269	26
Taro 'Godere'	*	*	*	*	*	*	*	*	*
Sweet potatoes	936	265	28	853	253	30	1,790	660	37
Other Temporary	1,863	504	27	906	314	35	2,445	806	33
<b>Permanent crops</b>	26,937	5,030	19						
Avocado	*	*	*						
Bananas	2,383	693	29						
Guava	-	-	-						
Lemons	*	*	*						
Mangoes	*	*	*						
Oranges	*	*	*						
Papayas	*	*	*						
Pineapples	-	-	-						
Chat	8,957	2,760	31						
Coffee	9,463	1,904	20						
Hops / 'Gescho'	951	398	42						
Enset	1,823	688	38						
Sugar cane	665	251	38						
Other permanent	697	295	42						

**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>	1,725,002	79,700	5	2,805,765	151,000	5	11,927,093	149,871	1
<b>Cereals</b>	1,649,331	77,336	5	2,531,054	140,937	6	8,309,899	123,165	1
Teff	717,909	48,075	7	864,621	72,274	8	2,546,450	73,704	3
Barley	65,387	8,321	13	83,534	9,462	11	977,955	50,425	5
Wheat	446,709	33,614	8	793,398	73,404	9	1,381,942	58,895	4
Maize	370,595	28,780	8	743,860	60,530	8	1,421,279	45,012	3
Sorghum	14,652	3,267	22	18,725	3,277	18	1,529,047	61,104	4
Finger millet	33,241	5,196	16	25,740	4,496	17	398,340	22,940	6
Oats / 'Aja'	823	355	43	1,144	497	43	30,526	3,853	13
Rice	*	*	*	*	*	*	24,359	10,247	42
<b>Pulses</b>	25,667	3,228	13	55,322	11,469	21	1,509,394	42,803	3
Horse/Faba beans	10,201	1,556	15	27,585	9,800	36	518,785	20,416	4
Field Peas	4,294	1,536	36	5,259	1,827	35	210,799	11,488	5
Haricot beans	3,779	1,046	28	12,896	4,259	33	228,029	14,896	7
Chick peas	886	409	46	881	421	48	225,620	17,324	8
Lentils	2,685	596	22	2,355	624	27	106,950	9,960	9
Vetch / Grass peas	1,061	465	44	*	*	*	147,157	12,882	9
Soya beans	*	*	*	*	*	*	7,573	1,895	25
Fenugreek	2,349	1,014	43	*	*	*	38,202	5,648	15
Gibto	319	136	42	2,912	1,406	48	26,281	5,639	21
<b>Oilseeds</b>	14,576	2,158	15	99,688	16,893	17	702,518	32,759	5
Neug	574	253	44	1,203	578	48	285,049	19,027	7
Linseed	1,373	479	35	941	302	32	151,297	14,624	10
Groundnuts	*	*	*	*	*	*	39,954	10,235	26
Safflower	1,214	564	46	6,964	3,426	49	8,650	1,687	20
Sesame	*	*	*	*	*	*	184,866	20,000	11
Rapeseed	10,790	1,905	18	89,052	15,984	18	32,701	3,381	10
<b>Vegetables</b>	17,440	3,475	20	45,021	10,182	23	118,026	7,867	7
Lettuce	*	*	*	*	*	*	*	*	*
Head cabbage	*	*	*	*	*	*	1,792	373	21
Ethiopian cabbage	192	91	47	1,085	417	38	28,196	1,385	5
Tomatoes	*	*	*	*	*	*	4,767	1,649	35
Green peppers	421	128	30	958	312	33	7,696	787	10
Red peppers	15,098	3,268	22	38,431	9,928	26	75,056	7,532	10
Swiss chard	*	*	*	*	*	*	195	55	28
<b>Root crops</b>	8,180	1,773	22	23,278	5,516	24	180,624	8,302	5
Beetroot	*	*	*	*	*	*	1,621	419	26
Carrot	*	*	*	*	*	*	*	*	*
Onion	2,962	1,205	41	10,160	4,024	40	17,250	2,705	16
Potatoes	3,870	923	24	9,078	2,619	29	49,783	5,799	12
Garlic	576	219	38	1,706	557	33	9,117	697	8
Taro 'Godere'	*	9	*	*	*	*	38,056	2,409	6
Sweet potatoes	632	293	46	1,930	792	41	61,886	3,622	6
Other Temporary	1,400	422	30	9,240	4,363	47	83,041	7,274	9
<b>Permanent crops</b>							1,023,591	31,658	3
Avocado							6,259	577	9
Bananas							39,015	4,537	12
Guava							1,736	341	20
Lemons							768	127	17
Mangoes							6,651	685	10
Oranges							3,323	407	12
Papayas							3,670	432	12
Pineapples							50	20	40
Chat							159,896	10,169	6
Coffee							398,965	24,600	6
Hops / 'Gescho'							24,773	2,244	9
Enset							341,372	11,515	3
Sugar cane							21,061	1,584	8
Other permanent							16,053	1,665	10



**APPENDIX II (cont'd)**

Crop	INDIGENOUS SEED			IMPROVED SEED					
	Quantity (qt)			Area (ha)			Quantity (qt)		
	Estimate	S.E	C.V	Estimate	S.E	C.V	Estimate	S.E	C.V
<b>All</b>	9,011,144	208,986	2	432,107	26,572	6	187,279	11,522	6
<b>Cereals</b>	7,051,607	172,588	2	412,629	26,362	6	179,942	11,254	6
Teff	1,358,547	41,651	3	17,599	3,665	21	8,030	1,742	22
Barley	1,757,089	104,243	6	6,083	2,405	40	9,169	4,181	46
Wheat	2,625,410	125,827	5	41,597	3,863	9	75,862	7,471	10
Maize	643,412	21,731	3	344,460	25,633	7	86,602	6,689	8
Sorghum	399,821	17,018	4	2,098	793	38	111	50	45
Finger millet	175,051	11,855	7	743	329	44	*	*	*
Oats / 'Aja'	50,313	7,382	15	-	-	-	-	-	-
Rice	41,964	20,472	49	*	*	*	*	*	*
<b>Pulses</b>	1,724,139	58,968	3	6,309	1,281	20	6,477	1,762	27
Horse/Faba beans	760,440	34,677	5	1,079	513	48	*	*	*
Field Peas	267,404	19,130	7	878	360	41	667	299	45
Haricot beans	168,390	13,392	8	2,621	1,008	38	2,793	1,337	48
Chick peas	221,084	18,374	8	918	349	38	822	349	42
Lentils	106,972	11,926	11	*	*	*	*	*	*
Vetch / Grass peas	159,870	15,337	10	*	*	*	*	*	*
Soya beans	5,804	1,841	32	*	*	*	*	*	*
Fenugreek	20,980	3,337	16	*	*	*	*	*	*
Gibto	13,196	3,269	25	*	*	*	*	*	*
<b>Oilseeds</b>	235,398	19,386	8	2,273	850	37	*	*	*
Neug	56,364	4,114	7	*	*	*	*	*	*
Linseed	105,132	12,831	12	*	*	*	*	*	*
Groundnuts	23,381	5,552	24	-	-	-	-	-	-
Safflower	1,034	209	20	-	-	-	-	-	-
Sesame	25,870	2,588	10	*	*	*	*	*	*
Rapeseed	23,617	12,584	53	*	*	*	*	*	*
<b>Vegetables</b>	-	-	-	501	179	36	-	-	-
Lettuce	-	-	-	*	*	*	-	-	-
Head cabbage	-	-	-	*	*	*	-	-	-
Ethiopian cabbage	-	-	-	*	*	*	-	-	-
Tomatoes	-	-	-	*	*	*	-	-	-
Green peppers	-	-	-	*	*	*	-	-	-
Red peppers	-	-	-	185	87	47	-	-	-
Swiss chard	-	-	-	12	5	39	-	-	-
<b>Root crops</b>	-	-	-	2,251	1,083	48	-	-	-
Beetroot	-	-	-	*	*	*	-	-	-
Carrot	-	-	-	*	*	*	-	-	-
Onion	-	-	-	*	*	*	-	-	-
Potatoes	-	-	-	95	46	49	-	-	-
Garlic	-	-	-	*	*	*	-	-	-
Taro 'Godere'	-	-	-	*	*	*	-	-	-
Sweet potatoes	-	-	-	75	36	49	-	-	-
Other Temporary	-	-	-	*	*	*	-	-	-
<b>Permanent crops</b>	-	-	-	-	-	-	-	-	-
Avocado	-	-	-	-	-	-	-	-	-
Bananas	-	-	-	-	-	-	-	-	-
Guava	-	-	-	-	-	-	-	-	-
Lemons	-	-	-	-	-	-	-	-	-
Mangoes	-	-	-	-	-	-	-	-	-
Oranges	-	-	-	-	-	-	-	-	-
Papayas	-	-	-	-	-	-	-	-	-
Pineapples	-	-	-	-	-	-	-	-	-
Chat	-	-	-	-	-	-	-	-	-
Coffee	-	-	-	5,828	1,106	19	-	-	-
Hops / 'Geshe'	-	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	-	-	-	-
Other permanent	-	-	-	-	-	-	-	-	-

# 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>	1,884,543	79,861	4	179,835	14,029	8	1,382,095	79,743	6
<b>Cereals</b>	1,811,716	78,075	4	97,886	9,881	10	1,267,422	73,645	6
Teff	781,288	43,175	6	18,414	3,145	17	354,805	32,917	9
Barley	204,134	24,251	12	12,156	2,979	25	108,734	20,464	19
Wheat	621,140	45,311	7	7,681	1,624	21	311,477	34,512	11
Maize	50,610	6,514	13	39,674	5,762	15	375,773	28,903	8
Sorghum	83,170	13,371	16	18,195	4,209	23	21,775	3,657	17
Finger millet	58,337	8,848	15	1,120	483	43	90,253	13,570	15
Oats / 'Aja'	8,942	2,153	24	*	*	*	4,084	1,816	44
Rice	*	*	*	*	*	*	520	216	42
<b>Pulses</b>	38,681	7,679	20	9,685	1,403	14	55,781	9,744	17
Horse/Faba beans	6,262	1,234	20	2,795	692	25	23,531	5,183	22
Field Peas	10,809	3,114	29	864	341	39	12,407	4,405	36
Haricot beans	5,948	2,678	45	1,163	312	27	6,272	1,497	24
Chick peas	8,023	3,909	49	3,088	839	27	5,134	1,312	26
Lentils	6,052	2,371	39	285	130	45	3,077	1,219	40
Vetch / Grass peas	1,332	453	34	775	296	38	2,990	745	25
Soya beans	*	*	*	-	-	-	*	*	*
Fenugreek	86	39	45	716	239	33	846	298	35
Gibto	*	*	*	-	-	-	*	*	*
<b>Oilseeds</b>	10,972	2,908	27	1,683	386	23	24,543	3,447	14
Neug	1,252	489	39	364	162	44	3,497	1,398	40
Linseed	8,123	2,831	35	635	220	35	5,376	2,092	39
Groundnuts	100	40	40	*	*	*	*	*	*
Safflower	*	*	*	*	*	*	494	207	42
Sesame	697	275	40	*	*	*	1,906	856	45
Rapeseed	*	*	*	88	38	43	12,617	2,038	16
<b>Vegetables</b>	3,999	1,466	37	6,630	1,678	25	11,126	2,856	26
Lettuce	*	*	*	*	*	*	*	*	*
Head cabbage	*	*	*	268	117	44	192	92	48
Ethiopian cabbage	228	60	26	413	114	28	*	*	*
Tomatoes	*	*	*	*	*	*	*	*	*
Green peppers	*	*	*	1,141	387	34	371	127	34
Red peppers	1,456	469	32	2,021	423	21	9,122	2,710	30
Swiss chard	*	-	*	54	16	29	16	7	42
<b>Root crops</b>	7,138	1,985	28	13,170	1,965	15	6,429	1,648	26
Beetroot	*	*	*	*	*	*	72	34	48
Carrot	31	15	48	343	148	43	*	*	*
Onion	*	*	*	5,080	1,548	30	*	*	*
Potatoes	3,810	1,310	34	3,060	635	21	3,156	917	29
Garlic	143	55	38	914	159	17	488	134	27
Taro 'Godere'	*	*	*	84	34	40	124	46	37
Sweet potatoes	422	150	35	3,376	771	23	485	137	28
Other Temporary	1,381	366	26	2,085	466	22	1,236	320	26
<b>Permanent crops</b>	10,656	2,125	20	48,696	5,549	11	15,559	3,058	20
Avocado	27	12	46	104	25	24	53	15	29
Bananas	102	30	29	4,337	1,272	29	436	116	27
Guava	*	*	*	392	107	27	71	31	44
Lemons	*	*	*	203	62	30	7	3	35
Mangoes	5	2	48	825	308	37	109	41	37
Oranges	*	*	*	515	150	29	25	12	48
Papayas	*	*	*	925	307	33	131	50	39
Pineapples	-	-	-	-	-	-	*	*	*
Chat	6,306	1,823	29	18,937	3,091	16	4,016	979	24
Coffee	1,561	555	36	10,939	2,036	19	7,159	2,610	36
Hops / 'Gescho'	304	146	48	3,099	575	19	1,007	212	21
Enset	1,458	429	29	2,208	449	20			
Sugar cane	*	*	*	5,167	1,063	21	337	119	35
Other permanent	410	195	48	1,045	212	20	910	363	40

### 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 2007/08 (2000 E.C) Annual Agricultural Sample Survey (Meher Season).

Region	Stratum	Enumeration Areas		Households	
	Zone/Sp.wereda	Planned	Covered	Planned	Covered
Tigray	North Western Tigray	31	31	620	620
	Central Tigray	39	39	780	780
	Eastern Tigray	29	29	580	579
	Southern Tigray	38	38	760	760
	Western Tigray	25	24	500	480
	<b>Region Total</b>	<b>162</b>	<b>161</b>	<b>3,240</b>	<b>3,219</b>
Afar	Zone One	24	24	480	473
	Zone Three	24	15	480	300
	<b>Region Total</b>	<b>48</b>	<b>39</b>	<b>960</b>	<b>773</b>
Amhara	North Gondar	44	43	880	860
	South Gondar	44	44	880	879
	North Wello	45	41	900	819
	South Wello	46	45	920	899
	North Shewa	40	40	800	800
	East Gojam	47	42	940	839
	West Gojam	46	46	920	920
	Wag Hemira	28	23	560	460
	Awi	32	32	640	638
	Oromia	28	27	560	537
	Argoba Special	20	20	400	400
	<b>Region Total</b>	<b>420</b>	<b>403</b>	<b>8,400</b>	<b>8,051</b>
Oromia	West Wellega	36	36	720	720
	East Wellega	36	35	720	700
	Illubabor	36	36	720	719
	Jimma	46	46	920	919
	West Shewa	42	41	840	820
	North Shewa	34	34	680	676
	East Shewa	40	38	800	757
	Arsi	44	43	880	860
	West Harerghe	40	40	800	799
	East Harerghe	42	39	840	775
	Bale	40	40	800	788
	Borena	36	36	720	720
	South West Shewa	38	38	760	756
	Guji	36	35	720	698
	Kelem	36	36	720	720
	Horoguduru	36	36	720	719
	West Arsi	39	37	780	739
	<b>Region Total</b>	<b>657</b>	<b>646</b>	<b>13,140</b>	<b>12,885</b>

**Appendix III.** Number of Planned and Actually Covered Sampling Units (EAs & Households)  
of the 2007/08 (2000 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	16	400	310
	Jijiga	28	28	560	556
	Liben	24	24	480	477
	<b>Region Total</b>	<b>72</b>	<b>68</b>	<b>1,440</b>	<b>1,343</b>
<b>Benishangul-Gumuz</b>	Metekel	24	24	480	473
	Asosa	20	20	400	400
	Kemashi	24	24	480	480
	Pawe Special	20	18	400	400
	Mao Komo	20	20	400	400
	<b>Region Total</b>	<b>108</b>	<b>106</b>	<b>2,160</b>	<b>2,119</b>
<b>SNNP</b>	Guraghe	38	38	760	760
	Hadiya	34	34	680	677
	Kembata_Tambaro	33	33	660	660
	Sidama	42	42	840	838
	Gedeo	34	31	680	616
	Wolayita	39	38	780	759
	South Omo	33	32	660	638
	Shaka	24	24	480	480
	Keffa	36	35	720	700
	Gamo_Gofa	38	38	760	756
	Bench_Maji	32	31	640	618
	Yem Specia Wereda	20	20	400	400
	Amaro Special W.	20	20	400	400
	Burji Special Wereda	20	19	400	400
	Konso Special Wereda.	20	20	400	399
	Derashe Special Wereda.	20	16	400	319
	Dawro	32	32	640	635
	Basketo Special Wereda.	20	20	400	399
	Konta Special Wereda.	20	20	400	400
	Siltie	30	30	600	599
	Alaba Special Wereda.	20	20	400	400
	<b>Region Total</b>	<b>605</b>	<b>593</b>	<b>12,100</b>	<b>11,853</b>
<b>Gambela</b>	Agnuwak	20	12	400	240
	Nuware	20	11	600	321
	Mezhenger	20	19	400	378
	Itang Special	20	19	400	385
	<b>Region Total</b>	<b>80</b>	<b>61</b>	<b>1,800</b>	<b>1,324</b>
<b>Harari</b>	<b>Harari</b>	<b>24</b>	<b>24</b>	<b>480</b>	<b>478</b>
<b>Dire Dawa</b>	<b>Dire Dawa</b>	<b>24</b>	<b>24</b>	<b>480</b>	<b>478</b>
<b>Country Total</b>		<b>2,200</b>	<b>2,125</b>	<b>44,200</b>	<b>42,523</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	2,174	5,699
	Central Tigray	3,379	8,921
	Eastern Tigray	1,878	7,049
	Southern Tigray	3,793	6,460
	Western Tigray	1,627	4,108
	<b>Region Total</b>	<b>12,851</b>	<b>32,237</b>
<b>Afar</b>	Zone One	872	1,370
	Zone Three	494	881
	<b>Regional Total</b>	<b>1,366</b>	<b>2,251</b>
<b>Amhara</b>	North Gondar	4,649	8,657
	South Gondar	5,441	10,161
	North Wello	4,326	7,678
	South Wello	5,674	9,861
	North Shewa	4,895	12,053
	East Gojam	4,522	8,213
	West Gojam	5,158	10,295
	Wag Hemira	2,256	3,527
	Awi	2,992	6,587
	Oromia zone	1,531	3,805
	Argoba Special	1,561	2,484
	<b>Regional Total</b>	<b>43,005</b>	<b>83,321</b>
<b>Oromia</b>	West Wellega	3,900	10,332
	East Wellega	2,983	7,784
	Illubabor	2,430	8,161
	Jimma	3,275	11,864
	West Shewa	3,848	10,250
	North Shewa	3,899	7,733
	East Shewa	3,222	6,319
	Arsi	4,027	9,393
	West Harerghe	2,206	7,082
	East Harerghe	2,475	6,065
	Bale	2,513	6,305
	Borena	1,572	4,918
	South West Shewa	3,731	10,401
	Guji	1,447	4,703
	Kelem	3,790	9,582
	Horoguduru	3,370	8,707
	West Arsi	2,131	6,046
	<b>Region Total</b>	<b>50,819</b>	<b>135,645</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	493	778
	Jijiga	1,173	2,455
	Liben	793	1,300
	<b>Regional Total</b>	<b>2,459</b>	<b>4,532</b>
<b>Benish-Gumuz</b>	Metekel	1,776	3,697
	Asosa	1,872	4,339
	Kemashi	1,020	2,216
	Pawe Special	1,673	3,250
	Mao Komo	1,339	4,103
	<b>Regional Total</b>	<b>7,680</b>	<b>17,605</b>
<b>SNNP</b>	Gurage	1,628	10,716
	Hadiya	1,455	11,036
	Kembata_Tambaro	1,446	11,474
	Sidama	1,666	7,548
	Gedeo	1,872	5,010
	Wolayita	1,274	11,859
	South Omo	1,472	4,684
	Shaka	1,487	5,729
	Keffa	1,614	10,122
	Gamo_Gofa	2,112	8,414
	Bench_Maji	1,347	5,152
	Yem SpeciWereda	1,760	7,130
	Amaro Special W.	898	3,852
	Burji Spec.Wereda	999	3,586
	Konso S. Wereda.	1,336	3,250
	Derashe Wereda.	940	2,277
	Dawro	950	6,903
	Basketo Wereda.	877	6,110
	Konta Sp. Wereda.	642	4,857
	Siltie	1,420	8,036
	Alaba Sp. Wereda.	944	5,127
	<b>Regional Total</b>	<b>28,139</b>	<b>142,872</b>
<b>Gambela</b>	Angnuwak	542	1,307
	Nuware	742	1,033
	Mezhenger	924	4,395
	Itang Special	982	1,573
	<b>Regional Total</b>	<b>3,190</b>	<b>8,308</b>
<b>Harari</b>		1,654	3,523
<b>Dire Dawa</b>		1,486	2,669
<b>Country</b>	<b>Total</b>	<b>152,649</b>	<b>432,963</b>

**APPENDIX IV**

QUESTIONNAIRE



CENTRAL STATISTICAL AUTHORITY  
ETHIOPIAN AGRICULTURAL SAMPLE SURVEY 2007/08 (2000 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 2007/08 (2000 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 – 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	