THE FEDERAL DEMOCRATIC REPUBLIC OF ETHIOPIA
CENTRAL STATISTICAL AGENCY

AGRICULTURAL SAMPLE SURVEY
2012 / 2013 (2005 E.C.)

(September – December, 2012)

VOLUME III

REPORT ON

FARM MANAGEMENT PRACTICES

(PRIVATE PEASANT HOLDINGS, MEHER SEASON)

ADDIS ABABA
June, 2013

571 STATISTICAL BULLETIN 571

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PART I
INTRODUCTION AND OBJECTIVES OF THE SURVEY

1.1. INTRODUCTION

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

One of the missions of the Central Statistical Agency (CSA) is to survey developments in agriculture and produce information about the changes taking place in it to data users to indicate whether the much desired incease in agricultural productivity has materialized. Thus, to shed a ray of statistical information on agricultural productivity, the agency has been providing statistics onthe extent of inputs applied area and volume of fertilizers and improved seeds used. As part of the 2012/13 (2005 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, input.s 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 2012/13 (2005 E.C.) Annual Agricultural Sample Survey (Meher Season) dealt with includes all cereals, pulses and oilseeds and the most commonly grown vegetables, root crops and permanent (perennial) crops. Holders growing at least one or more of these and / or other crops are enumerated and data on crop area and yield condition recorded, hence data on production of these crops acquired. The 2012/13 (2005 E.C.) Annual Agricultural Sample Survey (Meher season) covered the entire rural parts of the country except the non-sedentary population of three zones of Afar & six zones of Somali regions.

To be covered by the survey, a total of **2,280** Enumeration Areas (EAs) were selected. However, due to various reasons that are beyond control, in 37 EAs the survey could not be successful and hence interrupted. Thus, all in all the survey succeeded to cover **2,236** EAs (98 %) 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 45600 agricultural households, however, 44,871 (98%) were actually covered by the survey.

2.4 SAMPLING FRAME

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

2.3 SAMPLE DESIGN

In order to select the sample a stratified two-stage cluster sample design was implemented. Enumeration areas (EAs) were taken to be the primary sampling units (PSUs) and the secondary sampling units (SSUs) were agricultural households. Each EA was further classified in to three agro-ecology *("kolla", "Dega" and "Weyna Dega"*) for Tigray, Amahara, Oromiya and SNNPs regions. The sample size for the 2012/13 agricultural sample survey was determined by taking into account of both the required level of precision for the most important estimates within each domain and the amount of resources allocated to the survey. In order to reduce non-sampling errors, manageability of the survey in terms of quality and operational control was also considered. All regions were taken to be the domain of estimation for which major findings of the survey are reported.

2.4 SELECTION SCHEME

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

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

2.5. ORGANIZATION OF FIELD WORK

The conduct of a survey cannot be executed without the arrangement of fieldwork. In recognition of this, the organization of fieldwork has been entrusted to the Desks that liaises between the Head Office and the 24 Branch Statistical Offices spread across the regions. All Branch Offices took part in the survey execution especially in recruiting the enumerators,

organizing the 2nd stage training, assigning the field staff to their sites of enumeration, supervising the data collection and retrieving completed questionnaires and submitting them to the Head Office for data processing. The Branch Offices were also responsible for administering the financial and logistic aspects of the survey within their areas of operation. A total of 2,394 enumerators, 529 field supervisors and 66 statisticians were involved in the data collection where on the average one supervisor was assigned to five enumeration areas for supervision of data collection. All the enumerators were supplied with the necessary survey equipment after the completion of the training to ensure the smooth operation of the survey. To facilitate the data collection activities, a total of 194 four-wheel drive vehicles were used.

2.6. TRAINING OF FIELD STAFF

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

In light of this point, the training was given to the field staff in two stages. The first stage training, which took place at Bahir-Dar, the Amhara Regional State's capital, and lasted 7 days targeted staff from the Head Office, statisticians and senior field supervisors from Branch Statistical Offices. The staff that took part in the first stage training was then assigned to conduct similar training for the enumerators and other supervisors for 15 days in all the twenty- five Branch Statistical Offices distributed across the country.

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

2.7. METHOD OF DATA COLLECTION

The agricultural data for the year 2012/13 (2005 E.C.) was collected from sedentary rural peasant households by interviewing the selected agricultural holders and physically measuring their fields to obtain data on crop yields and other items of interest.

The data obtained were recorded in various forms designed for this purpose. Instruments like measuring tape; compass, kitchen balance, scientific calculators, GPS (Oromiya region only) and others were used during data collection for a timely and smooth acquisition of accurate data. The procedures for measuring area under crop and area of non - crop fields operated by the holders were performed for the 30 selected households from each sampled E.A. using measuring tapes, compasses as well as GPS.

2.8. DATA PROCESSING

a) Editing, Coding and Verification

Statistical data editing plays an important role in ensuring the quality of the collected survey data. It minimizes the effects of errors introduced while collecting data in the field, hence the need for data editing, coding and verification. Although coding and editing are done by the enumerators and supervisors in the field, respectively, verification of this task is done at the Head Office. Editing, coding and verification instruction manual was prepared and reproduced for this purpose. Then 66 editors-coders and verifiers were trained for two days in editing, coding and verification using the aforementioned manual as a reference and teaching aid. The completed questionnaires were edited, coded and later verified on a 100 % basis before the questionnaires were passed over to the data entry unit. The editing, coding and verification exercise of all questionnaires took 18 days.

b) Data Entry, Cleaning and Tabulation

Before data entry, the Agriculture, Natural Resources and Environment Statistics Directorate of the CSA prepared edit specification for the survey for use on personal computers for data consistency checking purposes. The data on the edited and coded questionnaires were then

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

2.9. CONCEPTS AND DEFINITIONS

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

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

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

Household: - a household may be either:

a) A one person household, that is a person who makes provisions for his own living with out combining with any other person to form part of a multi- person household or

b) A multi-person household, that is, a group of two or more persons who live together and make common provisions for food and other essentials of living. The persons in the group may pool their incomes and have a common budget to a greater or lesser extent. They may be related or unrelated persons or a combination of both. These persons are taken as members of the household.

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

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

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

Holder: - a holder is a person who exercises management control over the operation of the agricultural holding and makes the major decision regarding the utilization of the available resources. He/she has primary technical and economic responsibility for the holding. He/she may operate the holding directly as an owner or a manager. Under conditions of traditional agricultural holding the holder may be regarded as the person, who with or 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.

Note:-

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

PART III
SUMMARY OF SURVEY RESULTS

Farm Management Practice

By and large, agriculture in Ethiopia is subsistence. This is particularly true to the major food crops grown in the country and covered in the survey. The major food crops are produced in almost all regions of the country in spite of the variation in volume of production across the regions. The variation may be attributed to the extent of area devoted to each crop type, weather change, use of inputs, farm practice and a shift in preference for the crops grown. The items on which data is collected are the ones that are practiced by the peasant holders. The items shown in the statistical tables are fertilizers, improved seeds, pesticides and irrigation. The quantity of fertilizers and improved seeds used and the area they are applied to including pesticides and irrigation are also indicated in the statistical tables.

3.1 Fertilizer Applied Area:

Fertilizer is one of the major agricultural inputs that increase productivity. The application of fertilizer to crop fields in Ethiopia is gathering momentum. The volume of fertilizer used and the extent of area it is applied to are shown in Table 1. The total volume of fertilizer applied to area under crops is estimated to be more than six million quintals and the extent of area to which fertilizer was applied is estimated to be 7.4 million hectares.

Of all the volume of fertilizers used 4.3 million quintals was that of a mixture of UREA and DAP and 1.7 million was that of DAP. Most of the fertilizer used was applied to *teff* (nearly 1.8 million quintals), wheat (about 1.5 thousand quintals) and maize (nearly 1.4 million quintals). The largest area to which fertilizer was applied was that of teff (more than 2 million hectares) followed by maize (about 1.4 million hectares) and wheat (about 1.3 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 2012/13 (2005 E.C) was estimated to be more than 342 thousand quintals. The crop area it was applied to was estimated to be around 832 thousand hectares. The larger volumes of improved seeds used were that of wheat and maize which amounted to more than 172 thousand and about 129 thousand quintals, respectively. The largest area to which improved seeds were applied was under maize and wheat estimated to be more than 674 thousand hectares and 71 thousand hectares, respectively.

3.3.Pesticide Applied Area

At times when rampant pests and weeds damage crops the use of pesticides is indispensable. In areas where crop damage caused by pests and weeds was reported the application of pesticides is more evident in the survey results. The total pesticide applied area was estimated to be more than 2.7million hectares as indicated in Table 1. The number of holders who applied it was more than 4.4 million. Most of the crop area to which pesticide was applied was under teff (about 1.1 million hectares) and wheat (more than 846 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 151 thousand hectares. The farmers who practice irrigation are estimated to

number more than one million. Most of the area irrigated was under maize, sorghum and *teff* estimated to be more than 28 thousand hectares for maize, 17 thousand for sorghum and 6 thousand hectares for *teff*.

3.5 Extension package

The number of holders participating in various crop extension packages was estimated to be graeter than 5 million. Most of the area under the extension program was reported to be under maize, *teff* and wheat estimated to be more than 847 thousand hectares, about 665 thousand hectares and more than 498 thousand hectares, respectively, as shown in Table 1. The extension package embraced about 3 million maize growers, more than 1.6 million teff growers and more than 1.4 wheat growers. Credit and advisory services users numbered about 3.4 million and more than 11 million holders, respectively, as shown in Table 4.

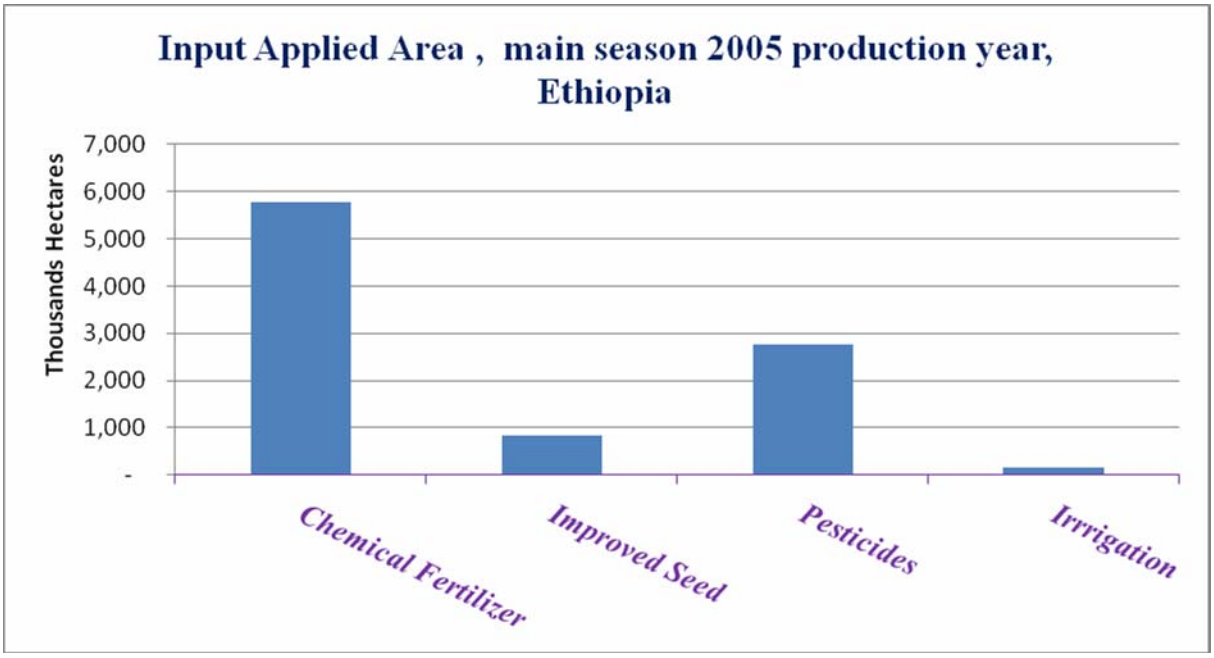

Figure 1: Input applied area in hectares, 2005 Production Year (Main season)

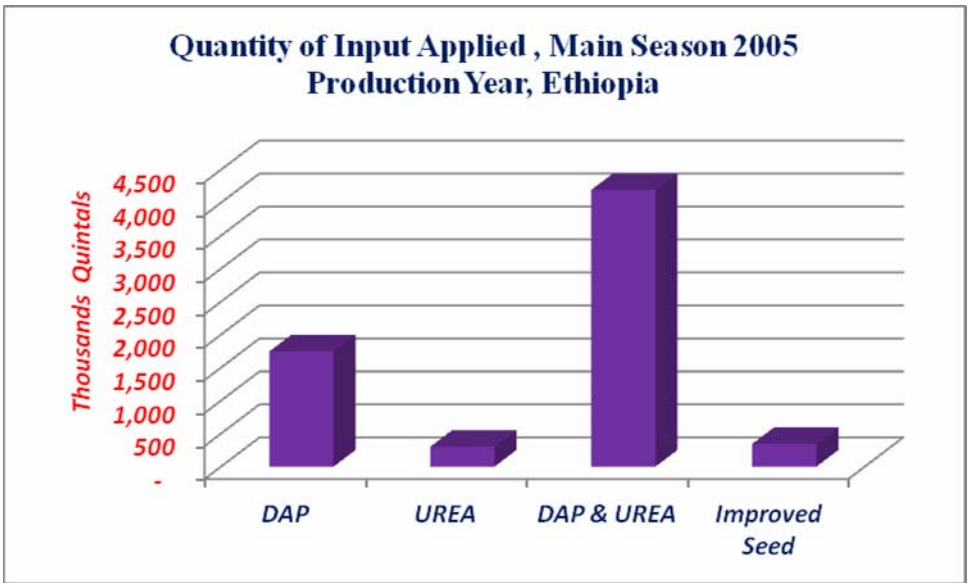

Figure 2: Quantity of inputs applied in quintals, 2005 Production Year (Main Season)

STATISTICAL TABLES

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

Ethiopia

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	13939882	7444654	6237916	9843597	1673855	4391066	2265824	1744871
Cereals	9601035	6053873	5527336	5832584	920280	3900070	1956781	1503308
Teff	2730273	2024190	1823132	426611	77857	1629581	657385	451875
Barley	1018753	583687	441881	1200874	143704	974097	251131	218251
Wheat	1627647	1311239	1467017	695771	83203	1300146	545409	479776
Maize	2013045	1376972	1380826	4330215	401423	1257300	254282	187864
Sorghum	1711485	457006	190413	1062807	194849	334925	76828	38967
Finger millet	431507	278348	206809	130560	16395	464498	163945	121930
Oats / 'Aja'	26514	12588	7740	49054	2176	46281	7637	4586
Rice	41811	9842	9518	9248	*	*	*	*
Pulses	1863445	463354	243816	2653509	187987	1243587	192866	141873
Horse / Faba beans	574060	210572	96565	1421848	103940	616496	81881	64715
Field Peas	255969	73352	42178	321949	19456	275830	39783	27133
Haricot beans	366877	118651	76351	987677	40494	418953	56176	41714
Chick peas	239512	15587	4134	93742	9818	24968	2621	1532
Lentils	123718	17927	10694	78343	4549	62965	4771	2588
Vetch / Grass peas	205374	9296	3029	53885	5491	8879	*	508
Soya beans	31855	4164	2180	10344	604	12928	1928	1304
Fenugreek	32910	11839	6877	249431	3023	41661	3655	1718
Gibto	33170	1967	1808	9395	612	14554	693	661
Oilseeds	818449	141233	92884	820086	39797	274414	39330	21370
Neug	303628	16566	3050	41308	7201	28181	8350	1783
Linseed	127883	15679	5669	119521	5691	60931	7630	3473
Groundnuts	90156	28472	18138	58781	5650	39192	5615	3252
Safflower	11414	3232	3641	43261	1040	6994	277	388
Sesame	239532	40718	18055	56275	6815	37514	12328	6073
Rapeseed	45837	36565	44331	542897	13399	117960	5131	6401
Vegetables	192555	146218	159666	4290762	47968	266361	14711	14698
Lettuce	75	46	*	30155	43	-	-	-
Head cabbage	3049	2182	1024	302646	1503	15610	187	207
Ethiopian cabbage	34791	27789	2121	2865969	26299	67257	771	848
Tomatoes	7237	4577	*	117571	1162	8779	541	623
Green peppers	10589	4986	1303	834600	3731	26715	387	325
Red peppers	136504	106408	140676	938133	15160	162513	12698	12623
Swiss chard	311	230	*	47274	69	*	*	*
Root crops	203958	131392	90443	3473390	64636	550771	32612	34095
Beetroot	1795	1147	376	314625	833	15339	170	*
Carrot	1133	768	256	115509	522	9699	*	89
Onion	21865	17458	24050	358279	3140	41929	3332	3563
Potatoes	74935	61849	51169	739510	20300	384631	26422	27565
Garlic	21258	14314	9577	1583083	8129	91438	1169	1360
Taro 'Godere'	41338	19508	1191	924730	18668	7654	*	*
Sweet potatoes	41634	16348	3825	579706	13045	47838	1118	976
Other Temporary	118168	53058	25236	2790410	34580	108489	3461	3084
Permanent crops	61973	19975		1659447	17558			
Avocado	8938	3798		610224	3682			
Bananas	36012	11416		990600	10032			
Guava	1492	419		84839	322			
Lemons	754	280		58477	237			
Mangoes	8809	2010		302626	1577			
Oranges	2999	1305		186446	1078			
Papayas	2752	730		223421	614			
Pineapples	216	16		7402	16			
Stimulant	725541	198349		3413300	129846			
Chat	173845	96900		1104398	44817			
Coffee	528751	90101		2118670	75716			
Hops / 'Gesho'	22945	11348		975612	9313			
Enset	318454	226569		3495855	223701			
Sugar cane	22388	7334		445110	4984			
Other permanent	13916	3299		538920	2519			

(Table 1cont'd.)

Ethiopia

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	1565543	405984	300350	5344016	3098991	4192696	15066986	13107107	9849983
Cereals	1186507	331994	227371	5106005	2844818	3796657	13313458	8808021	7587434
Teff	464619	137930	86419	2387420	1151018	1284839	6240742	2691805	1371869
Barley	132018	19407	13927	814643	169445	209703	4453656	1010040	1785428
Wheat	207247	36261	29775	1943787	646366	957465	4702157	1556904	3072238
Maize	437879	52181	46360	2408027	669087	1146601	8275120	1339298	584106
Sorghum	250722	62794	39190	456585	122535	112256	4952181	1710774	458955
Finger millet	87235	18001	7560	321258	80006	77319	1575628	431172	199468
Oats / 'Aja'	10735	1076	830	25952	1700	2324	262000	26514	38122
Rice	18245	*	*	17706	4660	*	114934	41513	*
Pulses	191140	15085	10630	718938	67416	91313	8469309	1854034	2023016
Horse / Faba beans	52921	3283	2099	304949	21467	29751	4433658	572369	769654
Field Peas	14375	1452	671	106762	12661	14374	1852811	255718	286445
Haricot beans	79985	5629	4924	238455	16352	29712	3132726	363080	298446
Chick peas	5985	461	316	17133	2689	2286	1058976	236962	262818
Lentils	11590	1452	595	60807	7154	7510	950127	123012	108709
Vetch / Grass peas	*	*	*	11996	1286	1431	947596	205374	233070
Soya beans	2316	*	179	5038	*	697	105761	31446	27945
Fenugreek	23013	897	582	69340	4264	4578	761972	32903	18964
Gibto	*	*	*	14331	510	975	173848	33170	16966
Oilseeds	132895	14218	11055	460184	47888	60459	3765928	817046	239533
Neug	5581	358	189	11449	657	1079	1073122	303620	58550
Linseed	14073	565	439	40712	1794	1757	1147087	127472	66155
Groundnuts	43097	9035	7257	32003	8171	7629	379802	90087	60453
Safflower	13112	500	595	27340	1415	2658	222210	11414	2288
Sesame	17048	2833	1411	29587	18743	10570	671860	238735	37328
Rapeseed	44065	926	1165	330990	17109	36765	1151415	45718	14759
Vegetables	282420	13536	14027	570515	70003	130941	6761909	191223	-
Lettuce	-	-	-	*	*	*	44546	64	-
Head cabbage	12191	73	86	19319	419	731	462482	2908	-
Ethiopian cabbage	21754	257	344	36122	461	928	3709505	34725	-
Tomatoes	9545	266	171	19196	2608	*	230462	6516	-
Green peppers	24803	257	250	36955	611	728	1345752	10583	-
Red peppers	222194	12681	13173	480093	65868	114880	2359306	136148	-
Swiss chard	*	*	*	*	*	*	72564	279	-
Root crops	266854	6199	6801	520667	27945	49547	6282561	201539	-
Beetroot	7089	*	*	7606	84	124	474043	1710	-
Carrot	3782	*	*	5681	81	114	174073	1007	-
Onion	55133	2206	2739	116546	8780	17748	764485	20594	-
Potatoes	38759	1665	1486	179967	13462	22118	1561492	74640	-
Garlic	142037	1050	1211	233517	3966	7005	2711802	21170	-
Taro 'Godere'	13654	402	575	5323	166	259	1529997	41260	-
Sweet potatoes	29291	778	671	41369	1407	2178	1382952	41158	-
Other Temporary	117427	6850	7752	196326	8167	14400	4622127	117053	-
Permanent crops							3405120	60725	
Avocado							1129863	8623	
Bananas							2163771	35877	
Guava							252392	1322	
Lemons							158161	747	
Mangoes							895834	8661	
Oranges							417282	2980	
Papayas							530883	2298	
Pineapples							33282	216	
stimulant							6668066	704702	
Chat							2509223	173173	
Coffee							4136465	508738	
Hops / 'Gesho'							2003965	22791	
Enset							4561466	318132	
Sugar cane							1066693	22379	
Other permanent							1205178	12254	

(Table 1 Cont'd.)

Ethiopia

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	2798396	832649	342386	4355884	2772021	1163072	151645	5186118	2900272
Cereals	2492047	792946	332589	4009506	2604946	388832	61517	4883721	2548489
Teff	131292	38400	13730	2308710	1115628	37956	6179	1661116	665536
Barley	28618	8713	17226	854078	244536	27554	2650	810751	196528
Wheat	269893	70743	128932	1867504	846113	32874	5692	1402095	498483
Maize	2174759	673747	172104	410438	109889	247730	28225	3018439	847261
Sorghum	5472	711	152	348767	163975	132283	17804	624942	174734
Finger millet	2357	335	*	344743	109484	5947	939	494396	153418
Oats / 'Aja'	-	-	-	88984	14356	*	*	35526	6724
Rice	*	*	*	5545	965	*	*	18322	5806
Pulses	64567	9411	9027	380876	110225	73549	4537	1118146	149062
Horse / Faba beans	8846	1691	2666	134728	21841	18650	1593	582634	60606
Field Peas	1710	*	*	65744	11798	3128	37	160037	18214
Haricot beans	23241	3797	2353	46647	7074	33026	1317	362768	44034
Chick peas	16916	2550	3024	80833	31104	5408	635	51300	7029
Lentils	*	*	*	96877	23393	2961	*	43808	4738
Vetch / Grass peas	-	-	-	52285	14181	1697	129	43378	7803
Soya beans	*	409	*	*	*	*	*	16629	*
Fenugreek	*	*	*	13750	633	12184	181	57132	2158
Gibto	-	-	-	*	*	*	*	32362	2012
Oilseeds	11426	1404	*	79111	9129	29133	2244	650193	71156
Neug	*	*	*	4670	567	1338	*	44424	6840
Linseed	*	*	*	51144	6087	4243	61	65260	7252
Groundnuts	*	*	*	*	*	*	*	70021	13400
Safflower	-	-	-	8801	452	*	*	22647	1142
Sesame	3928	*	*	8114	1705	5649	*	51942	20803
Rapeseed	4354	119	-	7191	250	5867	176	429113	21719
Vegetables	68982	1331	-	99684	7175	301473	10013	617409	47472
Lettuce	1673	*	-	*	*	5557	*	3007	*
Head cabbage	33779	141	-	11904	151	43860	489	50464	380
Ethiopian cabbage	5723	66	-	17631	291	52725	580	77883	1004
Tomatoes	13555	720	-	11097	2364	50565	3673	29629	1956
Green peppers	2326	5	-	10533	*	94833	*	56509	409
Red peppers	12794	356	-	52543	4043	111948	2236	439262	43698
Swiss chard	6742	*	-	*	*	7582	*	6261	*
Root crops	101705	2418	-	258561	23774	380812	18522	696862	30308
Beetroot	29282	86	-	4902	*	25268	100	26775	130
Carrot	23095	126	-	*	*	19244	271	21924	265
Onion	28853	1271	-	79673	8351	138477	9123	103510	7031
Potatoes	11702	294	-	125656	13766	59008	3221	276962	16890
Garlic	7616	*	-	66218	1429	143230	2024	312689	3472
Taro 'Godere'	5691	77	-	1697	*	4849	33	19828	763
Sweet potatoes	8467	*	-	*	*	75206	3750	49644	1756
Other Temporary	21222	*	-	56399	4086	101134	4025	299008	8736
Permanent crops				11627	108	286031	10800	86504	1810
Avocado				*	*	26905	173	10061	68
Bananas				3220	*	170650	*	35026	920
Guava				*	*	35831	476	11160	214
Lemons				1916	*	29255	207	5757	*
Mangoes				2453	*	55481	1090	20345	222
Oranges				2842	*	39277	576	13136	129
Papayas				*	*	60607	547	13780	*
Pineapples				-	-	-	-	*	*
Stimulant	182656	20630	-	122357	10206	446142	30838	411818	37723
Chat				104782	8166	272054	22276	286644	24075
Coffee	176185	20014	-	21606	2040	269919	8562	172450	13648
Hops / 'Gesho'				29785	549	236951	2174	187416	2197
Enset				15686	1350	39414	970		
Sugar cane				*	*	114672	5159	29173	974
Other permanent				4233	*	74266	846	43772	618

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

Tigray

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	893062	591183	465128	525048	113540	221232	99821	69699
Cereals	730756	539413	439035	425195	98088	202958	89804	62856
Teff	161798	126412	110520	33611	5810	77178	23679	15807
Barley	98163	76927	82463	89513	9264	62703	12704	11353
Wheat	111846	92375	107509	51376	6752	45168	8421	7934
Maize	69026	61502	31341	312590	31895	41179	4349	3268
Sorghum	208390	115716	61248	126097	35681	57033	20221	12515
Finger millet	78664	64055	42000	44855	8669	60796	20419	11960
Oats / 'Aja'	*	*	*	*	*	-	-	-
Rice	*	*	*	-	-	*	*	*
Pulses	61634	17931	9452	118654	8450	30093	3018	2448
Horse / Faba beans	18580	8282	4773	81154	3861	20351	1717	1406
Field Peas	6307	3011	2034	9341	799	7218	*	*
Haricot beans	*	*	*	7641	*	*	*	*
Chick peas	11604	2671	722	18060	1835	*	416	*
Lentils	8540	1835	1408	5604	431	2479	*	163
Vetch / Grass peas	12735	1131	210	*	*	-	-	-
Soya beans	*	-	-	-	-	-	-	-
Fenugreek	1365	125	112	7414	36	*	*	*
Gibto	-	-	-	-	-	-	-	-
Oilseeds	85116	28312	12049	23864	4592	18698	6555	3780
Neug	6342	*	*	5301	*	*	*	*
Linseed	8188	511	239	6452	232	*	*	*
Groundnuts	*	*	-	*	*	-	-	-
Safflower	133	92	*	*	*	*	*	*
Sesame	69506	26411	11517	9505	3404	16514	6277	3696
Rapeseed	*	*	*	*	*	-	-	-
Vegetables	2315	1735	1019	131856	1070	10715	163	299
Lettuce	4	*	*	*	*	-	-	-
Head cabbage	*	*	*	*	*	-	-	-
Ethiopian cabbage	*	*	*	*	*	-	-	-
Tomatoes	352	276	313	*	*	*	*	*
Green peppers	465	334	175	39879	191	5349	23	24
Red peppers	1335	988	334	88670	756	4505	80	115
Swiss chard	*	*	-	*	*	-	-	-
Root crops	2284	1702	2027	35548	300	6122	271	302
Beetroot	*	*	*	*	*	-	-	-
Carrot	*	90	*	*	*	*	*	*
Onion	317	*	150	4789	21	*	*	*
Potatoes	779	683	776	8798	134	*	*	*
Garlic	1020	722	956	23542	141	3728	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-
Other Temporary	570	*	*	15661	*	-	-	-
Permanent crops	1179	187		13571	103			
Avocado	*	*		*	*			
Bananas	139	*		*	*			
Guava	292	78		6638	*			
Lemons	66	*		1970	*			
Mangoes	118	*		*	*			
Oranges	50	*		2092	*			
Papayas	*	38		4892	*			
Pineapples	-	-		-	-			
stimulant	3247	962		30750	201			
Chat	*	*		-	-			
Coffee	158	*		*	*			
Hops / 'Gesho'	2006	816		30016	188			
Enset	-	-		-	-			
Sugar cane	*	-		-	-			
Other permanent	5938	713		16345	538			

(Table 1.1 cont'd.)

Tigray

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	154,629	43,654	28,356	556,600	334,168	367,074	985,658	874,505	641,650
Cereals	141,024	41,404	26,807	548,296	310,117	349,372	965,321	714,145	560,326
Teff	45,183	9,264	5,784	291,202	87,660	88,929	514,705	157,253	79,145
Barley	34,912	4,910	4,193	260,265	50,049	66,916	460,402	98,117	171,719
Wheat	32,338	6,131	5,273	278,944	71,071	94,302	398,879	101,673	177,422
Maize	47,622	3,625	2,837	179,244	21,633	25,235	637,331	67,683	31,045
Sorghum	38,571	11,394	5,240	118,621	48,420	43,493	466,854	208,283	66,613
Finger millet	31,522	5,785	3,076	117,983	29,182	26,964	289,297	78,563	31,985
Oats / 'Aja'	-	-	-	*	*	*	*	*	*
Rice	*	*	*	*	*	*	*	*	*
Pulses	12,045	747	642	62,164	5,715	6,362	459,963	61,559	64,552
Horse / Faba beans	8,668	484	420	39,536	2,220	2,947	282,950	18,539	24,121
Field Peas	2,158	209	150	11,656	1,327	1,302	62,000	6,307	8,113
Haricot beans	-	-	-	*	*	*	25,771	*	*
Chick peas	*	*	*	4,168	*	*	77,083	11,604	8,865
Lentils	*	*	*	11,228	1,214	1,236	73,547	8,540	9,454
Vetch / Grass peas	-	-	-	3,195	388	210	68,913	12,735	12,574
Soya beans	-	-	-	-	-	-	*	*	*
Fenugreek	*	*	*	3,320	*	*	45,684	1,365	668
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	3,653	810	433	19,882	16,356	7,836	234,078	84,423	16,773
Neug	-	-	-	*	*	*	41,585	6,342	1,640
Linseed	*	*	*	3,865	255	187	85,603	8,188	3,508
Groundnuts	-	-	-	-	-	-	*	*	*
Safflower	*	*	*	1,248	*	*	4,194	133	*
Sesame	2,351	791	378	12,341	15,938	7,443	113,021	68,814	11,128
Rapeseed	*	*	*	*	*	*	4,347	*	18
Vegetables	9,052	181	171	26,198	320	550	219,108	2,260	-
Lettuce	-	-	-	*	*	*	3,365	4	-
Head cabbage	1,196	*	*	2,537	*	*	6,383	*	-
Ethiopian cabbage	-	-	-	*	*	*	*	*	-
Tomatoes	*	*	*	3,662	61	117	16,206	320	-
Green peppers	3,077	*	29	10,237	79	123	77,701	465	-
Red peppers	4,160	*	*	11,597	76	136	129,148	1,327	-
Swiss chard	-	-	-	-	-	-	2,845	*	-
Root crops	11,929	*	*	35,034	865	1,467	116,544	2,031	-
Beetroot	-	-	-	*	*	*	*	*	-
Carrot	*	*	*	*	*	*	6,390	*	-
Onion	3,076	*	*	7,028	53	83	19,529	153	-
Potatoes	*	*	*	8,140	365	581	25,022	725	-
Garlic	6,220	*	*	24,149	386	708	87,441	1,016	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other Temporary	*	*	*	*	*	*	51,529	450	-
Permanent crops							46,580	480	
Avocado							1,479	*	
Bananas							8,116	112	
Guava							19,947	133	
Lemons							9,726	65	
Mangoes							1,753	*	
Oranges							7,292	37	
Papayas							12,985	86	
Pineapples							-	-	
Stimulant							147,286	3,201	
Chat							*	*	
Coffee							9,136	149	
Hops / 'Gesho'							137,225	1,969	
Enset							-	-	
Sugar cane							*	*	
Other permanent							130,435	5,933	

(Table 1.1 Cont'd.)

Tigray

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	101217	18557	20895	216185	110247	139579	12820	619315	374670
Cereals	72936	16611	20553	208735	107898	38898	7993	604619	339582
Teff	19078	4545	2230	103231	31512	7732	1028	307121	87793
Barley	1408	*	*	44930	6634	6206	851	243949	48412
Wheat	47940	10174	17236	47432	9355	12448	1940	260984	63467
Maize	6368	1343	516	49136	5568	11951	957	228457	27103
Sorghum	*	*	*	66060	41349	*	*	173813	69772
Finger millet	*	*	*	43536	13479	*	*	155495	40655
Oats / 'Aja'	-	-	-	-	-	-	-	*	*
Rice	*	*	*	-	-	-	-	*	*
Pulses	*	*	*	13273	1485	9988	845	125389	13871
Horse / Faba beans	*	*	*	6059	307	4842	403	82666	4795
Field Peas	-	-	-	*	*	*	*	22591	2229
Haricot beans	*	*	*	*	*	-	-	*	*
Chick peas	-	-	-	2711	437	2084	168	14516	1521
Lentils	-	-	-	*	*	*	*	16030	1537
Vetch / Grass peas	-	-	-	*	*	*	*	13338	2291
Soya beans	-	-	-	-	-	*	*	*	*
Fenugreek	-	-	-	-	-	2157	*	6479	78
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	1627	*	*	2412	*	1306	*	49406	17961
Neug	-	-	-	-	-	*	*	*	*
Linseed	-	-	-	*	*	-	-	14247	753
Groundnuts	-	-	-	-	-	-	-	*	*
Safflower	-	-	-	-	-	*	*	*	*
Sesame	*	*	*	2131	*	*	*	26612	16363
Rapeseed	*	*	-	-	-	*	*	*	*
Vegetables	3911	*	-	5302	49	41803	663	52184	827
Lettuce	*	*	-	*	*	1485	*	*	*
Head cabbage	*	*	-	*	*	4423	*	2645	*
Ethiopian cabbage	-	-	-	-	-	*	*	*	*
Tomatoes	*	*	-	*	*	8069	183	10165	262
Green peppers	*	*	-	*	*	22851	179	18482	120
Red peppers	1813	7	-	*	*	10964	163	25734	344
Swiss chard	*	*	-	*	*	2212	*	*	*
Root crops	6307	*	-	*	*	41377	1051	47623	1235
Beetroot	-	-	-	-	-	*	*	*	*
Carrot	*	*	-	-	-	5999	*	*	*
Onion	*	*	-	*	*	10921	*	10900	*
Potatoes	*	*	-	-	-	5714	241	12960	393
Garlic	*	*	-	*	*	27264	491	28490	500
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other Temporary	*	*	-	*	*	7858	*	10140	61
Permanent crops				*	*	31635	776	16164	*
Avocado				-	-	1116	*	*	*
Bananas				-	-	7113	132	*	*
Guava				*	*	16384	235	8970	*
Lemons				*	*	5832	*	*	*
Mangoes				-	-	3902	96	*	*
Oranges				-	-	5329	37	3179	*
Papayas				-	-	9034	*	3923	*
Pineapples				-	-	-	-	-	-
Stimulant	2461	*	-	*	*	10365	*	4655	*
Chat				*	*	*	*	*	*
Coffee	2461	*	-	*	*	5802	*	2707	*
Hops / 'Gesho'				*	*	45238	440	26369	256
Enset				-	-	-	-		
Sugar cane				-	-	*	*	-	-
Other permanent				*	*	5335	21	7424	258

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

North West Tigray

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	203351	158070	100505	152480	45553	71869	41392	27312
Cereals	179542	149671	97429	136947	41560	69610	37816	25086
Teff	43269	36625	32884	5509	946	31754	10790	7501
Barley	725	441	243	3222	*	*	*	*
Wheat	*	*	*	*	*	-	-	-
Maize	29863	27846	14034	120916	16630	11476	1887	1548
Sorghum	57150	42540	21020	54204	18473	28637	9929	6734
Finger millet	48348	42155	29209	25438	5310	40087	15198	9285
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	*	*	*	-	-	-	-	-
Pulses	9248	1690	839	16578	888	6323	570	*
Horse / Faba beans	3247	804	580	8491	273	*	*	*
Field Peas	*	*	-	*	*	-	-	-
Haricot beans	*	*	-	*	*	-	-	-
Chick peas	5358	864	*	7602	594	*	*	*
Lentils	-	-	-	-	-	-	-	-
Vetch / Grass peas	*	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	*	*	-	*	*	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	12865	5662	1895	8590	*	9211	2935	*
Neug	*	*	*	*	*	*	*	*
Linseed	1039	*	-	*	*	-	-	-
Groundnuts	-	-	-	-	-	-	-	-
Safflower	*	*	*	-	-	-	-	-
Sesame	8040	4920	1851	6299	*	8929	2930	*
Rapeseed	*	*	-	*	*	-	-	-
Vegetables	937	809	242	71346	683	3899	*	*
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-
Tomatoes	*	*	*	*	*	*	*	*
Green peppers	62	48	*	8818	*	*	*	*
Red peppers	735	621	96	62240	546	*	*	*
Swiss chard	-	-	-	-	-	-	-	-
Root crops	*	*	*	*	*	*	*	*
Beetroot	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	*	*	*	*	*	-	-	-
Potatoes	-	-	-	-	-	-	-	-
Garlic	*	*	*	*	*	*	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-
Other Temporary	*	*	-	3272	*	-	-	-
Permanent crops	*	*		*	*			
Avocado	*	-		-	-			
Bananas	*	*		*	*			
Guava	*	*		*	*			
Lemons	9	*		*	*			
Mangoes	*	*		*	*			
Oranges	*	-		-	-			
Papayas	39	*		*	*			
Pineapples	-	-		-	-			
Stimulant	299	*		1336	*			
Chat	-	-		-	-			
Coffee	*	*		-	-			
Hops / 'Gesho'	294	*		1336	*			
Enset	-	-		-	-			
Sugar cane	-	-		-	-			
Other permanent	*	-		-	-			

(Table 1.1.1cont'd.)

North West Tigray

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	20,305	7,703	4,514	93,894	63,422	68,680	198,684	199,277	83,371
Cereals	18,152	7,326	4,238	93,307	62,969	68,105	197,323	176,166	73,547
Teff	4,593	1,627	940	57,842	23,262	24,443	112,034	40,956	18,821
Barley	*	*	*	*	237	197	11,646	722	*
Wheat	-	-	-	*	*	*	*	*	*
Maize	4,689	461	461	43,085	8,868	12,025	182,472	28,905	11,186
Sorghum	6,535	2,528	1,284	27,200	11,610	13,002	128,608	57,150	22,697
Finger millet	9,581	2,691	1,526	53,616	18,957	18,398	135,271	48,247	19,942
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	*	*	*	*	*	*
Pulses	1,565	*	*	2,705	*	*	67,996	9,248	6,751
Horse / Faba beans	1,257	*	*	2,245	*	*	39,017	3,247	3,349
Field Peas	-	-	-	-	-	-	*	*	*
Haricot beans	-	-	-	-	-	-	5,346	*	41
Chick peas	*	-	*	*	*	*	30,273	5,358	2,853
Lentils	-	-	-	-	-	-	*	-	*
Vetch / Grass peas	-	-	-	-	-	-	*	*	*
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	*	*	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	*	*	*	*	*	*	54,428	12,380	3,073
Neug	-	-	-	-	-	-	13,029	*	*
Linseed	-	-	-	-	-	-	11,286	1,039	378
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	*	*	*	*	*	*
Sesame	*	*	*	*	*	*	34,183	7,555	1,972
Rapeseed	-	-	-	-	-	-	*	*	*
Vegetables	2,417	*	21	4,497	*	*	91,821	934	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	12,595	61	-
Red peppers	2,417	*	21	4,497	*	*	78,597	733	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	*	*	*	*	5,593	*	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	*	*	*	*	*	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	*	*	*	*	*	*	5,593	*	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other Temporary	-	-	-	-	-	-	4,769	*	-
Permanent crops							10,771	43	
Avocado							*	*	
Bananas							*	*	
Guava							*	*	
Lemons							3,622	9	
Mangoes							*	*	
Oranges							*	*	
Papayas							4,202	*	
Pineapples							-	-	
Stimulant							20,455	282	
Chat							-	-	
Coffee							*	*	
Hops / 'Gesho'							20,181	278	
Enset							-	-	
Sugar cane							-	-	
Other permanent							*	*	

(Table 1.1.1 Cont'd.)

North West Tigray

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	17005	4074	1669	50060	30138	12532	1022	139521	99489
Cereals	11150	3376	1583	49031	29812	2755	674	139521	94304
Teff	9257	*	1249	14027	5259	*	*	75234	27502
Barley	*	*	*	*	*	-	-	2770	*
Wheat	-	-	-	-	-	-	-	*	*
Maize	3466	*	*	12350	1987	*	*	61789	11045
Sorghum	-	-	-	26644	13627	*	*	64458	26646
Finger millet	*	*	*	23288	8892	*	*	83113	28938
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	*	*	*	*	11225	1028
Horse / Faba beans	-	-	-	-	-	-	-	6370	*
Field Peas	-	-	-	-	-	-	-	*	*
Haricot beans	-	-	-	-	-	-	-	-	-
Chick peas	-	-	-	*	*	*	*	4855	*
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	*	*	*	*	*	*	*	12456	3848
Neug	-	-	-	-	-	*	*	*	*
Linseed	-	-	-	-	-	-	-	*	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	*	*	*	*	*	*	*	11844	3826
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	*	*	-	*	*	*	*	15014	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	-	-	-	-	-	-	-	*	*
Green peppers	*	*	-	*	*	*	*	*	*
Red peppers	*	*	-	*	*	*	*	11831	134
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	-	-	-	-	-	*	*	*	*
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	*	*	*	*
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	*	*	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other Temporary	*	*	-	*	*	*	*	*	*
Permanent crops				-	-	4236	36	*	*
Avocado				-	-	*	*	-	-
Bananas				-	-	*	*	-	-
Guava				-	-	1955	*	*	*
Lemons				-	-	1266	*	-	-
Mangoes				-	-	*	*	*	*
Oranges				-	-	*	*	-	-
Papayas				-	-	1916	*	*	*
Pineapples				-	-	-	-	-	-
Stimulant	*	*	-	*	*	*	*	*	*
Chat				-	-	-	-	-	-
Coffee	*	*	-	*	*	*	*	*	*
Hops / 'Gesho'				-	-	5159	*	*	*
Enset				-	-	-	-		
Sugar cane				-	-	-	-	-	-
Other permanent				-	-	-	-	-	-

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

Central Tigray

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	220382	170464	140924	161704	31124	56119	24797	15995
Cereals	193630	161796	136730	123116	26192	51270	23965	15422
Teff	63345	57405	55035	14289	1906	31725	9239	5955
Barley	22766	18299	19975	39465	3046	12361	1821	1789
Wheat	33454	26552	32518	24254	2775	8597	*	*
Maize	22767	20089	9814	87505	8648	14118	1571	854
Sorghum	38502	28322	12660	45802	9094	19781	5976	3540
Finger millet	12770	11104	6678	8315	722	16806	*	1996
Oats / 'Aja'	*	*	*	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
Pulses	19292	6763	2471	63188	4427	9008	461	385
Horse / Faba beans	8506	3734	1333	48978	2636	*	*	*
Field Peas	832	*	*	2502	*	-	-	-
Haricot beans	*	*	*	*	*	*	*	*
Chick peas	2222	927	*	5488	528	*	*	*
Lentils	3224	*	*	3233	*	*	*	*
Vetch / Grass peas	1966	*	*	*	*	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	*	*	*	3397	14	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	5324	*	*	5017	*	*	*	*
Neug	941	*	*	2531	*	*	*	*
Linseed	2673	216	121	*	*	-	-	-
Groundnuts	*	*	-	*	*	-	-	-
Safflower	*	*	*	*	*	-	-	-
Sesame	*	*	*	*	*	*	*	*
Rapeseed	*	*	*	*	*	-	-	-
Vegetables	435	348	271	32713	162	4778	*	*
Lettuce	*	*	*	-	-	-	-	-
Head cabbage	*	*	*	-	-	-	-	-
Ethiopian cabbage	*	*	*	-	-	-	-	-
Tomatoes	*	*	*	-	-	-	-	-
Green peppers	202	160	92	23544	100	*	*	*
Red peppers	*	*	*	9169	*	*	*	*
Swiss chard	*	-	-	-	-	-	-	-
Root crops	432	317	463	12282	53	*	*	*
Beetroot	*	*	*	-	-	-	-	-
Carrot	*	*	*	-	-	-	-	-
Onion	*	*	*	-	-	*	*	*
Potatoes	*	*	*	*	*	-	-	-
Garlic	264	228	320	11235	46	*	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-
Other Temporary	*	*	*	*	*	-	-	-
Permanent crops	*	*		3121	*			
Avocado	-	-		-	-			
Bananas	*	*		*	*			
Guava	*	*		*	*			
Lemons	*	-		-	-			
Mangoes	*	-		-	-			
Oranges	*	*		*	*			
Papayas	*	*		*	*			
Pineapples	-	-		-	-			
Stimulant	*	*		9995	82			
Chat	-	-		-	-			
Coffee	*	*		*	*			
Hops / 'Gesho'	*	*		9653	75			
Enset	-	-		-	-			
Sugar cane	-	-		-	-			
Other permanent	*	*		*	*			

(Table 1.1.2cont'd.)

Central Tigray

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	45,521	11,847	8,097	190,917	102,695	116,831	293,274	215,053	178,964
Cereals	42,321	11,628	7,919	189,394	100,010	113,389	288,484	188,407	157,015
Teff	20,117	4,105	2,605	150,076	42,155	46,474	222,432	62,072	36,463
Barley	12,046	880	897	93,324	12,551	17,289	154,885	22,758	36,830
Wheat	8,588	1,260	970	99,153	21,338	30,261	131,152	29,817	49,650
Maize	19,389	1,442	1,100	88,985	8,428	7,860	226,250	22,474	11,222
Sorghum	13,551	2,512	1,457	43,724	10,739	7,662	140,110	38,491	16,933
Finger millet	10,799	1,428	891	39,118	4,774	3,791	81,107	12,770	5,895
Oats / 'Aja'	-	-	-	*	*	*	*	*	*
Rice	-	-	-	-	-	-	-	-	-
Pulses	3,357	168	108	21,829	1,707	1,977	173,433	19,258	20,124
Horse / Faba beans	2,629	*	*	15,142	701	988	138,274	8,506	10,232
Field Peas	-	-	-	*	*	*	11,847	832	807
Haricot beans	-	-	-	-	-	-	12,978	*	*
Chick peas	*	*	*	*	*	*	21,065	2,222	2,703
Lentils	-	-	-	*	*	*	29,393	3,224	3,706
Vetch / Grass peas	-	-	-	*	*	*	13,226	1,966	1,731
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	*	*	*	*	*	*	22,255	*	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	*	*	*	4,038	*	*	49,250	5,324	1,825
Neug	-	-	-	*	*	*	16,190	941	328
Linseed	-	-	-	1,902	186	121	30,139	2,673	1,063
Groundnuts	-	-	-	-	-	-	*	*	*
Safflower	*	*	*	*	*	*	*	*	*
Sesame	-	-	-	-	-	-	*	*	*
Rapeseed	-	-	-	*	*	*	*	*	*
Vegetables	*	*	*	15,120	133	196	65,561	402	-
Lettuce	-	-	-	*	*	*	*	*	-
Head cabbage	*	*	*	*	*	*	*	*	-
Ethiopian cabbage	-	-	-	*	*	*	*	*	-
Tomatoes	-	-	-	*	*	*	*	*	-
Green peppers	*	*	*	7,011	40	63	44,452	202	-
Red peppers	*	*	*	*	*	*	18,123	*	-
Swiss chard	-	-	-	-	-	-	*	*	-
Root crops	2,822	*	*	13,004	220	403	41,973	405	-
Beetroot	-	-	-	*	*	*	*	*	-
Carrot	*	*	*	*	*	*	*	*	-
Onion	*	*	-	*	*	*	5,922	36	-
Potatoes	*	*	*	*	*	*	2,980	*	-
Garlic	1,818	*	*	11,117	*	*	37,526	262	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other Temporary	-	-	-	*	*	*	9,121	*	-
Permanent crops							10,846	*	
Avocado							-	-	
Bananas							*	*	
Guava							3,387	*	
Lemons							*	*	
Mangoes							*	*	
Oranges							1,824	*	
Papayas							2,493	*	
Pineapples							-	-	
Stimulant							40,474	*	
Chat							-	-	
Coffee							*	*	
Hops / 'Gesho'							40,474	*	
Enset							-	-	
Sugar cane							-	-	
Other permanent							*	*	

(Table 1.1.2 Cont'd.)

Central Tigray

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	34979	5329	6829	95380	35221	36513	1213	184015	86943
Cereals	27772	5223	6821	93639	34327	5593	497	180195	81113
Teff	7199	1273	749	72153	19942	1539	*	132148	33127
Barley	*	*	*	31866	4736	-	-	70855	7768
Wheat	19047	3638	5807	26926	3029	*	*	74988	11944
Maize	*	*	*	26690	2082	2603	*	86984	9696
Sorghum	*	*	*	14455	3431	*	*	51547	13342
Finger millet	-	-	-	9730	1108	*	*	39111	5211
Oats / 'Aja'	-	-	-	-	-	-	-	*	*
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	*	7551	874	2574	173	51912	4317
Horse / Faba beans	-	-	-	3667	188	*	*	42179	1877
Field Peas	-	-	-	*	*	*	*	*	*
Haricot beans	*	*	*	*	*	-	-	*	*
Chick peas	-	-	-	*	*	*	*	*	*
Lentils	-	-	-	*	*	*	*	6954	585
Vetch / Grass peas	-	-	-	*	*	-	-	*	*
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	*	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	11883	970
Neug	-	-	-	-	-	-	-	*	*
Linseed	-	-	-	-	-	-	-	5909	350
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	*	*
Sesame	-	-	-	-	-	-	-	*	*
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	*	*	-	*	*	16192	148	20962	178
Lettuce	-	-	-	-	-	*	*	*	*
Head cabbage	-	-	-	*	*	*	*	*	*
Ethiopian cabbage	-	-	-	-	-	-	-	*	*
Tomatoes	*	*	-	-	-	*	*	*	*
Green peppers	-	-	-	-	-	11917	46	9902	*
Red peppers	*	*	-	*	*	*	*	*	*
Swiss chard	-	-	-	-	-	*	*	-	-
Root crops	*	*	-	-	-	10964	227	11936	*
Beetroot	-	-	-	-	-	*	*	*	*
Carrot	-	-	-	-	-	*	*	*	*
Onion	*	*	-	-	-	3842	*	*	*
Potatoes	-	-	-	-	-	-	-	*	*
Garlic	*	*	-	-	-	8261	*	8942	58
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other Temporary	-	-	-	-	-	*	*	*	*
Permanent crops				*	*	5702	37	4698	*
Avocado				-	-	-	-	-	-
Bananas				-	-	*	*	*	*
Guava				-	-	1478	*	*	*
Lemons				*	*	*	*	-	-
Mangoes				-	-	*	*	-	-
Oranges				-	-	1470	*	1824	*
Papayas				-	-	*	*	*	*
Pineapples				-	-	-	-	-	-
Stimulant	*	*	-	-	-	*	*	*	*
Chat				-	-	-	-	-	-
Coffee	*	*	-	-	-	*	*	*	*
Hops / 'Gesho'				-	-	10880	*	9976	*
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
All	95616	76442	76843	67180	9172	48318	12674	11138
Cereals	77518	69359	72152	49643	6610	45741	11286	9965
Teff	8669	7019	4679	3140	417	7456	1214	822
Barley	29359	26257	28008	25124	3219	35549	6384	5849
Wheat	28648	26727	33308	12277	1203	22310	2948	2682
Maize	3713	3437	2338	24147	1272	9488	503	451
Sorghum	2943	*	1224	3263	203	1052	*	*
Finger millet	4179	3703	2582	2906	296	*	*	*
Oats / 'Aja'	*	*	*	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
Pulses	11457	5490	3784	17541	1826	11682	1288	*
Horse / Faba beans	2727	1873	1559	10360	500	6947	*	*
Field Peas	2535	2064	1648	4388	309	5888	*	*
Haricot beans	*	-	-	-	-	-	-	-
Chick peas	*	*	*	*	*	-	-	-
Lentils	790	491	502	*	*	*	*	*
Vetch / Grass peas	3870	*	*	*	*	-	-	-
Soya beans	*	-	-	-	-	-	-	-
Fenugreek	163	11	*	1603	*	*	*	*
Gibto	-	-	-	-	-	-	-	-
Oilseeds	771	164	106	3201	*	*	*	*
Neug	*	*	*	*	*	-	-	-
Linseed	723	117	*	2904	*	*	*	*
Groundnuts	-	-	-	-	-	-	-	-
Safflower	*	*	*	-	-	*	*	*
Sesame	-	-	-	-	-	-	-	-
Rapeseed	*	*	*	-	-	-	-	-
Vegetables	193	170	*	*	27	*	*	*
Lettuce	*	-	-	-	-	-	-	-
Head cabbage	*	*	*	*	*	-	-	-
Ethiopian cabbage	*	*	-	*	*	-	-	-
Tomatoes	45	45	*	*	*	-	-	-
Green peppers	77	*	*	*	*	*	*	*
Red peppers	*	*	*	*	*	-	-	-
Swiss chard	*	-	-	-	-	-	-	-
Root crops	485	428	*	6699	77	*	*	*
Beetroot	-	-	-	-	-	-	-	-
Carrot	*	-	-	-	-	-	-	-
Onion	*	13	*	1672	5	*	*	*
Potatoes	409	*	*	1313	*	*	*	*
Garlic	29	18	11	*	*	*	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-
Other Temporary	*	*	-	*	*	-	-	-
Permanent crops	115	19		2952	*			
Avocado	*	*		*	*			
Bananas	*	*		-	-			
Guava	103	*		2109	*			
Lemons	*	*		*	*			
Mangoes	*	*		*	*			
Oranges	6	*		*	*			
Papayas	*	*		*	*			
Pineapples	-	-		-	-			
Stimulant	*	*		7806	21			
Chat	*	-		-	-			
Coffee	*	*		*	*			
Hops / 'Gesho'	*	*		7513	21			
Enset	-	-		-	-			
Sugar cane	-	-		-	-			
Other permanent	4619	495		10552	494			

(Table 1.1.3 cont'd.)

East Tigray

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	33723	5982	3382	106030	48615	62323	156910	93512	123903
Cereals	30180	5463	3132	105469	46000	59055	154283	75566	108942
Teff	11194	1271	733	23511	4118	3124	45840	8669	5037
Barley	5434	*	*	85713	15946	21655	135819	29359	50730
Wheat	5866	885	750	91542	21690	29876	123990	26723	47002
Maize	8716	575	301	17381	1088	1586	62837	3685	2984
Sorghum	7331	*	*	10062	1036	811	23730	2943	1099
Finger millet	9242	1113	473	15552	2115	1990	29703	4179	2076
Oats / 'Aja'	-	-	-	*	*	*	*	*	*
Rice	-	-	-	-	-	-	-	-	-
Pulses	4464	*	186	23095	2154	2499	91199	11416	14546
Horse / Faba beans	2790	*	*	15573	584	936	55486	2685	4324
Field Peas	*	*	*	8914	*	1054	29291	2535	3642
Haricot beans	-	-	-	-	-	-	*	*	*
Chick peas	*	*	*	*	*	*	9774	*	1429
Lentils	*	*	*	*	462	*	11611	790	795
Vetch / Grass peas	-	-	-	*	*	*	22022	3870	4281
Soya beans	-	-	-	-	-	-	*	*	*
Fenugreek	-	-	-	*	*	*	10139	163	75
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	*	*	*	2001	62	89	16718	771	414
Neug	-	-	-	*	*	*	*	*	*
Linseed	*	*	*	*	*	*	14015	723	365
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	*	*	*	*	*	*
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	*	*	*	*	*	*	*	*	*
Vegetables	2129	*	*	2866	*	*	13869	192	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	*	*	*	*	*	*	*	*	-
Ethiopian cabbage	-	-	-	-	-	-	*	*	-
Tomatoes	*	*	*	1539	*	*	3436	45	-
Green peppers	*	*	*	1640	*	*	9541	77	-
Red peppers	-	-	-	*	*	*	*	*	-
Swiss chard	-	-	-	-	-	-	*	*	-
Root crops	1003	*	*	5660	*	*	19242	432	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	*	*	*	*	*	*	5813	*	-
Potatoes	*	*	*	*	*	*	5998	*	-
Garlic	*	*	*	*	*	*	10151	29	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other Temporary	-	-	-	-	-	-	4328	*	-
Permanent crops							8049	*	
Avocado							*	*	
Bananas							1057	*	
Guava							5635	*	
Lemons							*	*	
Mangoes							-	-	
Oranges							1078	*	
Papayas							*	*	
Pineapples							-	-	
Stimulant							36127	*	
Chat							*	*	
Coffee							1016	*	
Hops / 'Gesho'							35318	*	
Enset							-	-	
Sugar cane							-	-	
Other permanent							85870	4616	

(Table 1.1.3 Cont'd.)

East Tigray

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	17342	2104	3525	18890	5551	26671	1276	101330	51579
Cereals	12741	1952	3452	17731	*	6126	*	98292	45633
Teff	-	-	-	2789	*	*	*	30047	5033
Barley	-	-	-	8119	*	1564	*	80767	16309
Wheat	12194	1924	3423	14044	*	1596	*	78988	17101
Maize	*	*	*	-	-	*	*	33038	2137
Sorghum	-	-	-	-	-	-	-	11916	*
Finger millet	-	-	-	*	*	*	*	21065	3174
Oats / 'Aja'	-	-	-	-	-	-	-	*	*
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	*	*	*	*	*	36712	5152
Horse / Faba beans	*	*	*	*	*	*	*	22892	*
Field Peas	-	-	-	*	*	-	-	15620	1498
Haricot beans	-	-	-	-	-	-	-	*	*
Chick peas	-	-	-	*	*	-	-	5480	*
Lentils	-	-	-	-	-	-	-	*	*
Vetch / Grass peas	-	-	-	-	-	*	*	*	*
Soya beans	-	-	-	-	-	*	*	*	*
Fenugreek	-	-	-	-	-	*	*	1417	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	*	*	6055	139
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	4687	115
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	*	*
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	*	*	*	*
Vegetables	*	*	-	-	-	8588	*	6691	*
Lettuce	*	*	-	-	-	*	*	*	*
Head cabbage	*	*	-	-	-	*	*	*	*
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	-	-	-	-	-	2771	*	2078	40
Green peppers	-	-	-	-	-	5465	*	4348	*
Red peppers	-	-	-	-	-	*	*	*	*
Swiss chard	-	-	-	-	-	*	*	*	*
Root crops	*	*	-	*	*	6984	*	6660	*
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	*	*	*	*
Onion	*	*	-	*	*	1430	4	1995	*
Potatoes	*	*	-	-	-	*	*	*	*
Garlic	*	*	-	*	*	4183	16	2310	12
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other Temporary	-	-	-	-	-	*	*	*	*
Permanent crops				-	-	7266	104	3903	*
Avocado				-	-	*	*	*	*
Bananas				-	-	*	*	*	*
Guava				-	-	6158	96	2846	*
Lemons				-	-	*	*	*	*
Mangoes				-	-	*	*	*	*
Oranges				-	-	*	*	*	*
Papayas				-	-	*	*	*	*
Pineapples				-	-	-	-	-	-
Stimulant	*	*	-	-	-	*	*	1018	*
Chat				-	-	*	*	-	-
Coffee	*	*	-	-	-	*	*	1018	*
Hops / 'Gesho'				*	*	10134	37	8266	26
Enset				-	-	-	-		
Sugar cane				-	-	-	-	-	-
Other permanent				*	*	3341	11	6100	149

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

South Tigray

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	215661	119386	107792	81742	14840	31062	12165	9990
Cereals	186397	114158	103687	58349	13441	27565	11314	9300
Teff	41619	21161	13926	8761	1954	4272	1537	987
Barley	44429	31518	33945	20150	2636	13871	4487	3698
Wheat	49242	38821	41280	13683	2674	14261	4294	3965
Maize	7331	5990	4015	27541	2217	*	*	*
Sorghum	42667	16077	10249	10477	3783	2824	776	518
Finger millet	690	575	272	1195	*	-	-	-
Oats / 'Aja'	*	*	-	*	*	-	-	-
Rice	-	-	-	-	-	-	-	-
Pulses	20134	3598	2202	16358	1068	*	*	*
Horse / Faba beans	3454	*	*	8948	253	*	*	*
Field Peas	2732	737	*	*	*	*	*	*
Haricot beans	*	*	*	*	*	-	-	-
Chick peas	2242	*	*	*	*	-	-	-
Lentils	4431	543	*	1564	190	*	*	*
Vetch / Grass peas	6498	*	*	*	*	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	280	53	*	*	*	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	4584	118	*	2273	*	*	*	*
Neug	*	-	-	-	-	-	-	-
Linseed	3735	*	*	1370	*	*	*	*
Groundnuts	*	*	-	*	*	-	-	-
Safflower	*	*	-	*	*	-	-	-
Sesame	*	-	-	-	-	-	-	-
Rapeseed	*	*	-	*	*	-	-	-
Vegetables	481	213	256	5251	36	*	*	*
Lettuce	*	*	*	*	*	-	-	-
Head cabbage	*	*	*	*	*	-	-	-
Ethiopian cabbage	*	*	-	*	*	-	-	-
Tomatoes	*	*	*	*	*	-	-	-
Green peppers	107	57	*	2562	*	-	-	-
Red peppers	244	*	*	1195	*	*	*	*
Swiss chard	*	*	-	*	*	-	-	-
Root crops	1287	893	1054	11854	120	3286	*	*
Beetroot	*	*	-	*	*	-	-	-
Carrot	*	*	*	*	*	*	*	*
Onion	*	*	*	*	*	-	-	-
Potatoes	*	*	*	*	*	*	*	*
Garlic	652	416	607	4633	40	2348	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-
Other Temporary	143	41	*	8987	27	-	-	-
Permanent crops	175	16		*	*			
Avocado	*	*		-	-			
Bananas	*	-		-	-			
Guava	*	*		*	*			
Lemons	*	*		-	-			
Mangoes	*	-		-	-			
Oranges	*	-		-	-			
Papayas	*	*		*	*			
Pineapples	-	-		-	-			
Stimulant	*	*		8301	*			
Chat	*	*		-	-			
Coffee	*	-		-	-			
Hops / 'Gesho'	387	*		8301	*			
Enset	-	-		-	-			
Sugar cane	*	-		-	-			
Other permanent	866	*		5379	*			

(Table 1.1.4 cont'd.)

South Tigray

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	46651	12849	9840	130589	79532	87962	233316	209688	220218
Cereals	43286	12237	9242	128685	77165	85146	225243	180658	195865
Teff	8889	2215	1437	50705	15455	11501	118558	40661	16669
Barley	16206	3157	2577	78076	21238	27670	153174	44395	82712
Wheat	17618	3876	3411	86906	27977	33904	138732	44630	80260
Maize	13290	953	793	25337	2599	3090	86394	7266	3665
Sorghum	7644	2001	1003	19420	9517	8728	88523	42597	11485
Finger millet	*	*	*	2331	*	252	4449	690	199
Oats / 'Aja'	-	-	-	-	-	-	*	*	*
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	*	13355	1596	1536	107152	20134	22373
Horse / Faba beans	*	*	*	5822	712	731	37823	3454	5759
Field Peas	*	*	*	*	*	*	17094	2732	3343
Haricot beans	-	-	-	*	*	*	*	*	*
Chick peas	-	-	-	*	*	*	13596	2242	1641
Lentils	-	-	-	2786	*	*	30273	4431	4941
Vetch / Grass peas	-	-	-	*	*	*	32418	6498	6372
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	*	*	*	*	*	*	13006	280	218
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	*	-	*	*	*	*	35019	4584	1980
Neug	-	-	-	-	-	-	*	*	*
Linseed	*	-	*	*	*	*	29414	3735	1694
Groundnuts	-	-	-	-	-	-	*	*	*
Safflower	-	-	-	-	-	-	*	*	*
Sesame	-	-	-	-	-	-	*	*	*
Rapeseed	-	-	-	-	-	-	*	*	*
Vegetables	*	*	*	3347	*	132	20868	465	-
Lettuce	-	-	-	*	*	*	*	*	-
Head cabbage	-	-	-	*	*	*	*	*	-
Ethiopian cabbage	-	-	-	-	-	-	*	*	-
Tomatoes	*	*	*	1329	*	*	4536	*	-
Green peppers	*	*	*	1386	*	*	7813	107	-
Red peppers	*	*	*	*	*	*	9067	242	-
Swiss chard	-	-	-	-	-	-	*	*	-
Root crops	7759	*	*	14844	381	638	45904	1116	-
Beetroot	-	-	-	-	-	-	*	*	-
Carrot	*	*	*	*	*	*	*	*	-
Onion	*	*	*	*	*	*	6431	73	-
Potatoes	*	*	*	3401	*	*	16045	*	-
Garlic	*	*	*	9751	208	393	30787	652	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other Temporary	*	*	*	*	*	*	31377	136	-
Permanent crops							11237	*	
Avocado							*	*	
Bananas							*	*	
Guava							5899	*	
Lemons							*	*	
Mangoes							*	*	
Oranges							*	*	
Papayas							3211	*	
Pineapples							-	-	
Stimulant							41233	*	
Chat							*	*	
Coffee							3516	*	
Hops / 'Gesho'							32532	378	
Enset							-	-	
Sugar cane							*	*	
Other permanent							32462	864	

(Table 1.1.4 Cont'd.)

South Tigray

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	28550	5974	8356	24315	10299	55455	8514	155453	97044
Cereals	20111	5739	8356	21599	9845	23501	5912	150541	91896
Teff	*	*	*	12175	*	4399	658	60631	19392
Barley	*	*	*	*	*	4642	754	88457	23901
Wheat	16699	4612	8006	*	*	9729	1703	105069	34213
Maize	*	*	*	*	*	5129	*	37703	3223
Sorghum	*	*	*	*	*	*	*	24396	10703
Finger millet	-	-	-	*	*	-	-	3236	465
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	*	*	5820	575	23409	3229
Horse / Faba beans	-	-	-	*	*	3382	314	10165	735
Field Peas	-	-	-	-	-	*	*	4446	*
Haricot beans	-	-	-	*	*	-	-	*	*
Chick peas	-	-	-	-	-	*	*	*	*
Lentils	-	-	-	-	-	*	*	5962	761
Vetch / Grass peas	-	-	-	-	-	*	*	2962	*
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	1492	*	3051	54
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	*	*	-	*	*	*	*	4786	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	*	*	-	-	3038	*
Groundnuts	-	-	-	-	-	-	-	*	*
Safflower	-	-	-	-	-	*	*	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	*	*	-	-	-	-	-	-	-
Vegetables	*	*	-	*	*	11847	254	7836	228
Lettuce	-	-	-	*	*	*	*	*	*
Head cabbage	-	-	-	-	-	*	*	*	*
Ethiopian cabbage	-	-	-	-	-	*	*	-	-
Tomatoes	-	-	-	*	*	3025	*	2693	*
Green peppers	-	-	-	-	-	3865	*	2043	*
Red peppers	*	*	-	-	-	4054	75	*	97
Swiss chard	*	*	-	*	*	*	*	*	*
Root crops	*	*	-	*	*	21572	647	28111	811
Beetroot	-	-	-	-	-	*	*	-	-
Carrot	*	*	-	-	-	*	*	*	*
Onion	*	*	-	*	*	5070	*	5152	*
Potatoes	*	*	-	-	-	3453	96	7475	143
Garlic	-	-	-	-	-	13237	372	16323	430
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other Temporary	*	*	-	-	-	4654	*	6363	28
Permanent crops				-	-	9842	130	5069	*
Avocado				-	-	*	*	*	*
Bananas				-	-	*	*	*	*
Guava				-	-	*	*	3777	*
Lemons				-	-	1310	*	*	*
Mangoes				-	-	*	*	*	*
Oranges				-	-	*	*	-	-
Papayas				-	-	2889	12	*	*
Pineapples				-	-	-	-	-	-
Stimulant	*	*	-	*	*	7259	*	*	*
Chat				*	*	*	*	*	*
Coffee	*	*	-	-	-	3243	*	*	*
Hops / 'Gesho'				-	-	16735	196	7041	*
Enset				-	-	-	-		
Sugar cane				-	-	*	*	-	-
Other permanent				*	*	*	*	*	*

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

Western Tigray

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	158051	66821	39064	61942	12850	13864	8793	5263
Cereals	93669	44429	29037	57140	10284	8772	5423	3084
Teff	4896	4203	3996	*	588	1972	*	*
Barley	*	*	*	*	*	-	-	-
Wheat	*	*	*	*	*	-	-	-
Maize	5353	4140	*	52481	3128	2988	168	*
Sorghum	67128	26568	16095	12351	4128	4739	3482	1681
Finger millet	12678	6517	3260	7001	2181	2583	862	560
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	*	*	*	-	-	*	*	*
Pulses	1503	390	156	4989	241	*	*	*
Horse / Faba beans	647	301	*	4377	200	*	*	*
Field Peas	*	*	-	*	*	-	-	-
Haricot beans	*	*	-	*	*	-	-	-
Chick peas	*	*	*	*	*	*	*	*
Lentils	*	*	*	-	-	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	*	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	61572	21562	9626	4784	2012	6847	3288	2111
Neug	2094	*	-	*	*	-	-	-
Linseed	*	*	-	*	*	-	-	-
Groundnuts	-	-	-	-	-	-	-	-
Safflower	*	-	-	-	-	-	-	-
Sesame	59423	21421	9626	2889	1871	6847	3288	2111
Rapeseed	*	*	-	*	*	-	-	-
Vegetables	269	195	*	18445	162	1149	*	*
Lettuce	*	*	-	*	*	-	-	-
Head cabbage	*	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-
Tomatoes	*	*	*	1420	*	*	*	*
Green peppers	16	*	*	*	*	-	-	-
Red peppers	218	158	*	15792	143	913	5	*
Swiss chard	-	-	-	-	-	-	-	-
Root crops	*	*	-	2619	*	-	-	-
Beetroot	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	*	*	-	*	*	-	-	-
Potatoes	-	-	-	-	-	-	-	-
Garlic	*	*	-	*	*	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-
Other Temporary	16	*	-	*	*	-	-	-
Permanent crops	*	76		2223	*			
Avocado	-	-		-	-			
Bananas	78	*		*	*			
Guava	*	*		*	*			
Lemons	17	*		*	*			
Mangoes	*	-		-	-			
Oranges	*	*		*	*			
Papayas	*	*		*	*			
Pineapples	-	-		-	-			
Stimulant	203	*		3312	*			
Chat	*	-		-	-			
Coffee	*	*		*	*			
Hops / 'Gesho'	185	*		3212	*			
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
All	8429	5274	2522	35170	39904	31279	103473	156976	35194
Cereals	7085	4749	2276	31441	23973	23677	99988	93347	24956
Teff	*	*	*	9069	2671	3385	15840	4896	2155
Barley	*	*	*	*	*	*	*	*	*
Wheat	*	*	*	*	*	*	*	*	*
Maize	1537	*	*	4457	*	*	79379	5353	1987
Sorghum	3509	3442	1124	18215	15517	13290	85884	67101	14399
Finger millet	1615	516	*	7367	2958	2532	38766	12678	3873
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	*	*	*	*	*	*	*	*	*
Pulses	-	-	-	1180	84	113	20184	1503	757
Horse / Faba beans	-	-	-	753	*	*	12350	647	457
Field Peas	-	-	-	-	-	-	*	*	*
Haricot beans	-	-	-	-	-	-	*	*	*
Chick peas	-	-	-	*	*	*	2375	*	*
Lentils	-	-	-	*	*	*	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	*	*	*
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	987	*	*	11662	15755	7294	78663	61364	9481
Neug	-	-	-	-	-	-	9994	2094	552
Linseed	-	-	-	-	-	-	748	*	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	*	*	*
Sesame	987	*	*	11662	15755	7294	70426	59215	8896
Rapeseed	-	-	-	-	-	-	*	*	*
Vegetables	*	*	*	*	*	*	26990	267	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	-	-	-	-	-	-	*	*	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	-	-	-	-	-	-	2219	*	-
Green peppers	*	*	*	*	*	*	3300	16	-
Red peppers	*	*	*	*	*	*	22812	216	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	-	-	-	-	-	-	*	*	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	*	*	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	*	*	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other Temporary	-	-	-	-	-	-	1934	8	-
Permanent crops							5677	152	
Avocado							-	-	
Bananas							1379	53	
Guava							1265	*	
Lemons							3081	17	
Mangoes							*	*	
Oranges							*	*	
Papayas							2514	*	
Pineapples							-	-	
Stimulant							8997	203	
Chat							*	*	
Coffee							*	*	
Hops / 'Gesho'							8720	185	
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
All	3341	*	*	27540	29039	8409	795	38996	39615
Cereals	*	*	*	26736	28631	*	*	36070	26636
Teff	-	-	-	2088	429	*	*	9063	2738
Barley	-	-	-	-	-	-	-	*	*
Wheat	-	-	-	-	-	-	-	*	*
Maize	-	-	-	5352	*	*	*	8942	*
Sorghum	*	*	-	23145	23833	*	*	21495	17208
Finger millet	-	-	-	9685	3289	-	-	8970	2868
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	*	*	*	-	-	-	-	*	*
Pulses	-	-	-	*	*	*	*	2130	146
Horse / Faba beans	-	-	-	*	*	-	-	1061	*
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	-	-	-	-
Chick peas	-	-	-	-	-	*	*	*	*
Lentils	-	-	-	-	-	-	-	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	*	*	*	*	*	-	-	14227	12493
Neug	-	-	-	-	-	-	-	*	*
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	*	*	*	*	*	-	-	14030	12477
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	*	*	-	-	-	3978	96	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	*	*	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	-	-	-	-	-	1269	*	-	-
Green peppers	-	-	-	-	-	*	*	*	*
Red peppers	*	*	-	-	-	*	*	*	*
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	-	-	-	*	*	-	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	*	*	-	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	*	*	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other Temporary	*	*	-	-	-	*	*	*	*
Permanent crops				*	*	4589	*	*	*
Avocado				-	-	-	-	-	-
Bananas				-	-	1642	77	*	*
Guava				*	*	*	*	*	*
Lemons				*	*	*	*	-	-
Mangoes				-	-	*	*	-	-
Oranges				-	-	*	*	-	-
Papayas				-	-	2485	*	*	*
Pineapples				-	-	-	-	-	-
Stimulant	-	-	-	-	-	*	*	*	*
Chat				-	-	*	*	*	*
Coffee	-	-	-	-	-	-	-	-	-
Hops / 'Gesho'				-	-	*	*	*	*
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
All	4393	*	*	*	*	*	*	*
Cereals	3754	*	*	*	*	-	-	-
Teff	-	-	-	-	-	-	-	-
Barley	*	-	-	-	-	-	-	-
Wheat	*	*	*	*	*	-	-	-
Maize	3346	-	-	-	-	-	-	-
Sorghum	*	-	-	-	-	-	-	-
Finger millet	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
Pulses	-	-	-	-	-	-	-	-
Horse / Faba beans	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	-	-	-
Chick peas	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-
Vegetables	152	-	-	-	-	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-
Tomatoes	29	-	-	-	-	-	-	-
Green peppers	*	-	-	-	-	-	-	-
Red peppers	*	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
Root crops	*	*	*	*	*	*	*	*
Beetroot	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	*	*	*	*	*	*	*	*
Potatoes	-	-	-	-	-	-	-	-
Garlic	*	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-
Other Temporary	-	-	-	-	-	-	-	-
Permanent crops	27	*		*	*			
Avocado	-	-		-	-			
Bananas	*	-		-	-			
Guava	*	-		-	-			
Lemons	*	-		-	-			
Mangoes	*	*		*	*			
Oranges	-	-		-	-			
Papayas	*	-		-	-			
Pineapples	-	-		-	-			
Stimulant	-	-		-	-			
Chat	-	-		-	-			
Coffee	-	-		-	-			
Hops / 'Gesho'	-	-		-	-			
Enset	-	-		-	-			
Sugar cane	-	-		-	-			
Other permanent	271	-		-	-			

(Table 1.2 cont'd.)

Afar Region

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	-	-	-	*	*	*	17795	4259	2120
Cereals	-	-	-	*	*	*	6029	3694	2120
Teff	-	-	-	-	-	-	-	-	-
Barley	-	-	-	-	-	-	-	-	-
Wheat	-	-	-	*	*	*	*	*	*
Maize	-	-	-	-	-	-	5476	3324	1873
Sorghum	-	-	-	-	-	-	*	*	*
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	-	-	-	-	-	-
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	-	-	-	-
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	-	-	-	-	-	-	2086	143	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	-	-	-	-	-	-	464	*	-
Green peppers	-	-	-	-	-	-	*	*	-
Red peppers	-	-	-	-	-	-	589	*	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	-	-	-	*	*	*	*	*	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	*	*	*	*	*	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	*	*	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other Temporary	-	-	-	-	-	-	-	-	-
Permanent crops							1209	*	
Avocado							-	-	
Bananas							*	*	
Guava							*	*	
Lemons							*	*	
Mangoes							418	*	
Oranges							-	-	
Papayas							459	*	
Pineapples							-	-	
Stimulant							-	-	
Chat							-	-	
Coffee							-	-	
Hops / 'Gesho'							-	-	
Enset							-	-	
Sugar cane							-	-	
Other permanent							11916	271	

(Table 1.2 Cont'd.)

Afar Region

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	983	*	*	*	*	17552	4377	*	*
Cereals	*	*	*	-	-	6300	3754	*	*
Teff	-	-	-	-	-	-	-	-	-
Barley	*	*	*	-	-	*	*	-	-
Wheat	*	*	*	-	-	*	*	-	-
Maize	*	*	*	-	-	5569	3346	*	*
Sorghum	-	-	-	-	-	*	*	*	*
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	-	-	-	-	-	-
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	-	-	-	-
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	*	*	-	-	-	2300	152	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	*	*	-	-	-	607	29	-	-
Green peppers	-	-	-	-	-	*	*	-	-
Red peppers	*	*	-	-	-	661	*	*	*
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	-	*	*	*	*	*	*
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	*	*	-	*	*	*	*	*	*
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	*	*	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other Temporary	-	-	-	-	-	-	-	-	-
Permanent crops				-	-	1480	27	*	*
Avocado				-	-	-	-	-	-
Bananas				-	-	*	*	-	-
Guava				-	-	*	*	-	-
Lemons				-	-	*	*	*	*
Mangoes				-	-	689	*	*	*
Oranges				-	-	-	-	-	-
Papayas				-	-	530	*	*	*
Pineapples				-	-	-	-	-	-
Stimulant	-	-	-	-	-	-	-	-	-
Chat				-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-	-
Hops / 'Gesho'				-	-	-	-	-	-
Enset				-	-	-	-		
Sugar cane				-	-	-	-	-	-
Other permanent				*	*	10936	255	*	*

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

Zone 1

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	3944	-	-	-	-	-	-	-
Cereals	3505	-	-	-	-	-	-	-
Teff	-	-	-	-	-	-	-	-
Barley	*	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-
Maize	3333	-	-	-	-	-	-	-
Sorghum	*	-	-	-	-	-	-	-
Finger millet	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
Pulses	-	-	-	-	-	-	-	-
Horse / Faba beans	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	-	-	-
Chick peas	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-
Vegetables	152	-	-	-	-	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-
Tomatoes	29	-	-	-	-	-	-	-
Green peppers	*	-	-	-	-	-	-	-
Red peppers	*	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
Root crops	*	-	-	-	-	-	-	-
Beetroot	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	*	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-
Garlic	*	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-
Other Temporary	-	-	-	-	-	-	-	-
Permanent crops	14	-		-	-			
Avocado	-	-		-	-			
Bananas	*	-		-	-			
Guava	*	-		-	-			
Lemons	*	-		-	-			
Mangoes	*	-		-	-			
Oranges	-	-		-	-			
Papayas	*	-		-	-			
Pineapples	-	-		-	-			
Stimulant	-	-		-	-			
Chat	-	-		-	-			
Coffee	-	-		-	-			
Hops / 'Gesho'	-	-		-	-			
Enset	-	-		-	-			
Sugar cane	-	-		-	-			
Other permanent	271	-		-	-			

(Table 1.2.1cont'd.)

Zone 1

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	-	-	-	-	-	-	16810	3889	2009
Cereals	-	-	-	-	-	-	5561	3465	2009
Teff	-	-	-	-	-	-	-	-	-
Barley	-	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-	-
Maize	-	-	-	-	-	-	5338	3311	1870
Sorghum	-	-	-	-	-	-	*	*	*
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	-	-	-	-	-	-
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	-	-	-	-
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	-	-	-	-	-	-	2086	143	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	-	-	-	-	-	-	464	*	-
Green peppers	-	-	-	-	-	-	*	*	-
Red peppers	-	-	-	-	-	-	589	*	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	-	-	-	-	-	-	*	*	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	*	*	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	*	*	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other Temporary	-	-	-	-	-	-	-	-	-
Permanent crops							823	9	
Avocado							-	-	
Bananas							*	*	
Guava							*	*	
Lemons							*	*	
Mangoes							*	*	
Oranges							-	-	
Papayas							*	*	
Pineapples							-	-	
Stimulant							-	-	
Chat							-	-	
Coffee							-	-	
Hops / 'Gesho'							-	-	
Enset							-	-	
Sugar cane							-	-	
Other permanent							11916	271	

Table 1.2.1 Cont'd.)

Zone 1

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	*	*	*	*	*	16207	3928	*	*
Cereals	*	*	*	-	-	5700	3505	*	*
Teff	-	-	-	-	-	-	-	-	-
Barley	*	*	*	-	-	*	*	-	-
Wheat	-	-	-	-	-	-	-	-	-
Maize	*	*	*	-	-	5431	3333	*	*
Sorghum	-	-	-	-	-	*	*	*	*
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	-	-	-	-	-	-
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	-	-	-	-
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	*	*	-	-	-	2300	152	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	*	*	-	-	-	607	29	-	-
Green peppers	-	-	-	-	-	*	*	-	-
Red peppers	*	*	-	-	-	661	*	*	*
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	-	-	-	-	-	*	*	*	*
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	*	*	*	*
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	*	*	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other Temporary	-	-	-	-	-	-	-	-	-
Permanent crops				-	-	1094	14	*	*
Avocado				-	-	-	-	-	-
Bananas				-	-	*	*	-	-
Guava				-	-	*	*	-	-
Lemons				-	-	*	*	*	*
Mangoes				-	-	612	*	*	*
Oranges				-	-	-	-	-	-
Papayas				-	-	453	*	*	*
Pineapples				-	-	-	-	-	-
Stimulant	-	-	-	-	-	-	-	-	-
Chat				-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-	-
Hops / 'Gesho'				-	-	-	-	-	-
Enset				-	-	-	-		
Sugar cane				-	-	-	-	-	-
Other permanent				*	*	10936	255	*	*

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

Zone 3

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

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

Amhara Region

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	4529191	2242562	2208860	2912473	458875	843517	389937	333993
Cereals	3254156	1958841	1988098	2100289	329202	733075	341458	292038
Teff	1090140	792012	781119	230397	43509	396202	152172	127135
Barley	388113	167812	101615	561297	73240	126687	31972	29075
Wheat	498192	345273	440395	354053	40674	129205	28617	27211
Maize	434642	389359	494932	1402008	107766	160952	18343	17920
Sorghum	578276	91929	26202	268081	57171	15992	6298	2092
Finger millet	226547	165080	139274	52811	5415	263767	103848	88517
Oats / 'Aja'	3477	1624	1211	19181	855	*	*	*
Rice	34769	5752	*	*	*	*	*	*
Pulses	821900	132049	64121	782777	71578	216643	33145	28538
Horse / Faba beans	245066	77898	35084	544012	47875	154765	19359	18154
Field Peas	96708	20853	11527	116924	7183	74924	9564	7723
Haricot beans	96417	7704	4596	123086	5181	6685	293	337
Chick peas	130382	6386	*	35596	4426	6714	1002	*
Lentils	77368	6219	2865	44224	2676	4753	*	*
Vetch / Grass peas	124615	5631	2601	23598	2567	6449	*	*
Soya beans	*	*	*	*	*	*	*	*
Fenugreek	15436	4701	3743	93150	1072	4148	228	*
Gibto	32824	1910	1791	7578	*	13901	672	644
Oilseeds	290329	44354	44425	404530	16903	104456	9101	6732
Neug	97522	8381	1731	19399	4287	15047	3478	828
Linseed	43779	2856	840	50653	1884	8546	390	255
Groundnuts	3818	*	*	7036	*	*	*	*
Safflower	8660	2684	3042	33434	916	4360	221	304
Sesame	107596	4580	2808	29779	1955	3315	*	*
Rapeseed	28954	25300	35995	292134	7315	77631	3481	4666
Vegetables	54364	47669	73218	838129	7597	54356	1589	1795
Lettuce	24	11	*	9424	11	-	-	-
Head cabbage	578	411	191	62679	283	2252	*	*
Ethiopian cabbage	977	717	56	186719	682	*	*	*
Tomatoes	657	338	112	33729	236	*	*	*
Green peppers	1508	1195	*	139136	806	*	*	*
Red peppers	50586	44981	72299	486891	5566	46894	1543	1728
Swiss chard	35	16	*	14313	15	-	-	-
Root crops	41856	30180	26902	1045711	12515	112958	4309	4455
Beetroot	200	127	*	36932	109	-	-	-
Carrot	147	44	*	12240	14	*	*	*
Onion	7918	6749	*	96534	979	8580	*	*
Potatoes	22513	14901	8631	288993	7625	70847	3766	3579
Garlic	10363	7770	6720	814956	3615	40713	312	389
Taro 'Godere'	*	-	-	-	-	-	-	-
Sweet potatoes	714	589	*	14759	*	-	-	-
Other Temporary	28871	10139	8804	592626	3646	18247	163	234
Permanent crops	2881	1258		167512	1097			
Avocado	59	31		11487	31			
Bananas	689	353		54889	346			
Guava	332	75		21168	67			
Lemons	308	126		23146	*			
Mangoes	247	108		28016	89			
Oranges	937	507		55152	394			
Papayas	310	59		31874	57			
Pineapples	-	-		-	-			
Stimulant	31665	16981		770697	15431			
Chat	8356	5020		135115	4770			
Coffee	7788	3879		200547	3758			
Hops / 'Gesho'	15521	8082		618962	6903			
Enset	*	*		*	*			
Sugar cane	2331	619		34385	504			
Other permanent	819	472		121292	402			

(Table 1.3 cont'd.)

Amhara Region

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	745244	163045	112162	2111336	1230706	1762705	4356048	4282960	3360506
Cereals	590566	148823	99052	2041224	1139359	1597008	4139468	3012511	2375382
Teff	283350	81776	49671	1139728	514555	604313	2490537	1068939	524354
Barley	60229	9310	6373	280667	53290	66167	1653239	386837	610008
Wheat	95236	16870	12826	816739	259113	400359	1667486	483146	806761
Maize	188709	19470	19003	899481	243781	458008	2238237	230676	92612
Sorghum	46836	7445	4746	96557	21015	19364	1311146	578120	149061
Finger millet	46893	10058	3799	169725	45760	46957	716863	226547	117447
Oats / 'Aja'	*	*	*	10209	543	987	63150	3477	4699
Rice	*	*	*	3868	1302	*	76555	34769	*
Pulses	79717	5543	4034	281107	21783	31549	2886435	820047	911744
Horse / Faba beans	30352	1189	1019	174749	9476	15912	1756103	244676	340505
Field Peas	6444	802	226	38729	3304	3578	777216	96582	120078
Haricot beans	18035	661	806	33912	1568	3453	568972	96134	83027
Chick peas	*	*	*	*	*	*	636110	129333	130573
Lentils	6796	901	402	21032	2291	2294	547706	77368	66946
Vetch / Grass peas	*	*	*	8534	866	1194	585220	124615	138494
Soya beans	*	*	*	*	*	*	13705	*	*
Fenugreek	6763	*	*	35374	2986	3350	333452	15429	10634
Gibto	*	*	*	14331	510	975	166974	32824	16776
Oilseeds	59470	1581	1962	317557	16768	35731	1762299	290254	73379
Neug	4682	189	147	7945	427	757	502884	97522	24105
Linseed	*	*	*	15486	551	544	534259	43777	15772
Groundnuts	*	*	*	-	-	-	42042	3818	4450
Safflower	10144	267	326	22606	1280	2412	170091	8660	1340
Sesame	4360	*	*	11765	802	1723	326631	107582	18450
Rapeseed	38164	798	1033	266995	13707	30295	676749	28895	*
Vegetables	151953	2441	2596	317629	36041	68827	1732942	54199	-
Lettuce	-	-	-	*	*	*	15218	15	-
Head cabbage	7919	40	41	8553	*	*	107239	541	-
Ethiopian cabbage	5264	*	*	2982	*	*	284338	959	-
Tomatoes	*	*	*	*	*	*	67017	632	-
Green peppers	11075	114	117	*	*	*	223605	1508	-
Red peppers	128870	2244	2409	290162	35628	68163	1193743	50513	-
Swiss chard	-	-	-	*	*	*	27371	31	-
Root crops	157576	2515	3193	278902	10841	19254	1923726	41280	-
Beetroot	*	*	*	*	*	*	59052	192	-
Carrot	*	*	*	*	*	*	25615	124	-
Onion	29103	1000	1645	69763	*	*	280033	7874	-
Potatoes	17599	678	560	70394	2833	4492	584197	22449	-
Garlic	118519	815	959	178976	3028	5372	1482338	10341	-
Taro 'Godere'	-	-	-	-	-	-	*	*	-
Sweet potatoes	-	-	-	*	*	*	31956	299	-
Other Temporary	53028	*	900	100292	4586	7669	1082584	28113	-
Permanent crops							338421	2782	
Avocado							19454	35	
Bananas							109904	672	
Guava							55598	323	
Lemons							60089	303	
Mangoes							54137	216	
Oranges							109313	931	
Papayas							78557	301	
Pineapples							-	-	
Stimulant							1458624	30641	
Chat							233474	8355	
Coffee							338807	6865	
Hops / 'Gesho'							1227754	15421	
Enset							2494	*	
Sugar cane							87389	2330	
Other permanent							217955	786	

(Table 1.3 Cont'd.)

Amhara Region

	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
Crop type	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	912271	246163	84510	915844	431546	509557	34241	1982663	1256719
Cereals	853804	241577	82865	760147	376992	105482	12290	1884096	1099616
Teff	65113	21132	6353	381268	150733	16594	2775	971592	433386
Barley	9818	1276	2149	78291	17064	15345	1389	309997	65762
Wheat	72303	15046	25411	219183	59330	7999	1290	587666	159772
Maize	764238	203966	48878	142264	28732	58258	2525	1127470	285571
Sorghum	*	*	*	109950	54454	21398	*	121838	45558
Finger millet	-	-	-	173137	65521	3792	*	307077	105882
Oats / 'Aja'	-	-	-	*	*	*	*	4199	496
Rice	-	-	-	*	*	*	*	*	*
Pulses	13465	1854	1643	135743	43171	21093	1717	548828	71715
Horse / Faba beans	*	*	*	30880	4723	8172	*	373703	37779
Field Peas	*	*	*	9690	796	*	*	108370	11029
Haricot beans	3233	*	59	24224	4705	3523	*	96971	10400
Chick peas	6105	*	*	35689	11126	*	*	18470	2893
Lentils	-	-	-	32352	*	*	*	17529	1629
Vetch / Grass peas	-	-	-	32394	*	*	*	24818	4050
Soya beans	-	-	-	-	-	-	-	3532	*
Fenugreek	*	*	*	3603	*	4408	*	24301	1388
Gibto	-	-	-	*	*	*	*	31034	1985
Oilseeds	3815	76	*	18335	1918	7962	502	439172	28016
Neug	-	-	-	*	*	*	*	33285	5545
Linseed	*	*	*	4486	*	*	*	22422	1706
Groundnuts	-	-	-	-	-	-	-	*	*
Safflower	-	-	-	5325	*	*	*	20909	1104
Sesame	*	*	*	5338	*	*	*	13291	1201
Rapeseed	2636	59	-	*	*	3723	*	366179	18286
Vegetables	21570	165	-	24046	382	163100	2560	427976	36886
Lettuce	*	*	-	-	-	*	*	*	*
Head cabbage	8469	37	-	*	*	31744	217	32140	168
Ethiopian cabbage	*	*	-	*	*	21021	83	25907	*
Tomatoes	*	*	-	*	*	15000	*	*	*
Green peppers	-	-	-	*	*	41925	455	23107	*
Red peppers	*	*	-	14466	296	81638	1614	359717	36092
Swiss chard	*	*	-	-	-	3670	5	3980	*
Root crops	19248	576	-	54443	*	182689	8086	382964	12234
Beetroot	3878	*	-	*	*	10618	33	10902	39
Carrot	3608	*	-	-	-	7730	*	4839	10
Onion	*	*	-	37906	*	75772	*	58387	*
Potatoes	3648	*	-	*	*	40274	2386	129458	5920
Garlic	3850	*	-	16499	*	93184	1309	236712	2271
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	-	-	-	4223	*	4835	*
Other Temporary	*	*	-	34194	2850	44521	*	148334	3948
Permanent crops				4918	*	112581	956	33382	294
Avocado				*	*	7746	24	3517	*
Bananas				*	*	55999	423	12581	121
Guava				-	-	12493	111	*	*
Lemons				*	*	12898	46	*	*
Mangoes				*	*	23842	109	*	*
Oranges				*	*	26429	206	8830	*
Papayas				-	-	22747	36	5474	11
Pineapples				-	-	-	-	-	-
Stimulant	28427	*	-	33167	1992	143496	4314	62482	1769
Chat				30353	1918	51357	2229	27151	673
Coffee	27966	*	-	3194	*	112522	2084	40402	*
Hops / 'Gesho'				17749	376	166527	1466	150571	1802
Enset				-	-	*	*		
Sugar cane				-	-	43016	962	14782	*
Other permanent				*	*	30575	80	27541	115

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
All	893240	292178	228245	427371	57001	91685	33375	21069
Cereals	625372	260374	209223	317989	42027	81039	29957	19091
Teff	131517	92772	67757	7901	1162	38900	10600	7250
Barley	52697	20479	16611	60374	6061	*	*	*
Wheat	75421	37984	37200	52834	6491	11108	1289	1102
Maize	74967	61429	56092	230505	21578	18888	1843	1317
Sorghum	220770	19158	*	25428	5475	5437	*	*
Finger millet	67496	27307	19558	*	*	26064	8225	4936
Oats / 'Aja'	*	*	*	*	*	-	-	-
Rice	*	*	*	-	-	-	-	-
Pulses	116502	9850	3306	59930	6764	9161	*	*
Horse / Faba beans	33028	6845	2693	42643	4999	*	*	*
Field Peas	13581	*	-	9733	*	-	-	-
Haricot beans	*	*	-	*	*	-	-	-
Chick peas	40013	*	*	*	*	*	*	*
Lentils	12080	*	-	*	*	-	-	-
Vetch / Grass peas	10304	*	*	*	*	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	*	*	*	7522	*	*	*	*
Gibto	-	-	-	-	-	-	-	-
Oilseeds	114759	3470	2403	30693	839	*	*	*
Neug	20225	*	-	*	*	-	-	-
Linseed	8699	359	*	*	*	*	*	*
Groundnuts	*	*	-	*	*	-	-	-
Safflower	*	*	*	*	*	*	*	*
Sesame	81908	*	*	*	*	*	*	*
Rapeseed	1529	834	*	19525	294	*	*	*
Vegetables	8466	5577	*	129358	1873	13692	*	375
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	*	*	*	*	*	-	-	-
Ethiopian cabbage	103	87	-	*	87	-	-	-
Tomatoes	203	133	*	*	*	*	*	*
Green peppers	*	*	*	*	*	*	*	*
Red peppers	7686	4949	*	94555	1606	9954	*	*
Swiss chard	*	*	-	*	*	-	-	-
Root crops	7509	5831	4996	142442	2460	16596	*	*
Beetroot	-	-	-	-	-	-	-	-
Carrot	*	-	-	-	-	-	-	-
Onion	1056	*	*	6898	*	*	*	*
Potatoes	3783	2717	1052	65841	1736	*	*	*
Garlic	2569	2138	*	109510	611	10022	104	132
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	-	*	*	-	-	-
Other Temporary	15032	4720	2254	65800	1175	*	*	*
Permanent crops	*	*		*	*			
Avocado	-	-		-	-			
Bananas	*	*		*	*			
Guava	*	*		*	*			
Lemons	*	*		*	*			
Mangoes	*	*		*	*			
Oranges	*	-		-	-			
Papayas	38	*		*	*			
Pineapples	-	-		-	-			
Stimulant	5225	*		53613	*			
Chat	*	*		*	*			
Coffee	*	*		*	*			
Hops / 'Gesho'	4088	1825		49176	1357			
Enset	-	-		-	-			
Sugar cane	-	-		-	-			
Other permanent	86	*		*	*			

(Table 1.3.1 cont'd.)

North Gondar

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	98308	21772	11947	322911	180030	195229	686917	861451	515865
Cereals	77921	19440	10736	312186	168950	179396	654165	594434	377713
Teff	29289	7267	3020	173841	73743	57488	324508	128622	71368
Barley	*	*	*	49466	10603	12773	233973	52192	79479
Wheat	11616	2402	1919	80712	27802	34179	192675	70554	108982
Maize	32862	3886	3414	175623	34122	51360	413086	52303	20800
Sorghum	*	*	*	37225	*	*	395322	220764	68119
Finger millet	15438	4950	1602	56121	12958	13020	228726	67496	25644
Oats / 'Aja'	-	-	-	*	*	*	*	*	*
Rice	*	*	*	*	*	*	*	*	*
Pulses	4938	*	*	33651	1990	2719	361552	115751	116329
Horse / Faba beans	4289	69	57	28752	1375	2250	227516	32960	41586
Field Peas	-	-	-	-	-	-	86147	13581	20287
Haricot beans	-	-	-	-	-	-	32870	*	*
Chick peas	-	-	-	-	-	-	144510	39330	32693
Lentils	-	-	-	-	-	-	61472	12080	11181
Vetch / Grass peas	*	*	*	-	-	-	52596	10304	5682
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	*	*	*	44293	*	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	*	*	*	22400	1165	1833	336588	114759	21823
Neug	-	-	-	-	-	-	84625	20225	4901
Linseed	-	-	-	*	*	*	101892	8699	3420
Groundnuts	-	-	-	-	-	-	*	*	*
Safflower	*	*	*	*	*	*	38149	*	522
Sesame	-	-	-	-	-	-	143795	81908	12691
Rapeseed	*	*	*	*	*	*	50663	1529	264
Vegetables	19213	442	355	69918	2663	*	329125	8370	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	*	*	*	*	*	*	5443	30	-
Ethiopian cabbage	-	-	-	-	-	-	*	103	-
Tomatoes	*	*	*	*	*	*	14554	181	-
Green peppers	*	*	*	*	*	*	34196	*	-
Red peppers	13462	317	262	59810	*	*	270653	7630	-
Swiss chard	-	-	-	-	-	-	*	*	-
Root crops	21112	310	373	77761	2543	4174	295189	7509	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	*	*	*	*	*	*	39446	1056	-
Potatoes	5015	*	*	15315	434	572	125989	3783	-
Garlic	15363	134	154	59137	*	*	233391	2569	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	*	*	-
Other Temporary	7419	*	*	35829	2259	1823	152945	15028	-
Permanent crops							31803	*	
Avocado							-	-	
Bananas							5148	*	
Guava							*	*	
Lemons							*	*	
Mangoes							*	*	
Oranges							*	*	
Papayas							17417	38	
Pineapples							-	-	
Stimulant							120273	5225	
Chat							*	*	
Coffee							26420	*	
Hops / 'Gesho'							113493	4088	
Enset							-	-	
Sugar cane							-	-	
Other permanent							9804	86	

(Table 1.3.1 Cont'd.)

North Gondar

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	145167	31789	14902	139619	64488	38974	3573	341077	177435
Cereals	140030	30938	14392	127989	59491	13213	1625	323425	161584
Teff	9099	2896	*	35171	12334	*	*	156541	63438
Barley	*	*	*	*	*	*	*	57810	9806
Wheat	24594	4867	7164	11936	2144	*	*	82259	17565
Maize	112086	22664	5032	66306	9969	*	*	191343	37323
Sorghum	*	*	*	24559	19432	*	*	44278	18324
Finger millet	-	-	-	26400	10621	*	*	57617	14803
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	*	*	-	-	*	*
Pulses	*	*	*	*	*	*	*	50963	4698
Horse / Faba beans	*	*	*	*	*	*	*	38117	2856
Field Peas	-	-	-	-	-	-	-	*	*
Haricot beans	-	-	-	*	*	-	-	-	-
Chick peas	*	*	*	*	*	*	*	*	*
Lentils	-	-	-	-	-	-	-	*	*
Vetch / Grass peas	-	-	-	*	*	-	-	*	*
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	*	*	*	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	3051	*	-	-	35878	4013
Neug	-	-	-	-	-	-	-	*	*
Linseed	-	-	-	*	*	-	-	7197	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	*	*	-	-	*	*
Sesame	-	-	-	*	*	-	-	*	*
Rapeseed	-	-	-	*	*	-	-	15029	774
Vegetables	*	*	-	*	*	*	*	67499	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	-	-	*	*	*	*
Ethiopian cabbage	-	-	-	-	-	*	*	*	*
Tomatoes	*	*	-	-	-	*	*	*	*
Green peppers	-	-	-	*	*	*	*	*	*
Red peppers	*	*	-	*	*	*	*	58004	*
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	-	-	-	4969	16	*	*	79608	2574
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	*	*	*	*
Potatoes	-	-	-	*	*	*	*	26734	1008
Garlic	-	-	-	4277	15	*	*	57936	*
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	*	*	-	-
Other Temporary	*	*	-	*	*	*	*	34932	1429
Permanent crops				*	*	*	*	*	*
Avocado				-	-	-	-	-	-
Bananas				*	*	*	*	*	*
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	*	*	*	*
Oranges				-	-	*	*	-	-
Papayas				-	-	*	*	*	*
Pineapples				-	-	-	-	-	-
Stimulant	-	-	-	-	-	2921	*	*	*
Chat				-	-	-	-	*	*
Coffee	-	-	-	-	-	2921	*	-	-
Hops / 'Gesho'				-	-	*	*	14791	304
Enset				-	-	-	-		
Sugar cane				-	-	-	-	-	-
Other permanent				-	-	*	*	-	-

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

South Gondar

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	533656	223123	165766	364843	48953	62485	27843	*
Cereals	370138	202326	153883	304910	37144	52142	24618	*
Teff	142866	92585	73615	23291	3918	36812	11811	*
Barley	39662	11471	7085	48217	4488	*	*	*
Wheat	76761	44384	39994	88232	9179	11391	*	*
Maize	36417	30137	15920	211507	18570	*	*	*
Sorghum	16122	*	*	*	*	-	-	-
Finger millet	26696	18790	14654	*	*	*	*	*
Oats / 'Aja'	*	*	-	*	*	-	-	-
Rice	*	*	*	*	*	*	*	*
Pulses	118234	8000	3101	99658	5614	8438	661	602
Horse / Faba beans	21322	4037	*	77170	3334	*	355	*
Field Peas	13306	957	*	13049	612	*	*	*
Haricot beans	12837	558	*	9950	*	-	-	-
Chick peas	20052	*	-	2694	*	-	-	-
Lentils	6025	*	*	*	*	-	-	-
Vetch / Grass peas	36332	*	*	4621	*	*	*	*
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	380	*	-	*	*	-	-	-
Gibto	7979	360	546	*	*	*	*	*
Oilseeds	31443	4982	*	71213	2226	*	*	*
Neug	17324	392	*	*	*	*	*	*
Linseed	7976	*	*	*	*	*	*	*
Groundnuts	-	-	-	-	-	-	-	-
Safflower	*	*	*	*	*	*	*	*
Sesame	*	-	-	-	-	-	-	-
Rapeseed	5045	4071	*	63182	1781	*	*	*
Vegetables	2688	2195	*	48489	310	2359	*	*
Lettuce	*	-	-	-	-	-	-	-
Head cabbage	10	*	-	5051	*	-	-	-
Ethiopian cabbage	49	*	-	*	*	-	-	-
Tomatoes	*	*	*	*	*	-	-	-
Green peppers	*	26	*	6820	20	-	-	-
Red peppers	2567	2139	*	30394	262	2359	*	*
Swiss chard	*	*	-	*	*	-	-	-
Root crops	8643	4676	1760	166737	3035	13169	*	396
Beetroot	*	-	-	-	-	-	-	-
Carrot	*	*	-	*	*	-	-	-
Onion	*	*	*	*	*	*	*	*
Potatoes	7664	4070	*	61448	2638	9117	*	376
Garlic	932	588	280	131644	394	4049	9	13
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	*	-	-	-	-	-	-	-
Other Temporary	806	482	*	56666	199	-	-	-
Permanent crops	*	*		*	*			
Avocado	*	-		-	-			
Bananas	*	*		*	*			
Guava	*	-		-	-			
Lemons	*	*		*	*			
Mangoes	*	*		*	*			
Oranges	*	*		*	*			
Papayas	21	*		*	*			
Pineapples	-	-		-	-			
Stimulant	1414	371		60274	337			
Chat	131	*		*	*			
Coffee	*	*		-	-			
Hops / 'Gesho'	1265	345		59015	318			
Enset	-	-		-	-			
Sugar cane	*	-		-	-			
Other permanent	*	*		5348	*			

(Table 1.3.2 cont'd.)

South Gondar

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	109285	29153	15432	207428	117175	125293	525549	528970	528130
Cereals	96927	26835	12937	201731	113729	119539	506798	365478	379259
Teff	65302	15760	6631	141884	61097	57619	358918	142714	94740
Barley	*	*	*	26710	5903	6366	196145	39568	61180
Wheat	12162	2376	1463	92400	30458	36109	270533	75853	121934
Maize	24562	2377	1575	45462	8734	13954	308536	32912	14647
Sorghum	-	-	-	*	*	*	71712	16122	5642
Finger millet	11784	2222	783	27822	6972	*	98519	26696	13577
Oats / 'Aja'	-	-	-	-	-	-	6547	*	*
Rice	*	*	*	*	*	*	58498	*	*
Pulses	*	*	*	14179	*	*	406099	118234	139814
Horse / Faba beans	*	*	*	7254	*	*	217620	21322	28811
Field Peas	*	*	*	*	*	*	109188	13306	19457
Haricot beans	*	*	*	-	-	-	61166	12837	15439
Chick peas	-	-	-	-	-	-	107012	20052	20242
Lentils	-	-	-	*	*	*	58070	6025	7096
Vetch / Grass peas	*	*	*	-	-	-	149407	36332	44761
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	18155	380	183
Gibto	*	*	*	*	*	*	47756	7979	3824
Oilseeds	5584	214	188	*	*	*	234606	31443	9057
Neug	*	*	*	*	*	*	93486	17324	4858
Linseed	-	-	-	*	*	*	94781	7976	3221
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	*	*	*	-	-	-	15446	*	*
Sesame	-	-	-	-	-	-	*	*	*
Rapeseed	*	*	*	*	*	*	104564	5045	*
Vegetables	27854	677	678	26571	*	*	130467	2686	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	-	-	-	-	-	-	5006	10	-
Ethiopian cabbage	-	-	-	-	-	-	10398	49	-
Tomatoes	-	-	-	*	*	*	*	*	-
Green peppers	*	*	*	-	-	-	12540	*	-
Red peppers	*	671	669	25865	*	*	101394	2567	-
Swiss chard	-	-	-	-	-	-	*	*	-
Root crops	19829	*	209	27266	746	*	300541	8630	-
Beetroot	-	-	-	-	-	-	*	*	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	-	-	-	*	*	*	*	*	-
Potatoes	*	*	*	13394	*	*	131712	7652	-
Garlic	*	106	144	13871	*	123	241919	932	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	*	*	-
Other Temporary	*	*	*	*	*	*	121881	806	-
Permanent crops							20277	*	
Avocado							*	*	
Bananas							*	*	
Guava							*	*	
Lemons							*	*	
Mangoes							*	*	
Oranges							*	*	
Papayas							*	21	
Pineapples							-	-	
Stimulant							181541	1414	
Chat							11629	131	
Coffee							6981	*	
Hops / 'Gesho'							176914	1265	
Enset							-	-	
Sugar cane							*	*	
Other permanent							9203	*	

(Table 1.3.2 Cont'd.)

South Gondar

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	33241	4686	2893	126137	57355	46774	831	224631	120503
Cereals	29506	4661	2893	116229	50905	*	*	213067	111564
Teff	*	*	*	79166	27885	-	-	141020	59660
Barley	*	*	*	19600	*	-	-	29401	5411
Wheat	4533	909	1466	43162	10168	*	*	88091	22336
Maize	*	*	*	3021	*	*	*	74629	10828
Sorghum	-	-	-	*	*	-	-	*	*
Finger millet	-	-	-	18602	5002	-	-	31719	7748
Oats / 'Aja'	-	-	-	-	-	-	-	*	*
Rice	-	-	-	*	*	-	-	*	*
Pulses	-	-	-	*	*	*	*	43223	3848
Horse / Faba beans	-	-	-	*	*	-	-	18300	765
Field Peas	-	-	-	-	-	-	-	*	*
Haricot beans	-	-	-	-	-	-	-	*	*
Chick peas	-	-	-	*	*	-	-	*	*
Lentils	-	-	-	-	-	-	-	*	*
Vetch / Grass peas	-	-	-	*	*	-	-	*	*
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	*	*	*	*
Gibto	-	-	-	-	-	-	-	7301	*
Oilseeds	-	-	-	*	*	-	-	35323	2125
Neug	-	-	-	*	*	-	-	4218	*
Linseed	-	-	-	*	*	-	-	4165	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	*	*
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	28263	*
Vegetables	*	*	-	-	-	*	*	30480	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	-	-	*	*	*	*
Ethiopian cabbage	-	-	-	-	-	-	-	*	*
Tomatoes	*	*	-	-	-	-	-	*	*
Green peppers	-	-	-	-	-	-	-	-	-
Red peppers	-	-	-	-	-	*	*	*	*
Swiss chard	*	*	-	-	-	-	-	*	*
Root crops	*	*	-	-	-	9841	249	41532	1462
Beetroot	*	*	-	-	-	-	-	-	-
Carrot	*	*	-	-	-	*	*	*	*
Onion	-	-	-	-	-	*	*	*	*
Potatoes	*	*	-	-	-	*	*	22565	1371
Garlic	-	-	-	-	-	*	*	22122	87
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other Temporary	-	-	-	-	-	-	-	*	*
Permanent crops				*	*	*	*	*	*
Avocado				-	-	-	-	-	-
Bananas				-	-	*	*	-	-
Guava				-	-	-	-	*	*
Lemons				-	-	-	-	-	-
Mangoes				*	*	-	-	-	-
Oranges				-	-	*	*	-	-
Papayas				-	-	*	*	-	-
Pineapples				-	-	-	-	-	-
Stimulant	-	-	-	*	*	4137	*	*	*
Chat				*	*	*	*	*	*
Coffee	-	-	-	-	-	*	*	*	*
Hops / 'Gesho'				*	*	30804	239	10202	76
Enset				-	-	-	-		
Sugar cane				-	-	*	*	-	-
Other permanent				-	-	*	*	*	*

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

North Wolo

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	279944	72836	36540	253542	31259	11782	1694	1074
Cereals	200481	64332	34272	184675	24311	7678	1608	749
Teff	62644	22394	11431	19896	3006	4067	*	352
Barley	48504	14061	3741	81382	10118	1463	*	*
Wheat	30771	15352	15319	29287	2913	2896	375	*
Maize	5932	4364	*	102291	3779	*	*	*
Sorghum	49839	7115	1955	21918	4020	-	-	-
Finger millet	2023	967	316	8169	437	-	-	-
Oats / 'Aja'	769	80	*	2222	*	-	-	-
Rice	-	-	-	-	-	-	-	-
Pulses	63541	4509	291	54950	4147	*	*	*
Horse / Faba beans	19378	1904	94	29626	1780	*	*	*
Field Peas	11187	1392	*	19118	1251	-	-	-
Haricot beans	7140	*	*	*	*	-	-	-
Chick peas	8779	*	*	4919	*	-	-	-
Lentils	13535	487	-	6823	487	-	-	-
Vetch / Grass peas	1899	*	*	*	*	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	1603	229	*	12554	212	*	*	*
Gibto	*	-	-	-	-	-	-	-
Oilseeds	10444	1144	530	16310	903	-	-	-
Neug	978	*	*	1409	*	-	-	-
Linseed	7836	*	*	8874	*	-	-	-
Groundnuts	-	-	-	-	-	-	-	-
Safflower	774	303	*	*	90	-	-	-
Sesame	849	*	-	*	*	-	-	-
Rapeseed	*	*	-	*	*	-	-	-
Vegetables	1333	617	*	89238	462	*	*	*
Lettuce	*	*	-	*	*	-	-	-
Head cabbage	52	*	*	1998	*	-	-	-
Ethiopian cabbage	148	108	*	49347	104	-	-	-
Tomatoes	*	*	*	2496	*	-	-	-
Green peppers	*	*	*	16426	*	-	-	-
Red peppers	741	322	*	22463	199	*	*	*
Swiss chard	7	5	*	3580	*	-	-	-
Root crops	1910	1293	1084	87180	622	*	*	*
Beetroot	*	*	*	*	*	-	-	-
Carrot	*	*	*	*	*	-	-	-
Onion	506	304	*	5501	47	*	-	*
Potatoes	637	420	*	31742	323	*	*	*
Garlic	710	523	*	62833	239	*	*	*
Taro 'Godere'	*	-	-	-	-	-	-	-
Sweet potatoes	*	*	-	2139	*	-	-	-
Other Temporary	778	309	*	51605	294	-	-	-
Permanent crops	280	84		16590	44			
Avocado	*	*		*	*			
Bananas	59	26		8716	22			
Guava	*	*		2715	*			
Lemons	*	*		*	*			
Mangoes	*	*		*	*			
Oranges	*	*		5560	*			
Papayas	*	*		2171	*			
Pineapples	-	-		-	-			
Stimulant	1038	497		48901	428			
Chat	*	*		3887	8			
Coffee	455	203		20224	161			
Hops / 'Gesho'	525	264		40640	259			
Enset	*	-		-	-			
Sugar cane	*	*		*	*			
Other permanent	8	7		4211	7			

(Table 1.3.3 cont'd.)

North Wolo

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	70437	12120	5250	109586	27762	30215	378057	278015	219210
Cereals	65805	11376	4606	105507	27036	28918	365713	198694	148581
Teff	32649	5747	1939	54735	12675	9140	205198	61682	23252
Barley	8276	708	364	16176	2975	3210	210071	48504	65899
Wheat	12863	1507	716	52981	10558	14385	151737	30086	45995
Maize	10356	*	151	5887	*	*	150546	5792	2839
Sorghum	17853	2614	1261	6165	*	*	151906	49839	9029
Finger millet	5133	407	170	2268	123	*	28223	2023	682
Oats / 'Aja'	*	*	*	*	*	*	12516	769	884
Rice	-	-	-	-	-	-	-	-	-
Pulses	4664	237	126	*	*	*	247573	63541	67345
Horse / Faba beans	*	*	*	*	*	*	134889	19378	25677
Field Peas	*	*	*	-	-	-	100038	11187	13618
Haricot beans	*	*	*	*	*	*	43487	7140	6506
Chick peas	-	-	-	*	*	*	56731	8779	7258
Lentils	-	-	-	-	-	-	93132	13535	11056
Vetch / Grass peas	-	-	-	*	*	*	21162	1899	1892
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	42451	1603	1332
Gibto	-	-	-	-	-	-	*	*	*
Oilseeds	4565	*	*	5669	135	*	118993	10444	3284
Neug	*	*	*	*	*	*	18663	978	120
Linseed	*	*	*	*	*	*	83476	7836	2940
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	*	*	*	*	*	*	20662	774	149
Sesame	-	-	-	-	-	-	12215	849	71
Rapeseed	-	-	-	-	-	-	*	*	*
Vegetables	6112	*	49	*	*	*	146112	1304	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	*	*	*	*	*	*	7509	49	-
Ethiopian cabbage	*	*	*	*	*	*	62337	147	-
Tomatoes	*	*	*	-	-	-	4766	*	-
Green peppers	*	*	*	*	*	*	26459	*	-
Red peppers	*	*	*	*	*	*	55680	728	-
Swiss chard	-	-	-	*	*	*	6114	6	-
Root crops	9535	248	200	10642	*	*	140067	1843	-
Beetroot	-	-	-	*	*	*	*	*	-
Carrot	*	*	*	*	*	*	*	*	-
Onion	3641	*	115	*	*	*	20672	476	-
Potatoes	*	*	*	*	*	*	44368	618	-
Garlic	5012	*	*	*	*	*	103108	710	-
Taro 'Godere'	-	-	-	-	-	-	*	*	-
Sweet potatoes	-	-	-	-	-	-	2494	*	-
Other Temporary	*	*	*	*	*	*	78423	757	-
Permanent crops							40672	274	
Avocado							*	3	
Bananas							19198	59	
Guava							12850	*	
Lemons							3068	*	
Mangoes							5671	*	
Oranges							15859	*	
Papayas							*	*	
Pineapples							-	-	
Stimulant							93394	1023	
Chat							8938	*	
Coffee							40294	439	
Hops / 'Gesho'							79540	525	
Enset							*	*	
Sugar cane							8843	*	
Other permanent							4735	6	

(Table 1.3.3 Cont'd.)

North Wolo

	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
Crop type	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	24218	1860	1438	20894	*	62884	3273	54125	14779
Cereals	12777	1719	1438	15618	*	16188	1215	50708	13656
Teff	*	*	*	*	*	4015	437	22863	*
Barley	-	-	-	*	*	*	*	11931	*
Wheat	*	*	*	*	*	2568	*	18944	*
Maize	*	*	*	*	*	7036	*	*	*
Sorghum	-	-	-	*	*	*	*	*	*
Finger millet	-	-	-	-	-	1614	*	*	*
Oats / 'Aja'	-	-	-	-	-	*	*	*	*
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	*	*	4016	*	*	*
Horse / Faba beans	-	-	-	-	-	*	*	*	*
Field Peas	-	-	-	*	*	*	*	*	*
Haricot beans	-	-	-	-	-	-	-	*	*
Chick peas	-	-	-	*	*	-	-	*	*
Lentils	-	-	-	*	*	*	*	*	*
Vetch / Grass peas	-	-	-	*	*	*	*	*	*
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	*	*	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	*	*	*	*	*	*
Neug	-	-	-	-	-	*	*	-	-
Linseed	-	-	-	*	*	-	-	*	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	*	*
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	*	*	-	*	*	28946	401	*	*
Lettuce	*	*	-	-	-	*	*	-	-
Head cabbage	*	*	-	-	-	5922	*	*	*
Ethiopian cabbage	*	*	-	*	*	6250	15	*	*
Tomatoes	*	*	-	*	*	*	*	*	*
Green peppers	-	-	-	-	-	4719	*	*	*
Red peppers	*	*	-	-	-	*	*	*	*
Swiss chard	*	*	-	-	-	*	*	-	-
Root crops	*	*	-	*	*	24488	749	4590	*
Beetroot	-	-	-	-	-	*	*	-	-
Carrot	*	*	-	-	-	*	*	*	*
Onion	*	*	-	*	*	11571	304	*	*
Potatoes	*	*	-	-	-	2984	90	-	-
Garlic	*	*	-	*	*	15260	*	1497	*
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	*	*	*	*
Other Temporary	*	*	-	-	-	2454	*	*	*
Permanent crops				-	-	19410	139	*	*
Avocado				-	-	*	*	-	-
Bananas				-	-	10145	36	*	*
Guava				-	-	5516	*	-	-
Lemons				-	-	*	*	-	-
Mangoes				-	-	*	*	-	-
Oranges				-	-	*	*	*	*
Papayas				-	-	2894	*	*	*
Pineapples				-	-	-	-	-	-
Stimulant	*	*	-	-	-	19030	*	*	*
Chat				-	-	*	*	-	-
Coffee	*	*	-	-	-	19030	*	*	*
Hops / 'Gesho'				*	*	16679	114	*	*
Enset				-	-	-	-		
Sugar cane				-	-	8422	*	*	*
Other permanent				-	-	1573	*	-	-

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

South Wolo

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	466542	244856	182142	455239	76382	32512	3681	1895
Cereals	323500	216812	172817	354586	56311	22822	2987	1544
Teff	117624	90093	73586	71233	11921	7632	*	810
Barley	46795	17304	7779	120493	9528	*	*	*
Wheat	82362	71235	84761	78842	6994	5620	389	211
Maize	15361	10945	1307	197702	9791	*	*	*
Sorghum	58474	25076	4762	106971	16302	6766	*	*
Finger millet	1637	*	*	24416	*	-	-	-
Oats / 'Aja'	1248	778	*	12527	569	-	-	-
Rice	-	-	-	-	-	-	-	-
Pulses	114582	19345	6677	170270	13412	8508	580	250
Horse / Faba beans	29909	7411	2483	101464	5572	*	*	*
Field Peas	12787	1995	*	27213	1681	*	*	*
Haricot beans	13590	2500	165	50784	2352	*	-	*
Chick peas	16821	2423	264	*	*	*	*	*
Lentils	14025	2432	1262	21406	1144	*	*	*
Vetch / Grass peas	22605	*	*	6316	*	*	*	*
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	4841	1664	1971	19633	158	*	*	*
Gibto	*	*	-	*	*	-	-	-
Oilseeds	9037	1120	469	40515	735	*	*	*
Neug	2946	*	*	3104	*	*	*	*
Linseed	4912	434	165	13418	240	-	-	-
Groundnuts	*	-	-	-	-	-	-	-
Safflower	*	*	*	*	*	-	-	-
Sesame	729	*	*	*	*	-	-	-
Rapeseed	150	*	*	15596	*	-	-	-
Vegetables	1838	1346	*	154262	1177	*	*	*
Lettuce	6	4	*	4740	4	-	-	-
Head cabbage	26	*	-	6024	*	-	-	-
Ethiopian cabbage	172	130	*	47768	121	-	-	-
Tomatoes	*	*	-	12322	*	-	-	-
Green peppers	*	*	*	17305	*	-	-	-
Red peppers	1264	880	*	81612	741	*	*	*
Swiss chard	12	*	-	*	*	-	-	-
Root crops	2081	1196	918	130522	784	*	*	*
Beetroot	*	*	-	*	*	-	-	-
Carrot	*	*	*	*	*	-	-	-
Onion	*	*	*	10027	*	*	*	*
Potatoes	502	310	38	27167	279	-	-	-
Garlic	1207	712	308	104534	440	*	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	-	2973	*	-	-	-
Other Temporary	7918	1190	*	117907	548	*	*	*
Permanent crops	992	405		38211	306			
Avocado	*	*		*	*			
Bananas	*	*		*	*			
Guava	*	25		7571	25			
Lemons	*	*		*	*			
Mangoes	*	*		*	*			
Oranges	544	303		25941	206			
Papayas	*	*		*	*			
Pineapples	-	-		-	-			
Stimulant	6170	3292		121414	3065			
Chat	3652	*		57300	*			
Coffee	2123	963		53817	936			
Hops / 'Gesho'	395	205		50325	195			
Enset	-	-		-	-			
Sugar cane	*	*		*	*			
Other permanent	*	20		6680	*			

(Table 1.3.4 cont'd.)

South Wolo

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	67871	6869	3650	357963	157925	176597	676455	463494	369391
Cereals	42901	5822	2340	348364	151692	168932	642279	320889	235182
Teff	18827	3118	1064	209356	73548	71713	344082	116175	36173
Barley	4427	*	*	61207	7326	7518	281753	46795	59255
Wheat	16533	1420	652	205264	62433	83898	311396	81200	109220
Maize	*	*	*	22472	858	*	275003	15361	12014
Sorghum	*	*	*	35757	7149	4052	228804	58474	16406
Finger millet	-	-	-	*	*	*	28809	1637	*
Oats / 'Aja'	*	*	*	6718	*	*	31332	1248	1693
Rice	-	-	-	-	-	-	-	-	-
Pulses	15712	787	469	52154	4565	5958	504677	114198	132027
Horse / Faba beans	6677	373	*	23477	1404	2252	285333	29689	44105
Field Peas	*	*	*	*	*	*	134246	12787	15387
Haricot beans	*	*	*	3553	*	134	128625	13577	11354
Chick peas	*	*	*	*	*	*	124835	16676	17699
Lentils	2457	*	*	12275	1161	*	154888	14025	12408
Vetch / Grass peas	-	-	-	*	*	*	146671	22605	28366
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	*	*	*	19194	1327	*	91508	4834	2704
Gibto	-	-	-	-	-	-	*	*	*
Oilseeds	*	*	*	13711	357	441	182768	9035	2182
Neug	*	*	*	*	*	*	61223	2946	646
Linseed	-	-	-	6645	194	165	97272	4911	1321
Groundnuts	-	-	-	-	-	-	*	*	*
Safflower	-	-	-	*	*	*	*	*	*
Sesame	-	-	-	*	*	*	19391	729	*
Rapeseed	*	*	*	*	*	*	20876	150	23
Vegetables	*	*	*	14878	*	*	245037	1821	-
Lettuce	-	-	-	*	*	*	7970	6	-
Head cabbage	-	-	-	-	-	-	10204	26	-
Ethiopian cabbage	*	*	*	*	*	*	80593	155	-
Tomatoes	-	-	-	-	-	-	15927	*	-
Green peppers	-	-	-	*	*	*	26473	*	-
Red peppers	*	*	*	*	*	*	126619	1264	-
Swiss chard	-	-	-	-	-	-	8949	12	-
Root crops	13497	101	*	17466	296	420	227740	2047	-
Beetroot	-	-	-	-	-	-	3738	*	-
Carrot	*	*	*	*	*	*	8290	*	-
Onion	*	-	*	*	*	*	19404	*	-
Potatoes	*	*	*	2695	*	*	43345	477	-
Garlic	10554	89	77	13903	168	224	188762	1197	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	5081	*	-
Other Temporary	*	*	*	6560	*	*	216379	7918	-
Permanent crops							70952	992	
Avocado							2959	*	
Bananas							10875	*	
Guava							21695	*	
Lemons							*	*	
Mangoes							*	*	
Oranges							45252	544	
Papayas							12594	*	
Pineapples							-	-	
Stimulant							200322	6170	
Chat							96767	3652	
Coffee							94622	2123	
Hops / 'Gesho'							90534	395	
Enset							-	-	
Sugar cane							*	*	
Other permanent							18467	*	

(Table 1.3.4 Cont'd.)

South Wolo

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	19070	3048	*	42734	7346	49507	1827	99875	29926
Cereals	10469	2611	*	33457	6495	*	*	86124	26416
Teff	6188	1449	363	-	-	*	*	34443	11676
Barley	-	-	-	*	*	*	*	16091	1672
Wheat	5931	*	*	*	*	*	*	33470	6937
Maize	-	-	-	*	*	*	*	*	*
Sorghum	-	-	-	*	5486	*	-	*	*
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	*	*	-	-	*	*
Rice	-	-	-	-	-	-	-	-	-
Pulses	4247	*	*	5174	651	*	*	21263	*
Horse / Faba beans	*	*	*	*	*	*	*	9937	215
Field Peas	-	-	-	*	*	-	-	*	*
Haricot beans	*	*	*	*	*	-	-	*	*
Chick peas	*	*	*	*	*	*	*	*	*
Lentils	-	-	-	*	*	-	-	5222	414
Vetch / Grass peas	-	-	-	*	*	-	-	*	*
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	*	*	*	*	*	-	-	*	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	*	*	*	-	-	-	-	*	169
Neug	-	-	-	-	-	-	-	*	*
Linseed	*	*	*	-	-	-	-	*	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	*	*
Sesame	-	-	-	-	-	-	-	*	*
Rapeseed	-	-	-	-	-	-	-	*	*
Vegetables	*	*	-	*	*	18075	103	*	*
Lettuce	-	-	-	-	-	*	*	*	*
Head cabbage	-	-	-	-	-	*	*	-	-
Ethiopian cabbage	*	*	-	-	-	*	*	*	*
Tomatoes	-	-	-	-	-	*	*	-	-
Green peppers	-	-	-	-	-	*	*	*	*
Red peppers	*	-	-	*	*	13126	70	*	*
Swiss chard	-	-	-	-	-	-	-	*	*
Root crops	*	*	-	*	-	13988	*	12145	*
Beetroot	-	-	-	-	-	*	*	-	-
Carrot	-	-	-	-	-	*	*	-	-
Onion	*	-	-	*	-	*	*	*	*
Potatoes	*	*	-	-	-	-	-	*	*
Garlic	*	*	-	-	-	9720	*	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other Temporary	-	-	-	*	*	*	*	*	*
Permanent crops				*	*	9407	*	*	*
Avocado				-	-	-	-	-	-
Bananas				-	-	*	*	*	*
Guava				-	-	*	*	-	-
Lemons				-	-	*	*	*	*
Mangoes				-	-	*	*	-	-
Oranges				*	*	*	*	*	*
Papayas				-	-	*	*	-	-
Pineapples				-	-	-	-	-	-
Stimulant	-	-	-	*	*	18528	*	*	*
Chat				*	*	*	*	*	*
Coffee	-	-	-	*	*	16595	*	*	*
Hops / 'Gesho'				-	-	*	*	*	*
Enset				-	-	-	-		
Sugar cane				-	-	*	*	*	*
Other permanent				-	-	*	*	*	*

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

North Shewa

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	566156	237200	206940	285485	63510	71237	35910	29410
Cereals	420170	199985	184510	211911	41819	62012	31998	26899
Teff	144469	83777	64740	42005	9803	27432	12167	10122
Barley	70158	40209	26117	87511	13983	27563	15615	*
Wheat	68231	54367	85602	31361	3902	16607	3776	3586
Maize	8867	3957	*	99039	3466	*	*	*
Sorghum	128240	17596	7387	43508	10662	*	*	*
Finger millet	*	*	-	*	*	-	-	-
Oats / 'Aja'	*	*	*	*	*	-	-	-
Rice	*	*	-	*	*	-	-	-
Pulses	117406	25203	4921	126163	18282	14659	3383	1835
Horse / Faba beans	44476	17291	1103	104282	15624	7251	1458	900
Field Peas	12428	*	*	17887	1205	*	*	*
Haricot beans	7553	349	*	13105	227	*	*	*
Chick peas	20583	*	*	4160	*	*	*	*
Lentils	26073	2584	*	4949	349	1893	*	*
Vetch / Grass peas	3769	*	-	*	*	-	-	-
Soya beans	*	*	-	*	*	-	-	-
Fenugreek	2519	739	*	9394	69	*	*	*
Gibto	*	-	-	-	-	-	-	-
Oilseeds	15647	2483	3313	29388	729	4873	288	414
Neug	1608	*	*	*	*	-	-	-
Linseed	7100	128	*	5063	65	*	*	*
Groundnuts	*	-	-	-	-	-	-	-
Safflower	2873	653	*	5264	122	*	*	*
Sesame	3897	1411	2254	*	*	2156	*	*
Rapeseed	168	*	*	17016	*	-	-	-
Vegetables	1349	895	459	85420	585	3037	*	*
Lettuce	*	*	-	*	*	-	-	-
Head cabbage	*	*	*	2043	*	-	-	-
Ethiopian cabbage	177	79	*	35045	62	*	*	*
Tomatoes	*	*	*	5185	*	-	-	-
Green peppers	*	*	*	8708	*	*	*	*
Red peppers	847	590	310	47682	391	*	*	*
Swiss chard	4	*	-	*	*	-	-	-
Root crops	6792	5943	*	106304	696	6431	*	*
Beetroot	*	*	-	2226	*	-	-	-
Carrot	*	*	-	1960	*	-	-	-
Onion	*	*	*	38321	308	*	*	*
Potatoes	327	105	*	22108	62	*	*	*
Garlic	1539	1196	*	83840	314	*	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	-	*	*	-	-	-
Other Temporary	*	*	*	29536	113	-	-	-
Permanent crops	299	120		19221	117			
Avocado	*	*		*	*			
Bananas	86	*		3563	*			
Guava	*	*		*	*			
Lemons	*	*		*	*			
Mangoes	*	*		*	*			
Oranges	100	*		*	*			
Papayas	*	2		2665	2			
Pineapples	-	-		-	-			
Stimulant	2670	1050		57104	1001			
Chat	*	*		6875	*			
Coffee	660	376		28389	369			
Hops / 'Gesho'	1752	582		41913	540			
Enset	*	-		-	-			
Sugar cane	*	*		*	*			
Other permanent	*	*		16697	*			

(Table 1.3.5 cont'd.)

North Shewa

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	103745	29345	20004	185936	108435	157526	493389	564487	461851
Cereals	81832	26621	17389	168697	99547	140223	459950	419344	293547
Teff	51274	16980	8390	97817	44827	46228	283384	144234	47627
Barley	11489	*	*	31103	9129	12237	209825	69988	98966
Wheat	21916	5417	5032	94674	41272	76984	198665	67810	120826
Maize	7778	*	*	5031	*	*	188662	8867	3459
Sorghum	13448	2466	2322	13771	4028	4378	212756	128240	22396
Finger millet	-	-	-	-	-	-	*	*	-
Oats / 'Aja'	-	-	-	*	*	*	*	*	*
Rice	-	-	-	-	-	-	*	*	*
Pulses	6687	1002	456	15883	*	*	335986	117369	165516
Horse / Faba beans	-	-	-	3883	*	203	224523	44476	89107
Field Peas	-	-	-	*	*	*	89269	12428	16901
Haricot beans	*	*	*	*	*	*	69784	7553	2920
Chick peas	*	*	*	*	*	*	85970	20545	28323
Lentils	4339	829	335	*	*	*	133099	26073	20386
Vetch / Grass peas	-	-	-	-	-	-	25084	3769	5348
Soya beans	-	-	-	-	-	-	*	*	*
Fenugreek	*	*	*	7054	*	*	51427	2519	2529
Gibto	-	-	-	-	-	-	*	*	*
Oilseeds	7413	*	*	13956	1098	2391	151953	15647	2789
Neug	*	*	*	-	-	-	34314	1608	175
Linseed	*	*	*	2455	*	*	71764	7100	2222
Groundnuts	-	-	-	-	-	-	*	*	*
Safflower	2179	*	*	*	*	*	38051	2873	222
Sesame	4169	*	*	10341	743	1653	52357	3897	153
Rapeseed	*	*	*	-	-	-	25029	168	*
Vegetables	6931	75	125	11495	198	283	182055	1348	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	*	*	*	-	-	-	4467	*	-
Ethiopian cabbage	*	*	*	*	*	*	72739	177	-
Tomatoes	*	*	*	*	*	*	16049	*	-
Green peppers	*	*	*	*	*	*	23173	*	-
Red peppers	3180	*	*	7220	123	*	91518	847	-
Swiss chard	-	-	-	-	-	-	3727	4	-
Root crops	27770	917	1213	42589	*	*	266131	6771	-
Beetroot	-	-	-	-	-	-	3659	*	-
Carrot	-	-	-	-	-	-	4356	*	-
Onion	18039	*	*	33010	*	*	135415	*	-
Potatoes	*	*	*	-	-	-	41429	327	-
Garlic	13569	115	111	20507	*	*	182756	1530	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	*	*	-
Other Temporary	3464	*	*	*	*	*	87364	747	-
Permanent crops							47366	287	
Avocado							5176	*	
Bananas							13339	86	
Guava							*	*	
Lemons							10421	*	
Mangoes							*	*	
Oranges							18441	100	
Papayas							8645	*	
Pineapples							-	-	
Stimulant							146027	2631	
Chat							24112	*	
Coffee							48533	637	
Hops / 'Gesho'							121480	1736	
Enset							*	*	
Sugar cane							11980	*	
Other permanent							35393	*	

(Table 1.3.5 Cont'd.)

North Shewa

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	17679	*	*	165090	70001	78748	*	189910	103875
Cereals	4201	*	*	88636	39256	26318	*	169438	90422
Teff	*	*	*	45000	15657	*	*	73482	31361
Barley	*	*	*	20242	4605	*	*	48792	17650
Wheat	*	*	*	32541	7538	*	*	84661	30980
Maize	-	-	-	*	*	11471	*	9779	*
Sorghum	*	-	*	19435	*	*	*	26584	*
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	*	*
Rice	-	-	-	-	-	*	*	-	-
Pulses	*	*	*	65719	24920	3869	*	36252	7778
Horse / Faba beans	-	-	-	19284	3387	-	-	23832	5531
Field Peas	-	-	-	5657	266	*	*	*	*
Haricot beans	-	-	-	7080	*	*	*	3732	126
Chick peas	*	*	*	28200	9132	-	-	*	*
Lentils	-	-	-	31347	*	-	-	6282	946
Vetch / Grass peas	-	-	-	*	*	*	*	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	*	*	*	*	7480	247
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	7394	*	*	*	14991	956
Neug	-	-	-	*	*	-	-	*	*
Linseed	-	-	-	*	*	-	-	*	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	*	*	-	-	*	*
Sesame	-	-	-	3775	*	*	*	9198	*
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	*	*	-	10126	150	30109	254	20710	241
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	*	*	2998	*	*	*
Ethiopian cabbage	-	-	-	*	*	10316	*	6645	22
Tomatoes	-	-	-	*	*	*	*	*	*
Green peppers	-	-	-	*	*	3284	*	*	*
Red peppers	-	-	-	7071	*	*	133	11037	*
Swiss chard	-	-	-	-	-	*	*	*	*
Root crops	1870	*	-	37671	*	48382	*	43735	*
Beetroot	*	*	-	*	*	*	*	*	*
Carrot	*	*	-	-	-	*	*	*	*
Onion	*	*	-	*	*	*	*	*	*
Potatoes	-	-	-	*	*	*	*	*	*
Garlic	*	*	-	6768	*	18349	*	16961	121
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	*	*	*	*
Other Temporary	*	*	-	*	*	*	*	*	*
Permanent crops				*	*	19036	183	*	*
Avocado				-	-	*	*	*	*
Bananas				-	-	6545	*	*	*
Guava				-	-	*	*	-	-
Lemons				-	-	*	*	-	-
Mangoes				-	-	*	*	*	*
Oranges				*	*	4840	*	*	*
Papayas				-	-	*	*	*	*
Pineapples				-	-	-	-	-	-
Stimulant	*	*	-	*	*	15081	*	*	*
Chat				*	*	*	*	*	*
Coffee	*	*	-	*	*	13462	209	*	*
Hops / 'Gesho'				*	*	11287	*	*	*
Enset				-	-	-	-		
Sugar cane				-	-	3934	*	*	*
Other permanent				-	-	7428	11	*	*

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

East Gojjam

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	657166	403355	494063	390143	59788	132876	63254	65353
Cereals	482811	361320	468456	236224	37400	109061	53577	55747
Teff	240143	215609	287094	18954	2953	72852	37666	37322
Barley	66343	27676	20272	65053	10751	25285	4356	5322
Wheat	108274	75330	115941	43706	7745	37109	8046	9422
Maize	45101	39033	44457	161121	12871	33100	3425	3627
Sorghum	22224	*	*	*	*	-	-	-
Finger millet	*	*	*	-	-	-	-	-
Oats / 'Aja'	500	441	*	*	*	*	*	*
Rice	*	-	-	-	-	-	-	-
Pulses	136364	25775	14782	130956	12461	51568	7799	7745
Horse / Faba beans	49895	16444	8158	103112	9716	41132	4741	4829
Field Peas	14339	5053	4548	7514	497	23577	2756	2637
Haricot beans	22378	*	*	*	*	*	*	*
Chick peas	9985	*	*	*	*	-	-	-
Lentils	2450	-	-	-	-	-	-	-
Vetch / Grass peas	31313	1171	*	7142	*	-	-	-
Soya beans	*	*	*	*	*	*	*	*
Fenugreek	2627	956	*	10474	*	-	-	-
Gibto	3118	*	*	-	-	*	*	*
Oilseeds	23458	6966	6588	45739	*	17486	940	854
Neug	12020	*	*	*	*	*	*	*
Linseed	3973	*	*	*	*	*	*	*
Groundnuts	*	*	-	*	*	-	-	-
Safflower	*	*	*	2198	*	-	-	-
Sesame	*	-	-	-	-	-	-	-
Rapeseed	4998	4126	6152	40873	1269	14641	543	743
Vegetables	1683	1221	*	110632	892	*	*	*
Lettuce	*	*	-	*	*	-	-	-
Head cabbage	182	114	18	25968	104	*	*	*
Ethiopian cabbage	51	*	-	2879	*	-	-	-
Tomatoes	*	*	-	3056	*	-	-	-
Green peppers	336	285	*	57643	261	-	-	-
Red peppers	1102	783	*	34081	*	-	-	-
Swiss chard	*	*	-	*	*	-	-	-
Root crops	7658	4917	3115	159972	2703	13706	*	978
Beetroot	157	97	*	24467	*	-	-	-
Carrot	38	5	*	*	*	*	*	*
Onion	495	261	*	19022	174	*	*	*
Potatoes	5019	3180	2328	34213	*	10738	*	854
Garlic	1849	1273	568	116316	882	*	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	*	-	-	-	-	-
Other Temporary	617	380	92	78118	319	-	-	-
Permanent crops	78	*		6228	*			
Avocado	*	*		*	*			
Bananas	*	*		*	*			
Guava	*	*		*	*			
Lemons	*	*		*	*			
Mangoes	*	*		*	*			
Oranges	16	*		*	*			
Papayas	*	-		-	-			
Pineapples	-	-		-	-			
Stimulant	4361	2659		169065	2595			
Chat	32	*		*	*			
Coffee	230	*		15340	*			
Hops / 'Gesho'	4098	2495		167758	2432			
Enset	-	-		-	-			
Sugar cane	47	*		5037	*			
Other permanent	89	*		14553	*			

(Table 1.3.6 cont'd.)

East Gojjam

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	125134	40308	36610	313594	240006	392100	556356	621597	566435
Cereals	107891	38681	35197	310704	231662	377512	532399	447956	408522
Teff	60750	27662	26231	242483	147328	223541	381985	233519	113719
Barley	22011	4582	2978	49451	7987	11972	235422	66092	92873
Wheat	12673	*	*	164034	56875	104034	311260	104782	183761
Maize	33280	3647	3343	112170	19090	37487	236179	20613	9759
Sorghum	-	-	-	2353	*	*	69814	22224	7777
Finger millet	-	-	-	*	*	*	*	*	*
Oats / 'Aja'	*	*	*	*	*	*	*	500	*
Rice	-	-	-	-	-	-	*	*	*
Pulses	13918	941	724	57724	4575	6313	435784	135982	144034
Horse / Faba beans	*	*	*	38923	1956	3284	319681	49818	57362
Field Peas	*	*	*	19760	1542	1850	109513	14339	15028
Haricot beans	*	*	*	*	*	*	78784	22257	23221
Chick peas	-	-	-	*	*	*	51800	9801	10843
Lentils	-	-	-	-	-	-	21219	2450	1182
Vetch / Grass peas	-	-	-	*	*	*	126079	31313	33462
Soya beans	*	*	*	*	*	*	3662	*	*
Fenugreek	*	*	*	*	*	*	44884	2627	1217
Gibto	-	-	-	*	*	*	16225	3118	1479
Oilseeds	6731	138	121	42968	2583	5612	189706	23458	13879
Neug	*	*	*	*	*	*	73446	12020	*
Linseed	-	-	-	*	*	*	31304	3973	1510
Groundnuts	-	-	-	-	-	-	*	*	*
Safflower	*	*	*	*	*	*	*	*	36
Sesame	-	-	-	-	-	-	*	*	*
Rapeseed	4376	*	*	39899	2261	5343	115971	4998	*
Vegetables	16652	*	*	5840	91	*	171133	1668	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	*	*	*	*	*	*	40552	169	-
Ethiopian cabbage	-	-	-	-	-	-	4692	51	-
Tomatoes	-	-	-	-	-	-	5400	*	-
Green peppers	4118	*	*	*	*	*	77078	336	-
Red peppers	*	*	*	*	*	*	70419	1102	-
Swiss chard	-	-	-	-	-	-	*	*	-
Root crops	20037	255	283	33418	1040	1854	264312	7536	-
Beetroot	*	*	*	*	*	*	39427	151	-
Carrot	-	-	-	-	-	-	6829	*	-
Onion	*	*	*	*	*	*	33140	489	-
Potatoes	*	*	*	17112	*	*	82715	5012	-
Garlic	15016	88	106	16232	241	373	187313	1848	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	*	*	*	-	-	-
Other Temporary	7714	*	*	2336	*	*	124849	617	-
Permanent crops							12795	*	
Avocado							*	*	
Bananas							7445	*	
Guava							-	-	
Lemons							-	-	
Mangoes							-	-	
Oranges							4778	16	
Papayas							*	*	
Pineapples							-	-	
Stimulant							278506	4197	
Chat							6801	32	
Coffee							17214	145	
Hops / 'Gesho'							276135	4020	
Enset							-	-	
Sugar cane							7280	47	
Other permanent							19487	76	

(Table 1.3.6 Cont'd.)

East Gojjam

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	173221	35569	15710	112289	64870	72640	3979	341510	239747
Cereals	168012	34854	15474	108739	63614	10650	1145	329807	218001
Teff	14796	6624	1717	92912	44396	*	*	230623	135591
Barley	*	*	*	4090	790	*	*	60128	10721
Wheat	14090	3492	7054	50453	17059	-	-	142767	41629
Maize	153881	24487	6477	*	*	5677	*	192964	29475
Sorghum	-	-	-	*	*	-	-	*	*
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	*	*	-	-	*	*
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	*	4413	*	4041	*	138098	14599
Horse / Faba beans	*	*	*	*	*	*	*	100826	8798
Field Peas	-	-	-	*	*	-	-	30287	3127
Haricot beans	*	*	*	-	-	*	*	*	*
Chick peas	*	*	*	*	*	-	-	*	*
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	*	*	4105	585
Soya beans	-	-	-	-	-	-	-	*	*
Fenugreek	-	-	-	-	-	-	-	6122	*
Gibto	-	-	-	-	-	-	-	*	*
Oilseeds	-	-	-	*	*	*	*	65161	4262
Neug	-	-	-	-	-	-	-	*	*
Linseed	-	-	-	*	*	-	-	*	*
Groundnuts	-	-	-	-	-	-	-	*	*
Safflower	-	-	-	*	*	-	-	*	*
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	*	*	53822	2888
Vegetables	*	*	-	-	-	30995	268	42434	446
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	-	-	15746	93	11901	47
Ethiopian cabbage	-	-	-	-	-	*	*	*	*
Tomatoes	-	-	-	-	-	2239	*	-	-
Green peppers	-	-	-	-	-	19103	*	*	*
Red peppers	-	-	-	-	-	*	*	*	*
Swiss chard	*	*	-	-	-	*	*	*	*
Root crops	5716	*	-	*	*	38892	1760	58721	1692
Beetroot	*	*	-	-	-	8563	31	7734	*
Carrot	*	*	-	-	-	*	*	*	*
Onion	*	*	-	-	-	*	*	*	*
Potatoes	*	*	-	-	-	20439	1481	24398	1152
Garlic	*	*	-	*	*	15625	*	34026	333
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	-	-	-	-	-	*	*
Other Temporary	*	*	-	-	-	6912	27	16667	118
Permanent crops				-	-	7412	*	*	*
Avocado				-	-	*	*	*	*
Bananas				-	-	6854	*	*	*
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	-	-	-	-
Oranges				-	-	*	*	*	*
Papayas				-	-	*	*	-	-
Pineapples				-	-	-	-	-	-
Stimulant	*	*	-	*	*	11248	99	7266	104
Chat				*	*	*	*	*	*
Coffee	*	*	-	-	-	10713	91	6671	92
Hops / 'Gesho'				*	*	23446	321	32864	464
Enset				-	-	-	-		
Sugar cane				-	-	5561	*	*	*
Other permanent				-	-	2368	*	5603	*

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
All	643723	490905	653641	386452	41586	299480	130806	112156
Cereals	470254	418411	564618	212678	27465	268802	110922	96525
Teff	141558	125905	157561	7254	1208	123622	39305	32811
Barley	34023	22634	14981	36048	*	42567	6716	5953
Wheat	35203	32511	43544	*	*	37468	11056	8594
Maize	173344	169272	283669	178739	15412	64413	7650	7206
Sorghum	*	-	-	-	-	-	-	-
Finger millet	75082	68089	64864	2600	*	131528	46196	41961
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	*	-	-	-	-	-	-	-
Pulses	95494	27214	24469	62078	5346	95557	14929	12527
Horse / Faba beans	31790	18461	16272	52121	4727	74858	9395	8853
Field Peas	10328	5012	3510	*	*	31452	4035	2912
Haricot beans	19452	1429	2899	5448	*	3459	*	*
Chick peas	8419	*	*	*	*	*	*	*
Lentils	*	-	-	-	-	-	-	-
Vetch / Grass peas	18377	*	*	*	*	*	*	*
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	68	*	*	*	*	*	*	*
Gibto	6974	645	807	*	*	*	*	*
Oilseeds	44732	15771	21273	94805	2807	35863	3543	1354
Neug	24380	3146	1048	-	-	10298	*	492
Linseed	1672	*	*	*	*	*	*	*
Groundnuts	*	-	-	-	-	-	-	-
Safflower	55	*	*	*	*	-	-	-
Sesame	*	-	-	-	-	-	-	-
Rapeseed	12935	12213	20076	91246	2496	25609	676	820
Vegetables	22245	21714	38031	142880	1415	24951	423	569
Lettuce	*	*	-	*	*	-	-	-
Head cabbage	102	*	*	15324	*	*	*	*
Ethiopian cabbage	*	*	-	*	*	-	-	-
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	*	*	*	*	*	-	-	-
Red peppers	22120	21614	37945	130372	1362	23745	414	556
Swiss chard	-	-	-	-	-	-	-	-
Root crops	3154	2872	3413	144553	628	37484	885	1040
Beetroot	*	*	*	*	*	-	-	-
Carrot	*	*	-	*	*	-	-	-
Onion	*	*	*	7793	*	*	*	*
Potatoes	1538	1475	1808	7625	121	22820	807	908
Garlic	1094	936	848	132059	459	14708	49	90
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	*	*	*	-	-	-
Other Temporary	825	705	757	102029	298	*	*	*
Permanent crops	255	*		34904	*			
Avocado	*	*		*	*			
Bananas	*	*		19207	*			
Guava	*	*		*	*			
Lemons	31	21		6681	20			
Mangoes	41	*		*	*			
Oranges	*	*		*	*			
Papayas	16	12		8392	12			
Pineapples	-	-		-	-			
Stimulant	5595	3681		173674	3133			
Chat	1134	730		35769	710			
Coffee	*	*		36732	*			
Hops / 'Gesho'	2855	2034		151929	1511			
Enset	*	-		-	-			
Sugar cane	*	*		*	*			
Other permanent	195	117		34529	82			

(Table 1.3.7 cont'd.)

West Gojjam

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	139330	15973	15416	452970	302540	526069	559672	521383	390506
Cereals	94283	13541	12508	438826	266483	455586	525274	349168	293671
Teff	11660	2077	*	176019	83315	123702	324718	134791	71031
Barley	*	*	*	35365	6876	8902	149500	33777	87024
Wheat	*	*	*	88813	19214	34626	145009	33434	74736
Maize	69784	8135	9765	411425	138075	266698	350656	61040	18070
Sorghum	-	-	-	-	-	-	*	*	*
Finger millet	14537	2479	1245	63473	19003	21658	213832	75082	39726
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	*	*	*
Pulses	15430	612	700	91399	6328	11242	340903	95345	88057
Horse / Faba beans	12827	538	589	66268	3800	6830	243280	31790	30252
Field Peas	-	-	-	4426	*	*	82407	10328	8138
Haricot beans	*	*	*	20206	1047	*	85745	19302	17603
Chick peas	-	-	-	-	-	-	41396	8419	8381
Lentils	-	-	-	-	-	-	*	*	*
Vetch / Grass peas	-	-	-	*	*	*	63830	18377	18981
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	13269	68	51
Gibto	-	-	-	8026	343	542	52592	6974	4531
Oilseeds	27097	610	866	162650	8810	19053	316674	44686	8778
Neug	-	-	-	2495	*	*	89344	24380	3996
Linseed	*	*	*	-	-	-	19419	1672	526
Groundnuts	-	-	-	-	-	-	*	*	*
Safflower	*	*	*	2419	*	*	4284	55	*
Sesame	-	-	-	-	-	-	*	*	*
Rapeseed	25845	604	856	160729	8437	18400	262714	12889	*
Vegetables	63839	862	854	134785	19013	36608	370663	22240	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	*	*	*	*	*	*	27285	101	-
Ethiopian cabbage	-	-	-	-	-	-	*	*	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	*	*	*	*	*	-
Red peppers	60779	856	845	131131	18982	36545	358173	22116	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	40333	187	258	57952	1171	2115	272926	2837	-
Beetroot	*	*	*	-	-	-	9047	*	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	*	*	*	*	*	*	18072	*	-
Potatoes	*	*	*	12615	515	860	44256	1538	-
Garlic	37881	147	204	44274	281	554	242325	1093	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	*	*	*	*	*	-
Other Temporary	17779	44	66	22336	*	*	173780	822	-
Permanent crops							47299	205	
Avocado							*	*	
Bananas							24438	*	
Guava							4350	*	
Lemons							12339	30	
Mangoes							11414	25	
Oranges							3999	*	
Papayas							7862	9	
Pineapples							-	-	
Stimulant							299680	4919	
Chat							49502	1134	
Coffee							48320	933	
Hops / 'Gesho'							275101	2852	
Enset							*	*	
Sugar cane							20427	*	
Other permanent							70554	189	

(Table 1.3.7 Cont'd.)

West Gojjam

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	375260	122340	32669	236619	124260	95903	3894	506322	400825
Cereals	366832	121086	32641	207986	117367	7446	*	493490	334677
Teff	19930	6767	1937	102987	37990	*	*	215850	86925
Barley	*	*	*	*	*	-	-	64347	12025
Wheat	8640	1770	*	60126	17309	-	-	92916	24263
Maize	357584	112304	27414	41031	16861	6870	*	471878	152784
Sorghum	-	-	-	*	*	-	-	*	*
Finger millet	-	-	-	101625	37893	-	-	157180	54084
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	*	*	-	-	*	*
Pulses	*	*	*	*	*	*	*	201776	29536
Horse / Faba beans	-	-	-	*	*	-	-	149157	15413
Field Peas	-	-	-	*	*	-	-	39012	4150
Haricot beans	*	*	*	-	-	-	-	49680	7796
Chick peas	-	-	-	*	*	-	-	*	*
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	*	*	-	-	*	*
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	*	*
Gibto	-	-	-	*	*	*	*	16266	1054
Oilseeds	*	*	-	*	*	*	*	216288	13154
Neug	-	-	-	-	-	-	-	11733	2769
Linseed	-	-	-	-	-	-	-	*	*
Groundnuts	-	-	-	-	-	-	-	*	*
Safflower	-	-	-	-	-	-	-	*	*
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	*	*	-	*	*	*	*	209349	10263
Vegetables	2533	*	-	8944	*	7676	95	187350	18783
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	*	*	*	*	12161	*
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	*	*	*	*
Red peppers	*	*	-	3899	*	6501	73	181264	18724
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	2259	*	-	4371	*	11696	*	110374	1788
Beetroot	*	*	-	-	-	-	-	*	*
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	*	*	*	*	*	*
Potatoes	-	-	-	*	*	*	*	26768	1043
Garlic	*	*	-	2529	*	7703	*	85799	409
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	-	-	-	*	*	*	*
Other Temporary	*	*	-	*	*	6904	*	40966	459
Permanent crops				*	*	24715	*	15254	*
Avocado				*	*	*	*	*	*
Bananas				-	-	*	*	*	*
Guava				-	-	*	*	-	-
Lemons				*	*	*	*	*	*
Mangoes				*	*	*	*	*	*
Oranges				-	-	*	*	*	*
Papayas				-	-	*	*	*	*
Pineapples				-	-	-	-	-	-
Stimulant	*	*	-	*	*	49533	1734	35317	*
Chat				*	*	27409	*	*	*
Coffee	*	*	-	*	*	28508	*	*	*
Hops / 'Gesho'				10535	145	51698	414	75007	794
Enset				-	-	-	-		
Sugar cane				-	-	*	*	*	*
Other permanent				*	*	7829	*	13776	70

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

Waghamera

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	115446	20764	1063	76583	19025	*	*	*
Cereals	85351	17892	1026	70761	16190	*	*	*
Teff	27830	3834	509	10602	3088	*	*	*
Barley	16803	3578	*	19490	3275	-	-	-
Wheat	7023	1030	*	5796	582	*	*	*
Maize	2974	2258	*	51682	2231	-	-	-
Sorghum	30598	7190	*	24468	7012	-	-	-
Finger millet	*	*	-	*	*	-	-	-
Oats / 'Aja'	*	*	-	*	*	-	-	-
Rice	-	-	-	-	-	-	-	-
Pulses	21171	2388	*	19249	2368	-	-	-
Horse / Faba beans	8492	1336	*	12126	1316	-	-	-
Field Peas	4793	558	-	3657	558	-	-	-
Haricot beans	4130	301	-	2939	301	-	-	-
Chick peas	718	*	-	*	*	-	-	-
Lentils	2974	77	-	*	77	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	60	30	-	4988	30	-	-	-
Gibto	*	-	-	-	-	-	-	-
Oilseeds	8615	311	*	7729	295	-	-	-
Neug	317	*	-	*	*	-	-	-
Linseed	1292	57	-	3240	57	-	-	-
Groundnuts	-	-	-	-	-	-	-	-
Safflower	648	67	*	3719	51	-	-	-
Sesame	6296	*	-	*	*	-	-	-
Rapeseed	*	-	-	-	-	-	-	-
Vegetables	*	*	-	4588	*	-	-	-
Lettuce	*	*	-	*	*	-	-	-
Head cabbage	*	*	-	*	*	-	-	-
Ethiopian cabbage	*	*	-	*	*	-	-	-
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	5	*	-	1917	*	-	-	-
Red peppers	*	*	-	*	*	-	-	-
Swiss chard	*	*	-	*	*	-	-	-
Root crops	79	70	-	12291	70	-	-	-
Beetroot	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	*	*	-	*	*	-	-	-
Potatoes	53	50	-	7754	50	-	-	-
Garlic	24	18	-	8765	18	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	*	-	-	-	-	-	-	-
Other Temporary	109	71	-	15871	71	-	-	-
Permanent crops	*	*		*	*			
Avocado	-	-		-	-			
Bananas	*	*		*	*			
Guava	*	-		-	-			
Lemons	*	-		-	-			
Mangoes	*	-		-	-			
Oranges	*	-		-	-			
Papayas	*	-		-	-			
Pineapples	-	-		-	-			
Stimulant	*	*		*	*			
Chat	*	*		*	*			
Coffee	*	-		-	-			
Hops / 'Gesho'	1	*		*	*			
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
All	1220	460	128	2411	1046	829	106368	114742	100736
Cereals	1220	*	123	2411	1030	797	105731	84647	69379
Teff	*	*	*	1689	418	407	78686	27830	12399
Barley	-	-	-	*	*	*	63911	16803	35458
Wheat	678	*	95	*	*	*	32025	6449	11489
Maize	*	*	*	-	-	-	65448	2974	1362
Sorghum	*	*	*	*	*	*	65818	30468	8630
Finger millet	-	-	-	-	-	-	861	*	*
Oats / 'Aja'	-	-	-	-	-	-	*	*	*
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	*	-	-	-	82456	21171	29747
Horse / Faba beans	*	*	*	-	-	-	45948	8492	16625
Field Peas	-	-	-	-	-	-	26746	4793	7117
Haricot beans	-	-	-	-	-	-	27912	4130	1846
Chick peas	-	-	-	-	-	-	5073	718	641
Lentils	-	-	-	-	-	-	22820	2974	3474
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	6585	60	42
Gibto	-	-	-	-	-	-	*	*	*
Oilseeds	-	-	-	*	*	*	52889	8615	1611
Neug	-	-	-	-	-	-	5409	317	57
Linseed	-	-	-	-	-	-	24481	1292	440
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	*	*	*	13687	648	*
Sesame	-	-	-	-	-	-	24087	6296	843
Rapeseed	-	-	-	-	-	-	*	*	*
Vegetables	-	-	-	-	-	-	6568	*	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	-	-	-	-	-	-	*	*	-
Ethiopian cabbage	-	-	-	-	-	-	*	*	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	2836	5	-
Red peppers	-	-	-	-	-	-	*	*	-
Swiss chard	-	-	-	-	-	-	*	*	-
Root crops	-	-	-	-	-	-	16073	79	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	*	*	-
Potatoes	-	-	-	-	-	-	8943	53	-
Garlic	-	-	-	-	-	-	12199	24	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	*	*	-
Other Temporary	-	-	-	-	-	-	20547	109	-
Permanent crops							1750	*	
Avocado							-	-	
Bananas							1071	*	
Guava							*	*	
Lemons							*	*	
Mangoes							*	*	
Oranges							*	*	
Papayas							1042	*	
Pineapples							-	-	
Stimulant							1807	*	
Chat							*	*	
Coffee							1195	*	
Hops / 'Gesho'							941	1	
Enset							-	-	
Sugar cane							1321	*	
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
All	2788	704	807	*	*	4473	505	7145	*
Cereals	2788	704	807	*	*	1377	*	*	*
Teff	-	-	-	-	-	*	*	*	*
Barley	-	-	-	*	*	*	*	*	*
Wheat	2452	574	788	-	-	-	-	*	*
Maize	-	-	-	*	*	-	-	*	*
Sorghum	*	*	*	*	*	*	*	*	*
Finger millet	-	-	-	*	*	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	*	*	*	*	*	*
Horse / Faba beans	-	-	-	*	*	-	-	-	-
Field Peas	-	-	-	-	-	-	-	*	*
Haricot beans	-	-	-	*	*	*	*	*	*
Chick peas	-	-	-	-	-	*	*	*	*
Lentils	-	-	-	-	-	*	*	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	*	*	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	*	*	-	-	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	*	*	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	*	*
Sesame	-	-	-	-	-	-	-	*	*
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	-	-	-	-	-	1703	*	-	-
Lettuce	-	-	-	-	-	*	*	-	-
Head cabbage	-	-	-	-	-	*	*	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	-	-	-	-	-	*	*	-	-
Green peppers	-	-	-	-	-	*	*	-	-
Red peppers	-	-	-	-	-	*	*	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	-	-	-	*	*	999	*	-	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	*	*	-	-
Potatoes	-	-	-	-	-	*	*	-	-
Garlic	-	-	-	*	*	*	*	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	*	*	-	-
Other Temporary	-	-	-	-	-	*	*	-	-
Permanent crops				-	-	1395	*	*	-
Avocado				-	-	-	-	-	-
Bananas				-	-	*	*	-	-
Guava				-	-	*	*	-	-
Lemons				-	-	*	*	-	-
Mangoes				-	-	*	*	-	-
Oranges				-	-	*	*	-	-
Papayas				-	-	*	*	*	-
Pineapples				-	-	-	-	-	-
Stimulant	-	-	-	-	-	1071	*	-	-
Chat				-	-	-	-	-	-
Coffee	-	-	-	-	-	1071	*	-	-
Hops / 'Gesho'				-	-	*	*	-	-
Enset				-	-	-	-		
Sugar cane				-	-	759	*	*	-
Other permanent				-	-	*	*	*	-

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

Awi

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	304658	232915	238632	202871	40993	139527	92618	77652
Cereals	223482	199529	197737	148791	32351	127604	85099	69790
Teff	71776	62286	44137	22223	5223	83521	37729	28895
Barley	12913	10326	4834	40343	6076	6602	*	*
Wheat	14016	13063	17793	7364	*	6822	*	*
Maize	66672	65307	91221	128435	17807	36223	4883	5301
Sorghum	*	-	-	-	-	-	-	-
Finger millet	53459	48536	39738	7739	1940	81372	40073	32947
Oats / 'Aja'	*	*	*	-	-	-	-	-
Rice	*	-	-	-	-	-	-	-
Pulses	34212	8394	6498	40806	1974	27270	4951	5017
Horse / Faba beans	6739	4167	3319	20698	802	18985	2920	2833
Field Peas	3658	2498	2206	*	*	11620	*	*
Haricot beans	*	*	*	3698	*	-	-	-
Chick peas	4455	*	-	*	*	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	*	*	*	-	-	*	*	*
Fenugreek	96	90	*	16393	87	-	-	-
Gibto	14721	634	*	*	*	3163	*	*
Oilseeds	26325	6106	5670	46959	3166	20535	950	929
Neug	17616	*	*	*	*	*	*	*
Linseed	214	*	*	*	*	*	*	*
Groundnuts	*	*	*	*	*	*	*	*
Safflower	*	-	-	-	-	-	-	-
Sesame	*	-	-	-	-	-	-	-
Rapeseed	3954	3775	5506	42857	1214	18461	578	773
Vegetables	14181	13872	25892	58316	673	8382	*	*
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	*	*	*	*	*	*	*	*
Ethiopian cabbage	*	*	*	16460	*	-	-	-
Tomatoes	*	*	*	*	*	-	-	-
Green peppers	*	*	*	*	*	*	*	*
Red peppers	13824	13522	25856	35154	350	7997	*	*
Swiss chard	-	-	-	-	-	-	-	-
Root crops	3845	3306	1878	92358	1503	20420	1107	1113
Beetroot	2	*	-	*	*	-	-	-
Carrot	*	*	-	*	*	-	-	-
Onion	*	*	-	*	*	-	-	-
Potatoes	2990	2574	1713	30865	865	17834	1096	1097
Garlic	392	345	*	63123	252	4334	11	15
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	-	*	*	-	-	-
Other Temporary	700	634	*	57256	341	4216	32	47
Permanent crops	133	77		21704	63			
Avocado	*	*		*	*			
Bananas	32	*		9063	*			
Guava	*	*		*	*			
Lemons	*	*		2119	*			
Mangoes	28	10		4750	9			
Oranges	*	*		*	*			
Papayas	*	*		*	*			
Pineapples	-	-		-	-			
Stimulant	1358	871		68013	*			
Chat	*	*		*	*			
Coffee	656	*		25205	*			
Hops / 'Gesho'	541	331		57793	291			
Enset	*	*		*	*			
Sugar cane	305	69		5516	69			
Other permanent	117	56		36151	56			

(Table 1.3.9 cont'd.)

Awi

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	21483	4028	2432	157522	95276	158548	268621	260375	193948
Cereals	14375	3348	2139	151801	78731	125808	251437	179500	157810
Teff	9566	2016	882	41292	17318	14361	153867	69721	51334
Barley	*	948	824	10674	2188	2998	68449	12913	29694
Wheat	*	*	*	37491	10363	16019	53029	12848	29734
Maize	*	*	*	120796	42329	85627	188949	25913	7790
Sorghum	-	-	-	-	-	-	*	*	*
Finger millet	-	-	-	16781	6523	6791	115402	53459	37329
Oats / 'Aja'	-	-	-	*	*	*	*	*	*
Rice	-	-	-	-	-	-	*	*	*
Pulses	*	*	*	13805	1043	1374	135385	34062	27568
Horse / Faba beans	*	*	*	5077	*	*	56003	6715	6937
Field Peas	*	*	*	5034	*	*	35616	3532	3985
Haricot beans	-	-	-	*	*	*	13928	*	*
Chick peas	-	-	-	-	-	-	13337	4455	4108
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	*	*	*	9132	*	*
Fenugreek	-	-	-	*	*	*	19099	96	*
Gibto	*	*	*	*	*	*	48559	14721	6928
Oilseeds	*	*	*	36657	1959	4723	130745	26311	8570
Neug	-	-	-	-	-	-	40224	17616	3643
Linseed	-	-	-	*	*	*	4697	214	*
Groundnuts	-	-	-	-	-	-	*	*	*
Safflower	-	-	-	-	-	-	*	*	*
Sesame	-	-	-	-	-	-	*	*	*
Rapeseed	*	*	*	36257	1953	4715	90966	3940	279
Vegetables	*	*	*	48477	12679	25086	122362	14181	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	*	*	*	*	*	-
Ethiopian cabbage	-	-	-	*	*	*	18158	*	-
Tomatoes	-	-	-	*	*	*	1749	*	-
Green peppers	-	-	-	-	-	-	9245	*	-
Red peppers	*	*	*	48089	12655	25055	98922	13824	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	4806	*	101	11808	525	665	133867	3845	-
Beetroot	-	-	-	-	-	-	1824	2	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	-	-	-	-	-	-	*	*	-
Potatoes	*	*	*	7381	467	553	61211	2990	-
Garlic	2662	*	*	*	*	*	86499	392	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	14222	*	-
Other Temporary	1616	*	*	10040	*	*	80945	700	-
Permanent crops							38253	126	
Avocado							*	*	
Bananas							14031	32	
Guava							*	*	
Lemons							3720	*	
Mangoes							11175	27	
Oranges							*	*	
Papayas							*	*	
Pineapples							-	-	
Stimulant							107900	1230	
Chat							*	*	
Coffee							36578	*	
Hops / 'Gesho'							93616	539	
Enset							*	*	
Sugar cane							15199	305	
Other permanent							46668	114	

(Table 1.3.9 Cont'd.)

Awi

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	119922	44283	11988	41929	25364	44939	2880	213186	162635
Cereals	118258	43982	11916	38132	24859	8457	*	207452	137087
Teff	6791	*	*	16258	9000	*	*	90951	37055
Barley	-	-	-	*	*	*	*	20117	5183
Wheat	4585	*	*	*	*	*	*	42719	11761
Maize	114304	40759	8581	*	*	*	*	162357	53875
Sorghum	-	-	-	*	*	-	-	-	-
Finger millet	-	-	-	26307	12004	-	-	59448	29203
Oats / 'Aja'	-	-	-	-	-	-	-	*	*
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	*	2936	*	*	*	48933	7346
Horse / Faba beans	*	*	*	*	*	*	*	31650	4139
Field Peas	*	*	*	*	*	*	*	18616	1985
Haricot beans	-	-	-	-	-	-	-	*	*
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	*	*
Fenugreek	-	-	-	*	*	-	-	*	*
Gibto	-	-	-	-	-	*	*	5792	465
Oilseeds	*	*	-	*	*	*	*	60261	3050
Neug	-	-	-	-	-	-	-	*	*
Linseed	-	-	-	-	-	-	-	*	*
Groundnuts	-	-	-	-	-	-	-	*	*
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	*	*	-	*	*	*	*	59021	2807
Vegetables	-	-	-	*	-	9855	*	58736	13078
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	*	*	*	*
Ethiopian cabbage	-	-	-	-	-	*	*	*	*
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	-	-	-	-
Red peppers	-	-	-	*	-	9302	*	53371	12845
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	-	-	-	*	*	11633	*	32260	1357
Beetroot	-	-	-	-	-	-	-	*	*
Carrot	-	-	-	-	-	-	-	*	*
Onion	-	-	-	*	*	*	*	*	*
Potatoes	-	-	-	-	-	*	*	21160	1234
Garlic	-	-	-	*	*	*	*	11656	101
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	*	*
Other Temporary	-	-	-	-	-	4362	*	21073	471
Permanent crops				*	*	10984	34	2676	*
Avocado				-	-	*	*	*	*
Bananas				*	*	5843	11	*	*
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	*	*
Mangoes				-	-	*	*	*	*
Oranges				-	-	-	-	*	*
Papayas				-	-	*	*	-	-
Pineapples				-	-	-	-	-	-
Stimulant	*	*	-	*	*	12792	*	5896	*
Chat				*	*	-	-	-	-
Coffee	*	*	-	-	-	12792	*	5896	*
Hops / 'Gesho'				*	*	15716	89	*	76
Enset				-	-	-	-		
Sugar cane				-	-	8087	*	*	*
Other permanent				-	-	7844	13	*	*

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
All	62484	22405	1786	64805	18507	*	*	*
Cereals	47928	16152	1522	53074	12593	*	*	*
Teff	9322	2634	684	6589	1116	*	*	*
Barley	209	69	*	2139	69	-	-	-
Wheat	*	*	-	*	*	-	-	-
Maize	4282	2485	*	38281	2117	-	-	-
Sorghum	33979	10958	613	32529	9284	*	*	*
Finger millet	*	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
Pulses	4109	1252	*	17018	1118	*	*	*
Horse / Faba beans	*	*	-	*	*	-	-	-
Field Peas	*	*	*	*	*	-	-	-
Haricot beans	3090	870	*	12542	785	*	*	*
Chick peas	*	*	*	2057	*	-	-	-
Lentils	*	*	-	*	*	-	-	-
Vetch / Grass peas	*	-	-	-	-	-	-	-
Soya beans	*	*	-	*	*	-	-	-
Fenugreek	*	*	-	*	*	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	4851	1878	*	19755	1785	*	*	*
Neug	*	*	*	*	*	-	-	-
Linseed	*	*	*	*	*	-	-	-
Groundnuts	*	*	*	*	*	-	-	-
Safflower	617	*	*	7478	*	*	*	*
Sesame	2664	988	*	11248	964	*	*	*
Rapeseed	*	*	*	*	*	-	-	-
Vegetables	506	186	*	13108	166	*	*	*
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	*	*	-	-	-
Ethiopian cabbage	*	*	*	1690	*	*	*	*
Tomatoes	84	16	-	2499	16	-	-	-
Green peppers	*	*	-	1641	*	-	-	-
Red peppers	373	145	*	8345	130	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
Root crops	*	*	*	2949	*	-	-	-
Beetroot	-	-	-	-	-	-	-	-
Carrot	*	*	-	*	*	-	-	-
Onion	*	*	*	*	*	-	-	-
Potatoes	*	*	-	*	*	-	-	-
Garlic	*	*	*	2020	*	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	-	*	*	-	-	-
Other Temporary	459	251	*	16007	245	-	-	-
Permanent crops	408	272		16308	267			
Avocado	*	*		*	*			
Bananas	*	*		4337	*			
Guava	43	22		3436	22			
Lemons	20	*		2685	*			
Mangoes	58	25		4498	24			
Oranges	*	*		4827	*			
Papayas	21	*		5007	9			
Pineapples	-	-		-	-			
Stimulant	3814	2316		17912	2300			
Chat	2877	1818		14836	1804			
Coffee	938	499		12067	496			
Hops / 'Gesho'	-	-		-	-			
Enset	*	-		-	-			
Sugar cane	*	*		*	*			
Other permanent	*	*		1010	*			

(Table 1.3.10 cont'd.)

Oromia Zone

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	8320	2944	1276	768	*	*	96749	62270	13220
Cereals	7300	2670	1067	768	*	*	87901	47731	10727
Teff	3824	1035	448	*	*	*	33585	9262	2610
Barley	*	-	*	-	-	-	3868	200	171
Wheat	-	-	-	-	-	-	*	*	*
Maize	*	*	*	*	*	*	56489	4174	1651
Sorghum	4083	1404	536	*	*	*	73240	33959	6215
Finger millet	-	-	-	-	-	-	*	*	*
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	*	-	-	-	33063	4109	1256
Horse / Faba beans	-	-	-	-	-	-	*	*	*
Field Peas	*	*	*	-	-	-	*	*	*
Haricot beans	*	*	*	-	-	-	24149	3090	632
Chick peas	*	*	*	-	-	-	5351	*	*
Lentils	-	-	-	-	-	-	2362	*	43
Vetch / Grass peas	-	-	-	-	-	-	*	*	*
Soya beans	-	-	-	-	-	-	*	*	-
Fenugreek	-	-	-	-	-	-	*	*	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	1725	60	51	-	-	-	43584	4836	1237
Neug	*	*	*	-	-	-	2081	*	9
Linseed	*	*	*	-	-	-	4829	*	*
Groundnuts	*	*	*	-	-	-	13214	*	*
Safflower	*	*	*	-	-	-	15103	617	51
Sesame	*	*	*	-	-	-	26327	2649	369
Rapeseed	*	*	*	-	-	-	*	*	*
Vegetables	*	*	*	-	-	-	26613	506	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	*	*	-
Ethiopian cabbage	-	-	-	-	-	-	3726	*	-
Tomatoes	-	-	-	-	-	-	4154	84	-
Green peppers	-	-	-	-	-	-	3594	*	-
Red peppers	*	*	*	-	-	-	16938	373	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	*	-	-	-	6421	*	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	*	*	*	-	-	-	2860	*	-
Potatoes	-	-	-	-	-	-	*	*	-
Garlic	*	*	*	-	-	-	3698	*	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	*	*	-
Other Temporary	*	*	*	-	-	-	22467	459	-
Permanent crops							26747	405	
Avocado							*	*	
Bananas							5618	*	
Guava							6580	43	
Lemons							4626	20	
Mangoes							7868	55	
Oranges							8619	*	
Papayas							8455	21	
Pineapples							-	-	
Stimulant							28575	3814	
Chat							24005	2877	
Coffee							18236	938	
Hops / 'Gesho'							-	-	
Enset							*	*	
Sugar cane							1494	*	
Other permanent							2653	*	

(Table 1.3.10 Cont'd.)

Oromia Zone

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	1684	*	*	22365	9629	14339	2792	4805	1144
Cereals	931	*	*	16779	7437	5145	814	3871	1021
Teff	*	*	*	798	*	1475	*	1993	*
Barley	*	*	*	-	-	*	*	-	-
Wheat	-	-	-	*	*	-	-	*	*
Maize	*	*	*	1362	*	3144	86	711	*
Sorghum	*	*	*	15790	6859	2646	*	1322	*
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	*	*	*	*	-	-
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	*	*	-	-	-	-
Chick peas	-	-	-	*	*	*	*	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	*	*	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	*	*	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	*	*	*	*	*	*	*	*	*
Neug	-	-	-	-	-	*	*	-	-
Linseed	-	-	-	-	-	*	*	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	*	*	-	-	*	*
Sesame	*	*	*	*	*	899	*	*	*
Rapeseed	-	-	-	-	-	*	*	*	*
Vegetables	-	-	-	*	*	2935	78	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	*	*	-	-
Ethiopian cabbage	-	-	-	-	-	*	*	-	-
Tomatoes	-	-	-	-	-	*	*	-	-
Green peppers	-	-	-	-	-	*	*	-	-
Red peppers	-	-	-	*	*	933	*	*	*
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	-	-	-	-	-	*	*	-	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	*	*	-	-
Onion	-	-	-	-	-	*	*	-	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	*	*	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	*	*	-	-
Other Temporary	-	-	-	-	-	*	*	-	-
Permanent crops				*	*	7577	230	*	*
Avocado				-	-	*	*	-	-
Bananas				-	-	2627	*	*	*
Guava				-	-	2104	25	-	-
Lemons				-	-	1243	*	-	-
Mangoes				-	-	2815	*	*	*
Oranges				*	*	3204	*	*	*
Papayas				-	-	*	*	-	-
Pineapples				-	-	-	-	-	-
Stimulant	-	-	-	*	*	8973	1307	*	*
Chat				*	*	8073	1053	*	*
Coffee	-	-	-	*	*	5124	255	-	-
Hops / 'Gesho'				-	-	-	-	-	-
Enset				-	-	*	*		
Sugar cane				-	-	*	*	-	-
Other permanent				*	*	*	*	-	-

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

Argoba special

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	6177	2025	42	5138	1871	*	*	*
Cereals	4670	1709	33	4688	1591	*	*	*
Teff	390	123	*	451	111	*	*	*
Barley	6	6	-	248	6	-	-	-
Wheat	*	*	-	*	*	-	-	-
Maize	726	171	*	2706	144	*	*	*
Sorghum	3502	1389	11	3871	1310	*	*	*
Finger millet	9	5	-	249	5	-	-	-
Oats / 'Aja'	19	*	-	77	*	-	-	-
Rice	*	-	-	-	-	-	-	-
Pulses	284	119	*	1698	93	-	-	-
Horse / Faba beans	*	*	-	*	*	-	-	-
Field Peas	10	*	-	97	*	-	-	-
Haricot beans	254	116	*	1450	89	-	-	-
Chick peas	*	*	-	*	*	-	-	-
Lentils	3	*	-	*	*	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	*	-	-	-	-	-	-	-
Fenugreek	2	1	-	383	1	-	-	-
Gibto	*	*	-	*	*	-	-	-
Oilseeds	1020	123	*	1426	113	-	-	-
Neug	*	*	-	*	*	-	-	-
Linseed	4	*	-	123	*	-	-	-
Groundnuts	-	-	-	-	-	-	-	-
Safflower	85	15	*	748	15	-	-	-
Sesame	928	105	*	884	96	-	-	-
Rapeseed	-	-	-	-	-	-	-	-
Vegetables	36	20	*	1836	20	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-
Ethiopian cabbage	*	-	-	-	-	-	-	-
Tomatoes	-	-	-	-	-	-	-	-
Green peppers	4	*	-	219	*	-	-	-
Red peppers	32	18	*	1598	18	-	-	-
Swiss chard	*	*	-	*	*	-	-	-
Root crops	1	1	*	403	1	*	*	*
Beetroot	*	*	-	*	*	-	-	-
Carrot	*	*	-	*	*	-	-	-
Onion	*	*	*	-	-	*	*	*
Potatoes	*	*	-	*	*	-	-	-
Garlic	*	*	-	312	*	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	-	75	*	-	-	-
Other Temporary	151	*	-	1834	*	-	-	-
Permanent crops	3	*		270	*			
Avocado	*	*		*	*			
Bananas	*	*		*	*			
Guava	1	*		*	*			
Lemons	*	*		*	*			
Mangoes	*	*		126	*			
Oranges	*	*		*	*			
Papayas	*	*		91	*			
Pineapples	-	-		-	-			
Stimulant	11	6		314	6			
Chat	5	*		147	*			
Coffee	5	3		203	3			
Hops / 'Gesho'	-	-		-	-			
Enset	-	-		-	-			
Sugar cane	*	*		*	*			
Other permanent	*	*		*	*			

(Table 1.3.11 ont'd.)

Argoba Special

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	111	73	*	247	72	*	7915	6177	1213
Cereals	111	49	*	228	60	*	7821	4670	993
Teff	*	*	*	-	-	-	1606	390	101
Barley	-	-	-	-	-	-	321	6	10
Wheat	-	-	-	-	-	-	96	*	*
Maize	-	-	-	172	*	*	4682	726	221
Sorghum	73	*	*	*	*	*	6882	3502	620
Finger millet	-	-	-	-	-	-	415	9	2
Oats / 'Aja'	-	-	-	-	-	-	192	19	22
Rice	-	-	-	-	-	-	*	*	*
Pulses	73	15	*	*	*	*	2958	284	51
Horse / Faba beans	-	-	-	-	-	-	77	*	*
Field Peas	-	-	-	-	-	-	208	10	6
Haricot beans	73	15	*	*	*	*	2521	254	37
Chick peas	-	-	-	-	-	-	*	*	*
Lentils	-	-	-	-	-	-	73	3	1
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	*	*	*
Fenugreek	-	-	-	-	-	-	513	2	1
Gibto	-	-	-	-	-	-	*	*	*
Oilseeds	*	*	*	*	*	*	3793	1020	169
Neug	-	-	-	-	-	-	70	*	*
Linseed	-	-	-	-	-	-	346	4	1
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	*	*	*	1719	85	3
Sesame	*	*	*	-	-	-	3001	928	165
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	-	-	-	*	*	*	2807	36	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	*	*	-
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	-	385	4	-
Red peppers	-	-	-	*	*	*	2342	32	-
Swiss chard	-	-	-	-	-	-	*	*	-
Root crops	-	-	-	-	-	-	458	1	-
Beetroot	-	-	-	-	-	-	*	*	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	-	-	-	-	-	-	*	*	-
Potatoes	-	-	-	-	-	-	*	*	-
Garlic	-	-	-	-	-	-	367	*	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	75	*	-
Other Temporary	-	-	-	-	-	-	3002	151	-
Permanent crops							508	3	
Avocado							*	*	
Bananas							113	*	
Guava							215	1	
Lemons							*	*	
Mangoes							255	*	
Oranges							144	*	
Papayas							182	*	
Pineapples							-	-	
Stimulant							599	11	
Chat							278	5	
Coffee							412	5	
Hops / 'Gesho'							-	-	
Enset							-	-	
Sugar cane							*	*	
Other permanent							70	*	

(Table 1.3.11 Cont'd.)

Argoba Special

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	*	*	-	3583	1601	376	136	77	*
Cereals	-	-	-	3504	1501	180	121	*	*
Teff	-	-	-	72	*	*	*	-	-
Barley	-	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-	-
Maize	-	-	-	1349	91	180	116	*	*
Sorghum	-	-	-	3370	1395	-	-	*	*
Finger millet	-	-	-	*	*	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	*	*	-	-	-	-
Pulses	-	-	-	694	49	-	-	-	-
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	*	*	-	-	-	-
Haricot beans	-	-	-	657	48	-	-	-	-
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	*	*	-	-	-	-
Oilseeds	-	-	-	519	39	*	*	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	86	*	*	*	-	-
Sesame	-	-	-	483	38	*	*	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	-	-	-	223	3	*	*	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	-	-	-	-
Red peppers	-	-	-	223	3	*	*	*	*
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	-	-	-	-	-	*	*	-	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	*	*	-	-
Onion	-	-	-	-	-	*	*	-	-
Potatoes	-	-	-	-	-	*	*	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other Temporary	-	-	-	334	10	*	*	-	-
Permanent crops				-	-	181	*	-	-
Avocado				-	-	*	*	-	-
Bananas				-	-	75	*	-	-
Guava				-	-	*	*	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	*	*	-	-
Oranges				-	-	*	*	-	-
Papayas				-	-	*	*	-	-
Pineapples				-	-	-	-	-	-
Stimulant	*	*	-	-	-	181	4	-	-
Chat				-	-	*	*	-	-
Coffee	*	*	-	-	-	124	*	-	-
Hops / 'Gesho'				-	-	-	-	-	-
Enset				-	-	-	-		
Sugar cane				-	-	*	*	-	-
Other permanent				-	-	*	*	-	-

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

Oromia Region

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	6423845	3610484	2944038	3447710	654375	2124805	1465315	1066969
Cereals	4486163	3023309	2620653	2215143	401005	1962448	1282442	936049
Teff	1256565	966863	818861	136121	25077	809033	399120	249030
Barley	448545	291535	226395	317956	42549	547579	185857	157136
Wheat	872972	754531	781350	184787	26662	798256	445805	375334
Maize	1115957	737842	674990	1825418	217610	638247	167093	112911
Sorghum	675657	217073	87955	469101	86010	181425	41749	18162
Finger millet	92307	43031	22392	23013	1835	111980	35291	18969
Oats / 'Aja'	21889	10728	6437	24129	1169	45005	7501	4503
Rice	2270	*	*	3270	*	*	*	*
Pulses	734045	225866	111731	951579	77228	509114	110687	71218
Horse / Faba beans	237163	94825	39243	455184	40607	260740	45010	30366
Field Peas	99941	36173	20153	81905	7054	101485	22724	13425
Haricot beans	171667	68877	40423	409274	21277	146320	34039	22905
Chick peas	90757	4978	1712	23354	2696	7408	605	445
Lentils	37050	9605	6308	20882	1305	51479	4145	2189
Vetch / Grass peas	67423	2387	176	23329	2089	2098	*	*
Soya beans	14118	*	782	6927	322	*	*	*
Fenugreek	15739	6833	2925	128058	1843	34807	3354	*
Gibto	*	*	*	*	*	*	*	*
Oilseeds	378563	62775	34455	324285	15468	137988	22595	10343
Neug	188558	6946	1102	13494	2104	11492	4568	867
Linseed	73863	11930	4453	46166	3395	47571	7107	3152
Groundnuts	56951	24544	16835	38998	3571	36396	5383	3102
Safflower	2070	378	427	8007	50	*	*	*
Sesame	42220	8967	3479	13495	*	15518	3979	1576
Rapeseed	14901	10010	8159	215622	4981	36312	1537	1615
Vegetables	85220	54920	50756	1574468	17288	106772	7595	6410
Lettuce	37	24	-	15524	24	-	-	-
Head cabbage	1547	1097	306	166457	867	9259	143	151
Ethiopian cabbage	10691	7558	936	1035889	6920	22378	305	303
Tomatoes	4492	3279	*	51700	413	5012	*	*
Green peppers	7079	2650	452	484634	2045	12948	*	*
Red peppers	61159	40118	35384	279726	6983	64225	6315	5295
Swiss chard	*	*	*	22372	36	*	*	*
Root crops	82072	58947	51362	1240087	18709	266904	22927	24199
Beetroot	1111	742	285	206184	498	13060	165	*
Carrot	661	557	79	65859	440	7254	*	*
Onion	11024	9291	12216	172588	1520	28173	2900	2891
Potatoes	39255	35035	34222	209916	6683	182377	18386	19660
Garlic	8620	4876	1805	607884	3493	41300	684	746
Taro 'Godere'	5501	2908	*	266771	2684	*	*	*
Sweet potatoes	15901	5537	2394	176204	3390	19886	522	420
Other Temporary	35804	18120	5969	1065440	13339	59325	2422	1890
Permanent crops	20672	5933		488485	5152			
Avocado	2766	833		125016	788			
Bananas	11713	3552		300164	3196			
Guava	577	177		32139	129			
Lemons	108	34		12379	33			
Mangoes	3789	847		102561	581			
Oranges	1053	265		49950	241			
Papayas	605	225		78922	183			
Pineapples	60	*		2304	*			
Stimulant	496115	105907		1044618	52861			
Chat	117316	68064		547422	23558			
Coffee	374733	35850		532573	27515			
Hops / 'Gesho'	4066	1994		246051	1787			
Enset	94071	52035		1024333	51339			
Sugar cane	7594	1793		131735	1334			
Other permanent	3525	880		161928	651			

(Table 1.4 cont'd.)

Oromia Region

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	497579	173139	132582	1988943	1317655	1744487	5595301	5978586	4940292
Cereals	377376	128668	92022	1898581	1211194	1592582	5190660	4068189	3970198
Teff	111941	41777	28335	769911	500889	541497	2322620	1249732	663971
Barley	27201	4544	2514	215559	58585	66745	1559675	441528	887414
Wheat	68126	11660	10308	648110	270404	395708	1935735	835014	1838545
Maize	170683	26287	21835	959594	326852	540243	3576722	750195	333677
Sorghum	150170	41724	27376	194860	47590	42417	2098875	675400	176625
Finger millet	7257	1444	553	25722	4461	2870	433398	92160	35653
Oats / 'Aja'	8600	934	659	15232	1125	1274	179806	21889	32014
Rice	*	*	*	*	*	*	24347	2270	*
Pulses	79241	7435	5017	226313	30516	35496	2987787	727913	849913
Horse / Faba beans	10656	1388	506	64354	7821	8371	1492795	236216	326915
Field Peas	2398	*	*	32376	6178	6548	546543	99829	121688
Haricot beans	49848	4195	3522	99567	9367	13996	1306869	169023	148260
Chick peas	*	*	*	7356	1519	1150	284596	89284	118572
Lentils	4572	*	*	28144	3621	3934	303819	36343	31823
Vetch / Grass peas	*	*	*	*	*	*	285823	67423	81418
Soya beans	*	*	*	3224	*	*	54141	13869	13618
Fenugreek	14766	444	367	29078	1193	1096	345484	15739	7523
Gibto	-	-	-	-	-	-	4861	*	*
Oilseeds	63805	11090	8156	116251	13622	15956	1453484	378028	120181
Neug	*	*	*	1459	*	*	484448	188558	30636
Linseed	9255	*	*	19874	936	974	448451	73454	46088
Groundnuts	38961	8407	6810	28582	*	6923	238653	56951	32502
Safflower	2620	*	*	2990	*	*	33587	2070	*
Sesame	9825	1675	597	4852	*	1307	151440	42152	5030
Rapeseed	4858	116	114	62373	3377	6429	410790	14843	5273
Vegetables	91715	8859	7268	119131	21177	37077	2541302	84360	-
Lettuce	-	-	-	-	-	-	19702	35	-
Head cabbage	2662	*	*	2768	*	*	256267	1479	-
Ethiopian cabbage	6892	*	*	8497	181	417	1416848	10669	-
Tomatoes	4342	*	*	6922	*	*	94783	3973	-
Green peppers	10262	97	100	7822	*	169	776138	7076	-
Red peppers	69873	8471	6878	97691	18349	23211	737276	60914	-
Swiss chard	*	*	*	*	*	*	31385	*	-
Root crops	73095	2657	2423	161168	14653	24740	2268560	80785	-
Beetroot	2325	*	*	4420	*	*	315192	1050	-
Carrot	*	*	*	*	*	*	95462	595	-
Onion	18373	901	825	35443	3970	8500	315215	10092	-
Potatoes	14829	855	798	72492	9110	13764	527938	39118	-
Garlic	15589	153	147	29942	546	*	938447	8560	-
Taro 'Godere'	-	-	-	*	*	*	445926	5490	-
Sweet potatoes	27652	729	638	31320	896	1335	541379	15879	-
Other Temporary	22428	350	445	60763	2009	3635	1697891	35684	-
Permanent crops							1184850	20329	
Avocado							282539	2514	
Bananas							807196	11671	
Guava							107768	577	
Lemons							29452	108	
Mangoes							378670	3758	
Oranges							150814	1052	
Papayas							181584	588	
Pineapples							8584	60	
Stimulant							2589857	479857	
Chat							1435422	117080	
Coffee							1615422	358727	
Hops / 'Gesho'							449285	4050	
Enset							1493633	93915	
Sugar cane							337036	7588	
Other permanent							324299	1937	

(Table 1.4 Cont'd.)

Oromia Region

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	1151751	445201	186976	2568732	2007242	371793	67244	1883365	1058505
Cereals	1023044	417974	180028	2438784	1906410	185130	23797	1763090	926893
Teff	20437	6832	2783	1491789	843514	9203	1473	223285	100066
Barley	14352	7018	13901	631186	210646	4998	*	219466	79220
Wheat	103997	37957	72641	1271878	690011	10747	1911	442409	256148
Maize	914831	365763	90654	189550	69577	129458	12213	1232883	432255
Sorghum	1604	257	*	126790	54361	86789	7575	258949	50280
Finger millet	*	*	*	107056	24170	*	*	24507	2659
Oats / 'Aja'	-	-	-	86467	14059	*	*	30770	6193
Rice	-	-	-	*	*	*	*	*	*
Pulses	35189	6132	6514	207593	62729	27745	1229	303040	50497
Horse / Faba beans	4345	947	1918	83432	15411	*	*	102142	15673
Field Peas	*	*	*	46349	9707	*	*	17618	4244
Haricot beans	7981	*	*	18355	1952	16882	555	152437	24065
Chick peas	10484	1473	1999	41433	19349	*	*	16737	2563
Lentils	*	*	*	63835	12135	*	*	10249	1573
Vetch / Grass peas	-	-	-	19177	3540	-	-	4292	*
Soya beans	*	*	*	*	*	*	*	*	*
Fenugreek	-	-	-	10100	605	5180	*	25068	682
Gibto	-	-	-	-	-	-	-	*	*
Oilseeds	3530	*	*	54608	6501	18039	*	147624	21814
Neug	*	-	*	2059	340	*	*	2650	263
Linseed	*	*	*	43464	5716	3770	55	26387	*
Groundnuts	-	-	-	*	*	*	*	56058	10679
Safflower	-	-	-	*	*	-	-	*	*
Sesame	*	*	*	*	*	*	*	10743	*
Rapeseed	1439	*	-	4865	226	*	*	58241	3329
Vegetables	24573	858	-	50304	5174	66985	5773	97062	8213
Lettuce	*	*	-	-	-	*	*	*	*
Head cabbage	14429	68	-	3797	27	4767	*	10307	57
Ethiopian cabbage	1915	*	-	9475	232	19460	356	31131	446
Tomatoes	3992	517	-	8568	2302	16760	2703	9569	*
Green peppers	*	*	-	7976	*	25609	*	13501	145
Red peppers	2907	*	-	23491	2317	15003	374	39746	6079
Swiss chard	*	*	-	*	*	*	*	*	*
Root crops	47117	1286	-	171811	18419	126156	7213	194766	14391
Beetroot	16976	61	-	4118	*	11295	49	11537	43
Carrot	9368	*	-	*	*	5216	*	7177	*
Onion	16250	932	-	38919	4906	41093	4005	28623	3118
Potatoes	5507	*	-	96734	12221	11051	573	97194	9252
Garlic	1718	*	-	48157	1084	21462	212	43023	671
Taro 'Godere'	2587	11	-	*	*	*	*	3351	*
Sweet potatoes	1501	*	-	*	*	56518	2316	32952	928
Other Temporary	5572	*	-	18324	949	27516	379	98842	2349
Permanent crops				3906	*	85817	2222	19373	339
Avocado				-	-	*	*	3093	*
Bananas				*	*	69671	1661	8445	158
Guava				*	*	4129	*	*	*
Lemons				*	*	1949	*	*	*
Mangoes				*	*	10242	155	5329	*
Oranges				*	*	4628	*	*	*
Papayas				-	-	14832	143	2474	*
Pineapples				-	-	-	-	-	-
Stimulant	101175	16187	-	58135	6112	225528	21316	290536	32170
Chat				49266	4420	179982	16402	232522	21358
Coffee	99018	16006	-	11393	1692	104230	4913	90843	10812
Hops / 'Gesho'				11312	*	23099	227	10318	139
Enset				5528	*	11298	115		
Sugar cane				*	*	53576	3517	7547	*
Other permanent				*	*	10921	55	6343	*

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

West Welega

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	353219	139459	86003	193583	45893	109163	49903	28623
Cereals	209800	120299	81401	156454	33559	102502	48305	27505
Teff	36920	32415	19871	14311	1750	66198	23958	14478
Barley	1452	417	*	14280	332	1249	*	*
Wheat	3206	2497	1097	15862	1084	15108	1085	759
Maize	73230	53855	47239	143780	24696	11594	1381	867
Sorghum	56680	6543	427	34429	5429	5383	676	239
Finger millet	38279	24547	12643	2604	244	56693	21175	11133
Oats / 'Aja'	33	25	-	1493	25	-	-	-
Rice	-	-	-	-	-	-	-	-
Pulses	15685	3321	615	67051	2327	7238	826	458
Horse / Faba beans	3663	1195	274	22914	857	3709	283	*
Field Peas	1128	381	*	8278	313	*	*	*
Haricot beans	9270	1263	224	45285	900	2102	*	*
Chick peas	*	*	-	*	*	-	-	-
Lentils	*	*	-	*	*	-	-	-
Vetch / Grass peas	97	73	-	4933	73	-	-	-
Soya beans	*	*	*	*	*	*	*	*
Fenugreek	165	51	-	4978	51	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	34628	2047	1229	27078	799	1923	*	*
Neug	21838	*	*	*	50	*	*	*
Linseed	714	*	-	*	*	-	-	-
Groundnuts	*	*	-	*	*	-	-	-
Safflower	*	*	*	*	*	*	*	*
Sesame	*	*	*	*	*	*	*	*
Rapeseed	1513	994	506	22832	677	*	*	*
Vegetables	*	*	*	82032	2204	3357	157	178
Lettuce	*	*	-	*	*	-	-	-
Head cabbage	*	*	*	8285	*	-	-	-
Ethiopian cabbage	207	111	*	12112	107	*	*	*
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	285	149	*	14044	*	*	*	*
Red peppers	*	*	*	61036	1822	2479	*	*
Swiss chard	*	*	-	*	*	-	-	-
Root crops	3937	1519	187	67216	1350	5705	96	*
Beetroot	49	*	*	6039	*	*	*	*
Carrot	19	*	*	3363	*	*	*	*
Onion	*	14	*	5928	14	*	*	*
Potatoes	*	*	*	*	*	*	*	*
Garlic	69	45	3	16788	43	1203	*	*
Taro 'Godere'	334	92	*	11917	70	-	-	-
Sweet potatoes	3384	1291	129	41704	1153	3593	88	*
Other Temporary	5866	3897	749	103824	3349	6188	*	*
Permanent crops	4637	966		42265	905			
Avocado	553	86		7763	82			
Bananas	2318	*		25352	*			
Guava	*	*		*	*			
Lemons	*	*		*	*			
Mangoes	1201	94		9882	94			
Oranges	494	*		11591	*			
Papayas	41	*		4288	*			
Pineapples	*	-		-	-			
Stimulant	70894	1272		28591	*			
Chat	1760	431		12081	*			
Coffee	68923	*		15236	*			
Hops / 'Gesho'	211	48		7811	41			
Enset	87	*		2576	27			
Sugar cane	499	*		2711	*			
Other permanent	*	7		2268	7			

(Table 1.4.1cont'd.)

West Welega

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	13691	2638	1138	148946	41025	56243	291918	327492	88173
Cereals	6962	2312	959	145559	36122	52937	270988	184916	70396
Teff	*	*	*	16218	5914	5057	110217	36920	23033
Barley	-	-	-	*	*	*	36452	1412	1606
Wheat	*	*	*	3310	277	328	46215	3150	2911
Maize	3180	*	*	134744	27351	45980	243758	48490	15124
Sorghum	*	*	*	*	*	*	197947	56680	12130
Finger millet	2275	*	172	10213	2286	1338	133281	38230	15566
Oats / 'Aja'	-	-	-	-	-	-	2150	33	*
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	*	2928	119	*	155558	15685	12708
Horse / Faba beans	-	-	-	*	*	*	57751	3663	4359
Field Peas	-	-	-	*	*	*	26005	1128	884
Haricot beans	-	-	-	1793	*	*	113228	9270	6565
Chick peas	-	-	-	-	-	-	*	*	*
Lentils	-	-	-	-	-	-	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	6921	97	60
Soya beans	*	*	*	*	*	*	11530	*	*
Fenugreek	-	-	-	-	-	-	8420	165	31
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	*	*	*	8751	*	1047	132668	34626	5069
Neug	*	*	*	-	-	-	82335	21838	3032
Linseed	-	-	-	-	-	-	17444	714	*
Groundnuts	-	-	-	-	-	-	10140	*	189
Safflower	-	-	-	*	*	*	*	*	*
Sesame	-	-	-	*	*	*	19852	*	*
Rapeseed	-	-	-	7663	282	486	43132	1512	*
Vegetables	*	*	*	6647	*	*	142412	*	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	*	*	*	-	-	-	13150	*	-
Ethiopian cabbage	-	-	-	*	*	*	30081	206	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	*	*	*	32528	285	-
Red peppers	*	*	*	*	*	*	96491	*	-
Swiss chard	-	-	-	-	-	-	*	*	-
Root crops	*	*	*	*	*	*	145630	3924	-
Beetroot	*	*	*	-	-	-	12182	49	-
Carrot	-	-	-	-	-	-	8659	19	-
Onion	*	*	*	-	-	-	8538	*	-
Potatoes	-	-	-	-	-	-	2166	*	-
Garlic	*	*	*	-	-	-	30967	69	-
Taro 'Godere'	-	-	-	*	*	*	37710	334	-
Sweet potatoes	*	*	*	*	*	*	110452	3371	-
Other Temporary	*	*	*	9291	317	546	171507	5851	-
Permanent crops							174197	4635	
Avocado							36578	552	
Bananas							129970	2318	
Guava							*	*	
Lemons							5532	*	
Mangoes							65909	1200	
Oranges							43591	493	
Papayas							15795	41	
Pineapples							*	*	
Stimulant							228599	70084	
Chat							54784	1760	
Coffee							213061	68114	
Hops / 'Gesho'							30790	211	
Enset							13545	87	
Sugar cane							17111	499	
Other permanent							7339	*	

(Table 1.4.1 Cont'd.)

West Welega

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	131418	25727	5663	82915	25005	3522	258	114473	23031
Cereals	128712	24885	5663	82328	24834	-	-	112996	22472
Teff	-	-	-	22135	7995	-	-	1206	*
Barley	*	*	*	2651	*	-	-	*	*
Wheat	*	*	*	13600	918	-	-	*	*
Maize	127796	24740	5624	35151	4802	-	-	111427	21757
Sorghum	-	-	-	15625	*	-	-	-	-
Finger millet	*	*	*	27700	7464	-	-	*	*
Oats / 'Aja'	-	-	-	*	*	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	*	*	-	-	1526	*
Horse / Faba beans	-	-	-	*	*	-	-	-	-
Field Peas	-	-	-	*	*	-	-	-	-
Haricot beans	-	-	-	-	-	-	-	1238	*
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	*	*
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	*	*	-	*	*	-	-	5300	118
Neug	-	-	-	-	-	-	-	*	*
Linseed	-	-	-	*	*	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	*	*	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	*	*	-	*	*	-	-	4964	110
Vegetables	*	*	-	-	-	-	-	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	-	-	-	-	*	*
Ethiopian cabbage	*	*	-	-	-	-	-	*	*
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	-	-	-	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	-	*	*	*	*	1171	*
Beetroot	*	*	-	-	-	-	-	*	*
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	*	*	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	*	*	-	-
Sweet potatoes	*	*	-	*	*	-	-	*	*
Other Temporary	1502	*	-	*	*	-	-	9007	*
Permanent crops				-	-	*	*	*	*
Avocado				-	-	*	*	-	-
Bananas				-	-	*	*	*	*
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	*	*	-	-
Oranges				-	-	*	*	*	*
Papayas				-	-	-	-	-	-
Pineapples				-	-	-	-	-	-
Stimulant	4147	*	-	-	-	*	*	2649	*
Chat				-	-	*	*	*	*
Coffee	4147	*	-	-	-	*	*	2032	*
Hops / 'Gesho'				*	*	*	*	*	*
Enset				-	-	-	-		
Sugar cane				-	-	1478	96	*	*
Other permanent				-	-	-	-	-	-

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

East Welega

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	381764	170439	161951	151652	28320	75237	63014	37411
Cereals	272898	156261	156379	115308	21133	73397	60704	36306
Teff	75975	54215	29476	3592	*	64723	44573	24611
Barley	6685	1035	*	14869	958	*	*	*
Wheat	10227	4691	*	10878	900	4485	366	264
Maize	115650	84487	116032	107576	17198	16158	*	*
Sorghum	43393	923	*	8578	831	*	*	*
Finger millet	20236	10879	6403	*	*	23499	10408	6216
Oats / 'Aja'	*	-	-	-	-	-	-	-
Rice	*	*	*	*	*	-	-	-
Pulses	21529	4015	*	41725	2297	*	*	*
Horse / Faba beans	8449	1808	*	24225	1722	*	*	*
Field Peas	3627	*	*	2489	50	*	*	*
Haricot beans	3589	*	*	10481	*	-	-	-
Chick peas	*	*	-	2143	*	-	-	-
Lentils	*	*	-	*	*	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	*	*	*	*	*	*	*	*
Fenugreek	129	*	*	8990	*	*	*	*
Gibto	-	-	-	-	-	-	-	-
Oilseeds	64461	3266	966	18390	417	5096	*	263
Neug	43834	*	*	1612	58	*	*	*
Linseed	*	*	*	*	*	*	*	*
Groundnuts	9456	*	*	*	*	-	-	-
Safflower	*	*	-	*	*	-	-	-
Sesame	9592	*	*	*	*	*	*	*
Rapeseed	879	515	339	15917	318	2413	*	*
Vegetables	4155	2551	1482	81193	1057	2468	85	95
Lettuce	*	*	-	*	*	-	-	-
Head cabbage	41	25	-	7619	25	-	-	-
Ethiopian cabbage	80	61	-	7510	61	-	-	-
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	242	*	*	28903	*	*	*	*
Red peppers	3748	2220	1480	51645	728	2271	83	*
Swiss chard	*	*	-	*	*	-	-	-
Root crops	2062	719	*	63498	551	*	*	*
Beetroot	31	25	-	14441	25	-	-	-
Carrot	*	*	-	3165	*	-	-	-
Onion	*	*	*	17456	58	*	*	*
Potatoes	347	*	-	*	*	-	-	-
Garlic	241	162	10	41426	151	*	*	*
Taro 'Godere'	76	55	*	8253	55	*	*	*
Sweet potatoes	1180	165	*	11141	107	*	*	*
Other Temporary	3009	2218	*	67556	1512	2486	106	148
Permanent crops	940	329		30270	329			
Avocado	*	*		*	*			
Bananas	455	189		19508	189			
Guava	-	-		-	-			
Lemons	3	*		*	*			
Mangoes	422	*		12577	*			
Oranges	10	*		*	*			
Papayas	16	9		4983	9			
Pineapples	-	-		-	-			
Stimulant	12296	1044		31687	990			
Chat	1051	186		10525	173			
Coffee	10869	746		19245	718			
Hops / 'Gesho'	376	112		12954	99			
Enset	23	*		*	*			
Sugar cane	312	*		1021	*			
Other permanent	*	16		5017	12			

(Table 1.4.2 cont'd.)

East Welega

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	22723	*	*	94824	72930	120790	227503	322327	129695
Cereals	9932	*	*	93394	70565	117345	217687	214487	100946
Teff	1686	231	*	19206	8353	4763	123510	75822	37603
Barley	-	-	-	*	*	*	40463	6685	11320
Wheat	*	*	*	10073	*	*	48580	10121	16371
Maize	*	*	*	79360	58522	108294	192700	57498	17964
Sorghum	-	-	-	*	*	*	117843	43393	9856
Finger millet	*	*	*	*	*	*	65124	20236	7025
Oats / 'Aja'	-	-	-	-	-	-	*	*	*
Rice	*	*	*	-	-	-	*	*	*
Pulses	*	*	*	3517	*	*	110990	20859	16446
Horse / Faba beans	-	-	-	*	*	*	65172	8449	8035
Field Peas	*	*	*	*	*	*	20396	3627	3127
Haricot beans	*	*	*	1554	*	*	33636	2919	1466
Chick peas	-	-	-	-	-	-	6886	*	554
Lentils	-	-	-	-	-	-	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	*	*	*	*	*	*
Fenugreek	-	-	-	-	-	-	16420	129	54
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	*	*	*	2545	*	*	149680	64461	12303
Neug	-	-	-	-	-	-	98890	43834	7015
Linseed	-	-	-	-	-	-	3502	*	*
Groundnuts	*	*	*	-	-	-	27018	9456	*
Safflower	-	-	-	-	-	-	*	*	*
Sesame	*	*	*	*	*	*	32126	9592	1639
Rapeseed	-	-	-	2269	*	*	30050	879	*
Vegetables	11159	*	*	9575	552	803	140488	4122	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	-	-	-	-	-	-	9768	38	-
Ethiopian cabbage	-	-	-	-	-	-	10065	80	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	37358	241	-
Red peppers	11159	*	*	9575	552	803	103264	3746	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	*	*	*	*	109322	2032	-
Beetroot	-	-	-	-	-	-	17235	28	-
Carrot	-	-	-	-	-	-	3437	*	-
Onion	*	*	*	*	*	*	20712	*	-
Potatoes	-	-	-	-	-	-	7525	*	-
Garlic	*	*	*	*	*	*	57487	241	-
Taro 'Godere'	-	-	-	-	-	-	11662	76	-
Sweet potatoes	-	-	-	*	*	*	42580	1173	-
Other Temporary	*	*	*	*	*	*	108856	3008	-
Permanent crops							72757	933	
Avocado							1521	*	
Bananas							43762	455	
Guava							-	-	
Lemons							1841	3	
Mangoes							40175	422	
Oranges							2944	10	
Papayas							8717	15	
Pineapples							-	-	
Stimulant							90301	12012	
Chat							27936	1049	
Coffee							67858	10599	
Hops / 'Gesho'							38101	365	
Enset							5778	23	
Sugar cane							8752	312	
Other permanent							9165	*	

(Table 1.4.2 Cont'd.)

East Welega

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	85842	59437	14327	90386	55945	*	*	78494	57025
Cereals	78742	58411	14186	87573	55681	*	*	75939	55670
Teff	*	*	*	68663	38581	*	*	*	*
Barley	-	-	-	*	*	*	*	*	*
Wheat	*	*	*	21704	3685	-	-	*	*
Maize	76946	58152	13834	2311	727	-	-	73930	55304
Sorghum	-	-	-	9663	4519	-	-	*	*
Finger millet	-	-	-	28363	8024	-	-	-	-
Oats / 'Aja'	-	-	-	*	*	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	*	*	*	-	-	*	*
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	*	*	*	-	-	-	-	*	*
Chick peas	-	-	-	*	*	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	*	*
Fenugreek	-	-	-	*	*	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	*	*	-	-	*	*
Neug	-	-	-	*	*	-	-	-	-
Linseed	-	-	-	*	*	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	*	*
Vegetables	2944	*	-	1596	*	*	*	*	*
Lettuce	*	*	-	-	-	-	-	-	-
Head cabbage	*	*	-	*	*	-	-	*	*
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	*	*	-	-	-	*	*	*	*
Green peppers	*	*	-	*	*	*	*	*	*
Red peppers	*	*	-	*	*	*	*	*	*
Swiss chard	*	*	-	-	-	-	-	*	*
Root crops	5445	30	-	2113	*	*	*	1752	*
Beetroot	2174	4	-	*	*	*	*	*	*
Carrot	*	*	-	-	-	*	*	*	*
Onion	*	*	-	*	*	*	*	*	*
Potatoes	*	*	-	-	-	-	-	-	-
Garlic	-	-	-	*	*	*	*	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	-	-	-	-	-	*	*
Other Temporary	*	*	-	*	*	*	*	*	*
Permanent crops				-	-	*	*	*	*
Avocado				-	-	-	-	-	-
Bananas				-	-	*	*	*	*
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	*	*	*	*
Oranges				-	-	*	*	-	-
Papayas				-	-	-	-	-	-
Pineapples				-	-	-	-	-	-
Stimulant	8731	*	-	*	*	*	*	*	*
Chat				*	*	*	*	-	-
Coffee	8731	*	-	-	-	*	*	*	*
Hops / 'Gesho'				-	-	*	*	*	*
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
All	349138	97448	76180	153331	27328	69756	34493	21266
Cereals	227136	85603	72832	104632	19194	67753	33920	20844
Teff	68144	32960	17244	4867	903	46520	26586	13844
Barley	5209	358	*	6548	337	*	*	*
Wheat	7522	3812	4495	6424	303	16459	2269	2581
Maize	97253	44768	48750	100725	15712	15380	4828	4365
Sorghum	41105	1894	*	15682	1757	*	*	*
Finger millet	6250	264	*	1653	128	1218	*	*
Oats / 'Aja'	*	-	-	-	-	-	-	-
Rice	*	*	*	*	*	-	-	-
Pulses	28455	3907	795	52892	2249	3532	*	335
Horse / Faba beans	9430	1563	303	20265	1267	2398	*	*
Field Peas	5285	*	-	4213	*	-	-	-
Haricot beans	5642	573	85	32940	513	*	*	*
Chick peas	*	-	-	-	-	-	-	-
Lentils	*	-	-	-	-	-	-	-
Vetch / Grass peas	*	-	-	-	-	-	-	-
Soya beans	*	*	*	*	*	*	*	*
Fenugreek	190	47	*	4996	*	*	*	*
Gibto	*	*	-	*	*	-	-	-
Oilseeds	11244	230	*	6501	219	*	*	*
Neug	6326	*	*	1168	*	-	-	-
Linseed	1056	-	-	-	-	-	-	-
Groundnuts	*	*	-	*	*	-	-	-
Safflower	*	*	-	*	*	-	-	-
Sesame	*	-	-	-	-	-	-	-
Rapeseed	248	98	*	3970	96	*	*	*
Vegetables	5985	2503	*	76639	807	1693	*	*
Lettuce	*	*	-	*	*	-	-	-
Head cabbage	68	33	*	16551	32	*	*	*
Ethiopian cabbage	462	181	*	31497	163	*	*	*
Tomatoes	*	*	-	1093	*	-	-	-
Green peppers	285	132	*	37017	102	*	*	*
Red peppers	5147	2139	*	25956	490	*	*	*
Swiss chard	*	-	-	-	-	-	-	-
Root crops	2076	516	*	64697	474	*	*	*
Beetroot	132	57	*	19254	56	*	*	*
Carrot	10	*	-	1992	*	-	-	-
Onion	61	*	*	9935	15	*	*	*
Potatoes	*	*	-	*	*	-	-	-
Garlic	94	44	-	23748	44	-	-	-
Taro 'Godere'	697	268	*	36192	259	-	-	-
Sweet potatoes	943	99	*	7938	83	-	-	-
Other Temporary	2371	896	*	50901	785	*	*	*
Permanent crops	1649	200		24427	157			
Avocado	86	22		5736	22			
Bananas	1045	88		14325	86			
Guava	25	*		*	*			
Lemons	3	-		-	-			
Mangoes	367	*		5421	*			
Oranges	39	*		*	*			
Papayas	76	12		5012	12			
Pineapples	*	*		*	*			
Stimulant	68341	2980		41173	*			
Chat	4026	1176		26601	1066			
Coffee	64240	*		25148	*			
Hops / 'Gesho'	*	*		*	*			
Enset	1489	567		55450	567			
Sugar cane	294	38		5881	38			
Other permanent	97	8		7454	8			

(Table 1.4.3 cont'd.)

Illubabor

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	15204	2641	2239	104412	32985	52675	276994	320894	107662
Cereals	10457	1209	940	102153	31280	51047	265223	202856	85407
Teff	2863	*	*	10835	4934	3188	145755	67711	30180
Barley	-	-	-	*	*	*	33432	5209	5646
Wheat	1078	*	*	9989	1153	1821	54581	7262	8128
Maize	3820	349	207	90236	23879	44179	244060	73666	27963
Sorghum	*	*	*	*	*	*	154612	41105	9859
Finger millet	*	*	*	-	-	-	44265	6250	1633
Oats / 'Aja'	-	-	-	-	-	-	*	*	*
Rice	*	*	*	*	*	*	*	*	*
Pulses	1967	*	170	2643	*	*	173203	28356	17309
Horse / Faba beans	*	*	*	*	*	*	72345	9430	6726
Field Peas	-	-	-	-	-	-	31394	5285	3339
Haricot beans	*	*	*	1232	*	*	104824	5625	2772
Chick peas	-	-	-	-	-	-	*	*	*
Lentils	-	-	-	-	-	-	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	*	*	*
Soya beans	*	*	*	*	*	*	21337	*	*
Fenugreek	*	*	*	-	-	-	15759	190	57
Gibto	-	-	-	-	-	-	*	*	*
Oilseeds	-	-	-	*	*	*	59747	11244	*
Neug	-	-	-	*	*	*	29416	6326	1083
Linseed	-	-	-	-	-	-	8318	1056	217
Groundnuts	-	-	-	-	-	-	*	*	*
Safflower	-	-	-	-	-	-	2143	*	*
Sesame	-	-	-	-	-	-	6673	*	*
Rapeseed	-	-	-	-	-	-	10915	248	*
Vegetables	*	*	*	*	*	*	170803	5961	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	-	-	-	-	-	-	33423	63	-
Ethiopian cabbage	-	-	-	*	*	*	68063	462	-
Tomatoes	-	-	-	-	-	-	3019	*	-
Green peppers	*	*	*	*	*	*	79218	284	-
Red peppers	*	*	*	*	*	*	71044	5137	-
Swiss chard	-	-	-	-	-	-	*	*	-
Root crops	*	*	*	*	*	*	154778	2058	-
Beetroot	-	-	-	-	-	-	40317	126	-
Carrot	-	-	-	-	-	-	4803	8	-
Onion	*	*	*	-	-	-	22504	55	-
Potatoes	-	-	-	-	-	-	4994	*	-
Garlic	-	-	-	-	-	-	51074	94	-
Taro 'Godere'	-	-	-	*	*	*	77137	694	-
Sweet potatoes	*	*	*	-	-	-	40187	942	-
Other Temporary	-	-	-	*	*	*	120204	2301	-
Permanent crops							120655	1585	
Avocado							20108	73	
Bananas							83251	1019	
Guava							5981	25	
Lemons							1263	3	
Mangoes							44221	343	
Oranges							11212	39	
Papayas							22312	75	
Pineapples							*	*	
Stimulant							207450	64662	
Chat							98412	3940	
Coffee							173850	60647	
Hops / 'Gesho'							11554	*	
Enset							135485	1481	
Sugar cane							25574	292	
Other permanent							25936	97	

(Table 1.4.3 Cont'd.)

Illubabor

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	112231	28244	6894	101395	50503	*	*	104907	34571
Cereals	96352	24280	6815	100695	50325	*	*	102383	32840
Teff	2591	*	*	86860	42379	-	-	14025	6132
Barley	-	-	-	1492	*	-	-	*	*
Wheat	*	*	*	20506	2927	*	*	20776	2729
Maize	94763	23586	6418	2735	*	*	*	85741	23859
Sorghum	-	-	-	*	*	-	-	-	-
Finger millet	-	-	-	8913	*	-	-	*	*
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	*	*	*	*	*	*
Pulses	*	*	*	-	-	*	*	5798	*
Horse / Faba beans	-	-	-	-	-	-	-	2632	*
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	*	*	*	-	-	*	*	1786	*
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	*	*	*	-	-	*	*	*	*
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	*	-	*	*	*	-	-	*	*
Neug	*	-	*	-	-	-	-	*	*
Linseed	-	-	-	*	*	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	*	*
Vegetables	3187	*	-	*	*	*	*	3109	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	2228	*	-	-	-	-	-	*	*
Ethiopian cabbage	-	-	-	-	-	-	-	*	*
Tomatoes	*	*	-	-	-	*	*	-	-
Green peppers	*	*	-	*	*	-	-	*	*
Red peppers	*	*	-	*	*	*	*	*	*
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	5088	18	-	*	*	*	*	3082	*
Beetroot	3066	*	-	*	*	*	*	1606	*
Carrot	*	*	-	-	-	-	-	-	-
Onion	*	*	-	-	-	-	-	*	*
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	*	*	-	-	-	-	-	*	*
Taro 'Godere'	*	*	-	-	-	-	-	*	*
Sweet potatoes	*	*	-	-	-	*	*	-	-
Other Temporary	*	*	-	-	-	*	*	*	*
Permanent crops				*	*	*	*	*	*
Avocado				-	-	-	-	-	-
Bananas				-	-	*	*	*	*
Guava				*	*	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	*	*	-	-
Oranges				-	-	-	-	-	-
Papayas				-	-	*	*	-	-
Pineapples				-	-	-	-	-	-
Stimulant	18470	3679	-	*	*	*	*	5415	998
Chat				*	*	*	*	*	*
Coffee	18188	3593	-	-	-	*	*	4070	949
Hops / 'Gesho'				-	-	-	-	-	-
Enset				-	-	-	-		
Sugar cane				-	-	-	-	-	-
Other permanent				-	-	-	-	-	-

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

Jimma

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	661412	302590	228610	441058	54697	295526	144367	100669
Cereals	430862	254421	211420	233862	21612	287828	133834	90824
Teff	162423	120014	76409	11866	902	231535	88579	56017
Barley	16521	6044	4449	13576	*	43034	*	4132
Wheat	40226	21862	17649	4254	*	85140	17751	13613
Maize	144363	103762	111926	209251	18954	85426	21445	16599
Sorghum	65202	1698	*	18721	1033	*	*	*
Finger millet	948	*	*	*	*	*	*	*
Oats / 'Aja'	1169	503	309	*	*	*	*	*
Rice	*	*	-	*	*	-	-	-
Pulses	48926	16054	10092	121530	*	53488	8219	7289
Horse / Faba beans	29881	9739	*	48438	*	32497	4527	*
Field Peas	11846	3498	*	7849	*	*	*	*
Haricot beans	4906	2351	*	76360	676	9096	*	*
Chick peas	*	*	-	*	*	-	-	-
Lentils	926	*	*	*	*	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	*	*	*	*	*	*	*	*
Fenugreek	*	*	-	*	*	-	-	-
Gibto	*	-	-	-	-	-	-	-
Oilseeds	29623	2078	1590	36416	579	23135	801	445
Neug	14052	*	*	*	*	*	*	*
Linseed	6200	917	459	3925	*	20798	737	362
Groundnuts	*	*	-	*	*	-	-	-
Safflower	*	*	*	-	-	-	-	-
Sesame	*	*	*	-	-	*	*	*
Rapeseed	1505	1078	*	32096	482	*	*	*
Vegetables	4974	3584	*	342223	2057	17647	413	613
Lettuce	*	*	-	*	*	-	-	-
Head cabbage	168	107	*	41613	93	*	*	*
Ethiopian cabbage	1775	1492	*	300089	1425	*	*	*
Tomatoes	*	*	-	6050	*	-	-	-
Green peppers	574	343	10	142732	336	*	*	*
Red peppers	2344	1602	*	19736	162	14350	376	564
Swiss chard	-	-	-	-	-	-	-	-
Root crops	5714	2997	*	248046	2825	*	*	*
Beetroot	86	27	*	28199	26	-	-	-
Carrot	*	*	*	4454	*	*	*	*
Onion	29	21	*	7473	15	-	-	-
Potatoes	*	*	*	14759	*	*	*	*
Garlic	361	229	*	60222	229	-	-	-
Taro 'Godere'	3827	2226	*	192756	2193	*	*	*
Sweet potatoes	279	144	*	22947	127	*	*	*
Other Temporary	2168	1106	130	145348	1035	*	*	*
Permanent crops	5526	1911		188510	1740			
Avocado	1630	557		83366	525			
Bananas	2622	977		117007	904			
Guava	149	61		19697	40			
Lemons	*	*		*	*			
Mangoes	726	201		46100	166			
Oranges	219	69		18125	58			
Papayas	115	40		30708	40			
Pineapples	*	*		*	*			
Stimulant	114972	8345		255618	6781			
Chat	11381	4323		172873	3602			
Coffee	103363	3960		182605	3140			
Hops / 'Gesho'	228	*		*	*			
Enset	15732	11553		355954	11434			
Sugar cane	1012	415		68665	415			
Other permanent	*	126		49806	122			

(Table 1.4.4 cont'd.)

Jimma

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	19016	*	2416	224857	98374	125525	594849	586127	270009
Cereals	14419	*	*	220963	94281	118388	550129	361541	212253
Teff	13276	*	*	72639	26130	18443	418490	162209	74245
Barley	*	*	*	*	*	*	145059	16521	23812
Wheat	*	*	*	16341	3892	3917	154873	39115	57512
Maize	*	*	*	162054	63224	95220	387767	76365	36426
Sorghum	-	-	-	*	*	*	271617	65202	18266
Finger millet	-	-	-	*	*	*	10400	948	*
Oats / 'Aja'	-	-	-	*	*	*	21524	1169	1406
Rice	-	-	-	-	-	-	*	*	*
Pulses	*	*	*	*	*	*	313656	48775	47499
Horse / Faba beans	*	*	*	*	*	*	184012	29881	30268
Field Peas	-	-	-	-	-	-	64245	11846	9743
Haricot beans	*	*	*	*	*	*	155448	4903	2471
Chick peas	-	-	-	-	-	-	*	*	*
Lentils	-	-	-	-	-	-	31892	926	500
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	*	*	*	3899	7	*
Fenugreek	-	-	-	-	-	-	*	*	*
Gibto	-	-	-	-	-	-	*	*	-
Oilseeds	*	*	*	12509	*	*	177345	29623	*
Neug	-	-	-	-	-	-	41956	14052	1600
Linseed	*	*	*	*	*	*	103326	6200	1555
Groundnuts	-	-	-	-	-	-	*	*	*
Safflower	*	*	*	-	-	-	*	*	-
Sesame	-	-	-	-	-	-	*	*	*
Rapeseed	*	*	*	*	*	*	52194	1505	*
Vegetables	*	*	*	13078	*	*	469179	4970	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	*	*	*	*	*	*	69555	165	-
Ethiopian cabbage	*	*	*	*	*	*	375641	1775	-
Tomatoes	-	-	-	-	-	-	10666	*	-
Green peppers	*	*	*	*	*	*	233463	574	-
Red peppers	*	*	*	*	*	*	55402	2344	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	*	*	*	*	363432	5705	-
Beetroot	*	*	*	*	*	*	49261	85	-
Carrot	-	-	-	-	-	-	7277	*	-
Onion	*	*	*	*	*	*	17681	29	-
Potatoes	-	-	-	-	-	-	24475	*	-
Garlic	*	*	*	-	-	-	105417	361	-
Taro 'Godere'	-	-	-	*	*	*	271856	3820	-
Sweet potatoes	-	-	-	*	*	*	43564	279	-
Other Temporary	*	*	*	2756	*	*	237803	2167	-
Permanent crops							337240	5296	
Avocado							157647	1399	
Bananas							242788	2622	
Guava							61320	149	
Lemons							6869	*	
Mangoes							125354	726	
Oranges							59038	219	
Papayas							67868	115	
Pineapples							6842	*	
Stimulant							504216	110950	
Chat							362165	11380	
Coffee							414071	99342	
Hops / 'Gesho'							32870	228	
Enset							483721	15708	
Sugar cane							136674	1012	
Other permanent							118683	380	

(Table 1.4.4 Cont'd.)

Jimma

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	200231	75285	18492	394378	194943	12172	811	220585	94962
Cereals	176534	69322	18348	385806	191117	*	*	205735	88409
Teff	*	*	*	354847	137271	*	*	34510	14999
Barley	-	-	-	60178	9120	*	*	*	*
Wheat	*	*	*	104931	32132	-	-	18279	2589
Maize	171550	67997	16856	8752	2239	*	*	186036	70182
Sorghum	-	-	-	29729	8917	-	-	*	*
Finger millet	-	-	-	*	*	-	-	*	*
Oats / 'Aja'	-	-	-	14796	981	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	*	*	*	-	-	35769	3491
Horse / Faba beans	-	-	-	2755	*	-	-	15493	*
Field Peas	-	-	-	-	-	-	-	*	*
Haricot beans	*	*	-	*	*	-	-	*	*
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	*	*	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	*	*	*	-	-	-	-	*	*
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	25880	1243	-	-	9773	*
Neug	-	-	-	*	*	-	-	-	-
Linseed	-	-	-	25370	1047	-	-	*	*
Groundnuts	-	-	-	*	*	-	-	*	*
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	*	*
Vegetables	*	*	-	*	*	*	*	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	-	-	-	-	*	*
Ethiopian cabbage	*	*	-	*	*	*	*	*	*
Tomatoes	-	-	-	-	-	*	*	-	-
Green peppers	-	-	-	*	*	*	*	*	*
Red peppers	-	-	-	*	*	*	*	*	*
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	3868	9	-	-	-	*	*	3870	*
Beetroot	*	*	-	-	-	-	-	-	-
Carrot	*	*	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	-	*	*
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	*	*
Taro 'Godere'	*	*	-	-	-	*	*	*	*
Sweet potatoes	-	-	-	-	-	-	-	*	*
Other Temporary	*	*	-	*	*	*	*	3213	55
Permanent crops				*	*	*	*	3783	*
Avocado				-	-	*	*	*	*
Bananas				-	-	*	*	*	*
Guava				-	-	*	*	-	-
Lemons				-	-	-	-	-	-
Mangoes				*	*	*	*	*	*
Oranges				-	-	*	*	-	-
Papayas				-	-	-	-	-	-
Pineapples				-	-	-	-	-	-
Stimulant	31392	4022	-	6811	*	8623	*	19179	*
Chat				*	*	*	*	6566	*
Coffee	30838	4021	-	6336	*	4216	*	12613	*
Hops / 'Gesho'				-	-	*	*	-	-
Enset				*	*	-	-		
Sugar cane				-	-	*	*	-	-
Other permanent				-	-	-	-	-	-

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

West Shewa

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	630162	378755	368982	331790	56243	125162	74375	59928
Cereals	480553	337533	338892	201124	40522	104740	63702	49862
Teff	184067	144734	121534	21288	5050	47561	32891	17994
Barley	62582	49560	42135	49439	7615	43105	17819	18514
Wheat	57573	49200	63839	16415	2789	35905	7798	8106
Maize	102582	87343	111055	154506	18744	23480	*	*
Sorghum	71716	*	*	14122	*	*	*	*
Finger millet	*	*	*	-	-	*	*	*
Oats / 'Aja'	778	*	*	*	*	*	*	*
Rice	*	*	-	*	*	-	-	-
Pulses	64650	11840	6169	68574	5284	25942	4434	3817
Horse / Faba beans	27788	7668	3569	48874	3509	20444	3114	2433
Field Peas	8886	2819	2205	10839	972	6121	1067	1248
Haricot beans	1510	*	*	10665	*	*	*	*
Chick peas	7694	*	-	*	*	-	-	-
Lentils	2634	*	*	*	*	*	*	*
Vetch / Grass peas	15472	*	-	*	*	-	-	-
Soya beans	*	-	-	-	-	-	-	-
Fenugreek	*	193	57	*	*	*	*	*
Gibto	-	-	-	-	-	-	-	-
Oilseeds	45294	*	*	24595	475	*	*	*
Neug	33170	-	-	-	-	-	-	-
Linseed	8448	*	-	*	*	-	-	-
Groundnuts	*	-	-	-	-	-	-	-
Safflower	*	*	-	*	*	-	-	-
Sesame	*	*	*	-	-	-	-	-
Rapeseed	1838	776	*	23239	472	*	*	*
Vegetables	16685	12016	*	153374	2409	6162	*	151
Lettuce	*	*	-	*	*	-	-	-
Head cabbage	147	143	-	23845	143	-	-	-
Ethiopian cabbage	524	431	*	85609	423	*	*	*
Tomatoes	*	*	*	*	*	-	-	-
Green peppers	*	*	*	52475	*	*	*	*
Red peppers	*	*	*	35971	*	*	*	*
Swiss chard	*	*	*	5084	6	*	*	*
Root crops	14186	10892	9033	169156	2812	43308	5811	6004
Beetroot	124	101	*	40044	101	*	*	*
Carrot	*	*	*	12112	*	-	-	-
Onion	771	496	*	47669	237	*	*	*
Potatoes	9937	9508	8373	46075	1855	36730	*	5839
Garlic	*	749	177	122128	583	9704	63	69
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	-	*	*	-	-	-
Other Temporary	1210	349	*	67593	312	*	*	*
Permanent crops	291	*		12948	*			
Avocado	3	*		*	*			
Bananas	159	27		*	*			
Guava	*	*		*	*			
Lemons	-	-		-	-			
Mangoes	*	*		*	*			
Oranges	*	*		*	*			
Papayas	*	*		*	*			
Pineapples	-	-		-	-			
Stimulant	1203	690		56554	683			
Chat	*	*		7450	*			
Coffee	*	*		9782	*			
Hops / 'Gesho'	621	450		49966	450			
Enset	3912	3593		119959	3568			
Sugar cane	*	87		6853	55			
Other permanent	*	*		16694	*			

(Table 1.4.5 cont'd.)

West Shewa

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	43567	10775	10661	278246	237361	298394	488970	566247	495927
Cereals	22343	8433	*	263679	224876	281028	439179	416792	394555
Teff	13179	5947	3840	142009	100846	99701	265667	182901	99443
Barley	*	*	*	50629	24043	23538	166248	62582	136425
Wheat	9077	*	*	100809	36989	52194	180991	53310	119150
Maize	*	*	*	100603	62964	105528	245867	44251	18618
Sorghum	*	*	*	*	*	*	142497	71716	19377
Finger millet	-	-	-	-	-	-	*	*	*
Oats / 'Aja'	-	-	-	*	*	*	13374	778	1101
Rice	-	-	-	-	-	-	*	*	*
Pulses	2789	*	*	16478	*	2230	243071	64642	88880
Horse / Faba beans	-	-	-	11010	*	*	171712	27788	37500
Field Peas	*	*	*	4162	*	*	57428	8886	15998
Haricot beans	*	*	*	*	*	*	24096	1510	869
Chick peas	-	-	-	-	-	-	28255	7694	*
Lentils	*	*	*	3467	*	*	24429	2634	1954
Vetch / Grass peas	-	-	-	-	-	-	52516	15472	22731
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	*	*	*	*	*	*	24774	*	323
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	5999	*	*	122134	45199	12492
Neug	-	-	-	-	-	-	70229	33170	5311
Linseed	-	-	-	-	-	-	29408	8376	5190
Groundnuts	-	-	-	-	-	-	*	*	-
Safflower	-	-	-	-	-	-	2782	*	*
Sesame	-	-	-	*	*	*	*	*	*
Rapeseed	-	-	-	*	*	*	40163	1815	*
Vegetables	19773	*	*	42303	*	*	259261	16685	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	-	-	-	-	-	-	30108	147	-
Ethiopian cabbage	*	*	*	-	-	-	104668	524	-
Tomatoes	-	-	-	*	*	*	6965	*	-
Green peppers	*	*	*	*	*	*	79841	*	-
Red peppers	*	*	*	38948	*	*	105844	*	-
Swiss chard	-	-	-	*	*	*	7465	*	-
Root crops	6880	*	*	23019	2086	2839	247193	14182	-
Beetroot	-	-	-	-	-	-	54223	121	-
Carrot	-	-	-	*	*	*	18165	*	-
Onion	*	*	*	*	*	*	71559	770	-
Potatoes	*	*	*	15435	1859	2411	108481	9937	-
Garlic	3876	*	*	5848	*	54	172440	*	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	11102	*	-
Other Temporary	*	*	*	*	*	*	99039	1197	-
Permanent crops							34087	291	
Avocado							*	3	
Bananas							20438	159	
Guava							*	*	
Lemons							-	-	
Mangoes							12709	*	
Oranges							*	*	
Papayas							*	*	
Pineapples							-	-	
Stimulant							93781	1200	
Chat							13013	*	
Coffee							21640	*	
Hops / 'Gesho'							79576	619	
Enset							149597	3912	
Sugar cane							25744	*	
Other permanent							23697	*	

(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
All	111122	63915	20137	328321	274339	36277	6264	129754	82066
Cereals	103131	63761	20090	314491	262606	*	*	122444	79525
Teff	3359	1166	382	209082	135856	*	*	18378	11395
Barley	-	-	-	87839	35748	*	*	*	*
Wheat	11740	4263	7206	144895	46528	*	*	19210	*
Maize	91613	58331	12502	30249	*	*	*	90847	54443
Sorghum	-	-	-	24334	*	*	*	*	*
Finger millet	-	-	-	-	-	-	-	*	*
Oats / 'Aja'	-	-	-	6360	515	*	*	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	*	17770	2600	*	*	6151	*
Horse / Faba beans	-	-	-	13766	2267	-	-	*	*
Field Peas	-	-	-	2337	277	-	-	*	*
Haricot beans	-	-	-	*	*	*	*	*	*
Chick peas	-	-	-	-	-	-	-	*	*
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	*	*	-	-	*	*
Soya beans	*	*	*	-	-	*	*	-	-
Fenugreek	-	-	-	*	*	*	*	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	*	*	*	*	*	*	*	4500	384
Neug	-	-	-	-	-	-	-	*	*
Linseed	*	*	*	*	*	-	-	*	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	*	*	-	-	-	*	*	*	*
Vegetables	*	*	-	7575	*	16918	*	3514	*
Lettuce	-	-	-	-	-	*	*	-	-
Head cabbage	*	*	-	-	-	*	*	-	-
Ethiopian cabbage	-	-	-	-	-	2286	*	-	-
Tomatoes	-	-	-	*	*	*	*	*	*
Green peppers	-	-	-	*	*	5909	*	*	*
Red peppers	-	-	-	4210	*	*	*	*	*
Swiss chard	*	*	-	*	*	-	-	-	-
Root crops	*	*	-	65978	7969	20478	*	*	*
Beetroot	*	*	-	*	*	5096	*	*	*
Carrot	*	*	-	-	-	*	*	*	*
Onion	*	*	-	*	*	15134	*	*	*
Potatoes	-	-	-	52797	7588	*	*	*	*
Garlic	-	-	-	17676	205	6407	*	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	-	-	-	*	*	-	-
Other Temporary	*	*	-	3361	*	*	*	4003	*
Permanent crops				-	-	4491	*	-	-
Avocado				-	-	-	-	-	-
Bananas				-	-	4011	*	-	-
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	-	-	-	-
Oranges				-	-	*	*	-	-
Papayas				-	-	-	-	-	-
Pineapples				-	-	-	-	-	-
Stimulant	*	*	-	*	*	2463	*	*	*
Chat				-	-	-	-	-	-
Coffee	*	*	-	*	*	2463	*	*	*
Hops / 'Gesho'				*	*	*	*	*	*
Enset				*	*	*	*		
Sugar cane				-	-	10548	*	*	*
Other permanent				-	-	*	*	*	*

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

North Shewa

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	424700	236979	218402	240370	45313	18074	9648	*
Cereals	318102	217810	216069	151318	28627	15753	*	*
Teff	142390	129624	124457	20622	5183	9283	*	*
Barley	68762	20809	13045	46768	9381	*	*	*
Wheat	70978	56918	77078	26619	5166	*	*	*
Maize	7635	6590	*	85130	5539	-	-	-
Sorghum	27240	3322	*	10250	3179	-	-	-
Finger millet	*	*	-	*	*	-	-	-
Oats / 'Aja'	974	*	*	2609	94	-	-	-
Rice	*	*	-	*	*	-	-	-
Pulses	93489	15798	1443	74178	14150	*	*	*
Horse / Faba beans	44521	12688	*	70375	12050	*	*	*
Field Peas	6201	628	*	4838	563	*	*	*
Haricot beans	*	*	-	2226	*	-	-	-
Chick peas	10599	*	*	*	*	-	-	-
Lentils	9458	*	*	1718	*	*	*	*
Vetch / Grass peas	19325	*	-	2561	*	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	*	*	*	*	*	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	10664	1809	447	31466	1359	*	*	*
Neug	4250	*	*	*	*	-	-	-
Linseed	4746	*	*	*	*	-	-	-
Groundnuts	-	-	-	-	-	-	-	-
Safflower	*	*	*	*	*	*	*	*
Sesame	*	*	*	-	-	-	-	-
Rapeseed	916	583	*	26714	537	-	-	-
Vegetables	670	323	*	83840	208	-	-	-
Lettuce	*	*	-	*	*	-	-	-
Head cabbage	1	*	-	1880	*	-	-	-
Ethiopian cabbage	187	148	*	60632	139	-	-	-
Tomatoes	*	*	*	*	*	-	-	-
Green peppers	*	*	*	13076	*	-	-	-
Red peppers	*	*	*	*	*	-	-	-
Swiss chard	3	3	-	*	3	-	-	-
Root crops	1097	898	*	94730	644	*	*	*
Beetroot	27	27	*	*	16	-	-	-
Carrot	*	*	-	*	*	-	-	-
Onion	*	*	*	9958	*	-	-	-
Potatoes	*	*	*	16349	*	*	*	*
Garlic	417	337	94	80843	265	*	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	-	*	*	-	-	-
Other Temporary	149	126	*	35841	110	-	-	-
Permanent crops	*	*		4661	*			
Avocado	-	-		-	-			
Bananas	*	*		*	*			
Guava	-	-		-	-			
Lemons	*	*		*	*			
Mangoes	-	-		-	-			
Oranges	*	*		*	*			
Papayas	*	*		*	*			
Pineapples	-	-		-	-			
Stimulant	315	165		40889	164			
Chat	*	*		*	*			
Coffee	6	*		3521	*			
Hops / 'Gesho'	306	160		40472	160			
Enset	*	*		4200	*			
Sugar cane	*	*		*	*			
Other permanent	*	*		10047	*			

(Table 1.4.6 cont'd.)

North Shewa

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	51390	24433	20516	166890	157585	188671	319976	422054	439439
Cereals	48330	23897	20041	165748	156156	186979	301140	315512	300885
Teff	39092	18577	15918	135036	100985	103686	212678	142314	67956
Barley	3613	*	574	25272	9373	11608	124082	68155	96625
Wheat	16858	4217	3353	90239	44477	70391	162250	69071	122790
Maize	*	*	*	3217	*	*	103778	7635	3953
Sorghum	-	-	-	*	*	*	53253	27240	7651
Finger millet	-	-	-	-	-	-	*	*	*
Oats / 'Aja'	*	*	*	*	*	*	10248	974	1686
Rice	-	-	-	-	-	-	*	*	-
Pulses	*	*	*	5005	*	1309	213989	93489	134012
Horse / Faba beans	*	*	*	*	*	*	168324	44521	73353
Field Peas	-	-	-	*	*	*	37498	6201	9605
Haricot beans	-	-	-	-	-	-	*	*	*
Chick peas	-	-	-	*	*	*	34909	10599	13813
Lentils	*	*	*	*	*	*	48221	9458	10893
Vetch / Grass peas	-	-	-	-	-	-	70649	19325	22913
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	*	*	*	*	*	*	6743	*	150
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	3223	*	286	3800	*	*	79316	10664	4541
Neug	*	*	*	*	*	*	26243	4250	806
Linseed	-	-	-	*	*	*	21128	4746	2312
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	*	*	*	*	*	*	7461	*	*
Sesame	*	*	*	*	*	*	*	*	*
Rapeseed	*	*	*	*	*	*	36717	916	1347
Vegetables	2528	*	*	*	*	*	118745	669	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	-	-	-	-	-	-	2299	1	-
Ethiopian cabbage	*	*	*	*	*	*	80986	187	-
Tomatoes	-	-	-	*	*	*	6223	*	-
Green peppers	*	*	*	-	-	-	22689	*	-
Red peppers	*	*	*	*	*	*	12370	*	-
Swiss chard	-	-	-	-	-	-	6697	3	-
Root crops	5069	29	*	*	*	*	133676	1042	-
Beetroot	-	-	-	*	*	*	8960	*	-
Carrot	-	-	-	-	-	-	3820	*	-
Onion	*	*	*	*	*	*	14717	*	-
Potatoes	*	*	*	-	-	-	19364	*	-
Garlic	*	*	*	3688	*	*	119927	417	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	*	*	-
Other Temporary	*	*	*	*	*	*	43214	149	-
Permanent crops							*	*	
Avocado							-	-	
Bananas							*	*	
Guava							-	-	
Lemons							*	*	
Mangoes							-	-	
Oranges							*	*	
Papayas							*	*	
Pineapples							-	-	
Stimulant							57924	314	
Chat							5154	*	
Coffee							4224	6	
Hops / 'Gesho'							57193	306	
Enset							5351	*	
Sugar cane							*	*	
Other permanent							13396	*	

(Table 1.4.6 Cont'd.)

North Shewa

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	12942	2646	4871	146715	112084	17213	932	80627	51395
Cereals	8877	2590	4871	140068	110536	2345	*	76906	49452
Teff	*	*	*	97594	68114	*	*	50300	28007
Barley	*	*	*	34807	13308	*	*	17741	7571
Wheat	6731	1907	3683	60983	26082	-	-	33383	13827
Maize	*	*	-	*	*	*	*	*	*
Sorghum	-	-	-	*	*	-	-	-	-
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	*	*	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	-	6057	1311	*	*	6810	1594
Horse / Faba beans	*	*	-	*	*	*	*	4562	*
Field Peas	-	-	-	-	-	-	-	*	*
Haricot beans	-	-	-	-	-	-	-	-	-
Chick peas	-	-	-	*	*	-	-	*	*
Lentils	-	-	-	*	*	*	-	*	*
Vetch / Grass peas	-	-	-	*	*	-	-	*	*
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	*	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	*	*	-	-	2658	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	*	*	-	-	*	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	*	*	-	-	-	-
Sesame	-	-	-	-	-	-	-	*	*
Rapeseed	-	-	-	*	*	-	-	*	*
Vegetables	*	*	-	*	*	6669	*	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	*	*	-	*	*	2683	*	*	*
Tomatoes	-	-	-	*	*	*	*	-	-
Green peppers	-	-	-	*	*	*	*	-	-
Red peppers	*	*	-	-	-	*	*	*	*
Swiss chard	*	*	-	-	-	-	-	-	-
Root crops	*	*	-	3941	*	*	*	8446	*
Beetroot	*	*	-	*	*	*	*	*	*
Carrot	*	*	-	*	*	*	*	-	-
Onion	-	-	-	-	-	*	*	1463	*
Potatoes	*	*	-	*	*	-	-	*	*
Garlic	-	-	-	1398	*	*	*	6170	*
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other Temporary	-	-	-	-	-	*	*	-	-
Permanent crops				-	-	*	*	-	-
Avocado				-	-	-	-	-	-
Bananas				-	-	*	*	-	-
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	-	-	-	-
Oranges				-	-	*	*	-	-
Papayas				-	-	-	-	-	-
Pineapples				-	-	-	-	-	-
Stimulant	-	-	-	*	*	*	*	-	-
Chat				*	*	*	*	-	-
Coffee	-	-	-	-	-	*	*	-	-
Hops / 'Gesho'				*	*	*	*	*	*
Enset				-	-	-	-		
Sugar cane				-	-	*	*	-	-
Other permanent				-	-	*	*	-	-

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

East Shewa

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	471994	333358	300479	143611	43414	114026	113125	69096
Cereals	359468	299160	266737	111968	36805	96335	96318	58761
Teff	182560	166698	162700	5254	1938	66474	46452	30168
Barley	12455	7250	6028	6489	1044	11632	2626	1609
Wheat	68706	62954	78734	6751	1558	40184	23352	15372
Maize	85805	59749	18286	105082	31196	25790	22825	11257
Sorghum	9059	1836	356	7030	772	4279	*	356
Finger millet	*	*	*	*	*	-	-	-
Oats / 'Aja'	*	*	*	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
Pulses	103590	27216	13920	34468	5059	35152	15557	8819
Horse / Faba beans	12252	2266	347	16082	1403	*	*	*
Field Peas	5746	*	*	3069	*	*	*	*
Haricot beans	46170	18647	8976	19448	3320	23614	12472	7203
Chick peas	21901	*	*	*	*	-	-	-
Lentils	12348	4555	3883	*	*	9446	*	*
Vetch / Grass peas	4823	*	*	*	*	*	*	*
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	351	*	*	*	*	*	*	*
Gibto	-	-	-	-	-	-	-	-
Oilseeds	563	*	64	5977	*	*	*	*
Neug	*	-	-	-	-	-	-	-
Linseed	225	*	*	-	-	*	*	*
Groundnuts	-	-	-	-	-	-	-	-
Safflower	*	*	-	*	*	-	-	-
Sesame	-	-	-	-	-	-	-	-
Rapeseed	*	*	*	5710	*	*	*	*
Vegetables	4081	3567	*	35762	*	6832	633	623
Lettuce	*	*	-	*	*	-	-	-
Head cabbage	*	*	*	*	*	*	*	*
Ethiopian cabbage	729	555	516	25413	*	4168	*	*
Tomatoes	*	*	*	3806	*	*	*	*
Green peppers	*	*	*	9736	39	*	*	*
Red peppers	*	*	*	*	*	*	*	*
Swiss chard	*	*	-	*	*	-	-	-
Root crops	*	*	5617	16929	91	4586	*	*
Beetroot	*	*	*	*	*	-	-	-
Carrot	*	*	-	*	*	-	-	-
Onion	*	*	5536	3969	*	*	*	*
Potatoes	*	16	*	2655	*	*	-	*
Garlic	131	95	*	12520	54	*	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	*	-	-	-	-	-
Other Temporary	292	175	*	10795	88	*	*	*
Permanent crops	128	*		5582	*			
Avocado	*	*		*	*			
Bananas	*	*		*	*			
Guava	*	*		*	*			
Lemons	*	*		*	*			
Mangoes	*	*		*	*			
Oranges	*	-		-	-			
Papayas	*	*		3012	*			
Pineapples	-	-		-	-			
Stimulant	*	206		13736	191			
Chat	*	*		*	*			
Coffee	*	*		*	*			
Hops / 'Gesho'	344	198		12426	183			
Enset	-	-		-	-			
Sugar cane	*	*		*	*			
Other permanent	*	*		*	*			

(Table 1.4.7 cont'd.)

East Shewa

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	29477	10188	8225	153154	166630	223158	300995	444704	444385
Cereals	20287	7306	6184	145833	158731	201792	283881	334682	306166
Teff	5447	2102	987	129047	116206	131545	215336	180111	98093
Barley	2921	430	345	20068	3150	4074	63379	12455	29685
Wheat	2760	552	418	83954	37492	62944	139828	66468	138473
Maize	11110	*	*	8608	1605	2744	182039	65803	37319
Sorghum	-	-	-	-	-	-	36518	9059	2192
Finger millet	*	*	*	*	*	*	*	*	*
Oats / 'Aja'	-	-	-	*	*	*	*	*	*
Rice	-	-	-	-	-	-	-	-	-
Pulses	6688	*	*	15980	4336	3924	203024	101759	138063
Horse / Faba beans	*	*	*	1328	*	*	74340	12216	20676
Field Peas	*	-	*	-	-	-	30593	5746	6993
Haricot beans	*	*	*	3557	*	888	126404	45819	54657
Chick peas	-	-	-	1455	*	*	44073	21162	40632
Lentils	*	*	*	10917	2236	*	54649	11642	10270
Vetch / Grass peas	-	-	-	*	*	*	29752	4823	4565
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	*	*	*	5920	351	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	*	*	*	15205	563	157
Neug	-	-	-	-	-	-	*	*	*
Linseed	-	-	-	*	*	*	6165	225	112
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	*	*	*
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	*	*	*	8083	*	*
Vegetables	3284	*	*	4986	*	*	65984	3686	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	*	*	*	*	*	*	2988	*	-
Ethiopian cabbage	*	*	*	*	*	*	46763	729	-
Tomatoes	*	*	*	*	*	*	9299	*	-
Green peppers	*	*	*	*	*	*	17881	*	-
Red peppers	*	*	*	*	*	*	*	*	-
Swiss chard	-	-	-	-	-	-	*	*	-
Root crops	*	*	*	10631	*	*	41903	*	-
Beetroot	-	-	-	*	*	*	1293	*	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	*	*	*	8787	*	*	18413	*	-
Potatoes	-	-	-	*	*	*	4671	*	-
Garlic	*	*	*	*	*	*	26127	131	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	*	-	-	-	*	*	-
Other Temporary	-	-	-	*	*	*	19094	292	-
Permanent crops							10569	117	
Avocado							*	*	
Bananas							2281	*	
Guava							*	*	
Lemons							*	*	
Mangoes							*	*	
Oranges							*	*	
Papayas							4073	6	
Pineapples							-	-	
Stimulant							31372	*	
Chat							*	*	
Coffee							4705	*	
Hops / 'Gesho'							25616	344	
Enset							-	-	
Sugar cane							*	*	
Other permanent							*	*	

(Table 1.4.7 Cont'd.)

East Shewa

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	39604	27290	12294	230578	285895	26165	9554	79256	70549
Cereals	34122	24787	10429	208238	252567	*	*	71291	58012
Teff	*	2449	1266	179306	158074	-	-	11074	5155
Barley	-	-	-	42924	9493	-	-	*	*
Wheat	4982	2237	4351	123423	61599	-	-	18220	7128
Maize	27114	*	4813	41969	21978	*	*	56960	44136
Sorghum	-	-	-	*	*	*	*	*	*
Finger millet	*	*	-	*	*	*	*	*	*
Oats / 'Aja'	-	-	-	*	*	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	7091	1831	*	67547	28574	*	*	29245	8765
Horse / Faba beans	*	*	*	11036	1993	-	-	*	*
Field Peas	-	-	-	13669	2571	-	-	*	*
Haricot beans	*	*	*	4352	858	*	*	22413	7016
Chick peas	*	*	*	24457	12568	-	-	*	*
Lentils	*	*	*	40004	9596	-	-	*	*
Vetch / Grass peas	-	-	-	7295	855	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	*	*	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	*	*	-	-	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	*	-	-	-	*	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	*	*	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	*	*	-	-	*	*
Vegetables	1619	*	-	8923	2170	5545	*	9760	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	*	*	*	*	-	-
Ethiopian cabbage	-	-	-	2081	*	3233	*	*	*
Tomatoes	*	*	-	3567	*	*	*	*	*
Green peppers	*	*	-	*	*	*	*	*	*
Red peppers	*	*	-	*	*	-	-	*	*
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	-	12542	*	8341	*	*	*
Beetroot	-	-	-	-	-	*	*	-	-
Carrot	*	*	-	-	-	-	-	-	-
Onion	*	*	-	10181	*	7644	*	*	*
Potatoes	-	-	-	*	*	-	-	*	*
Garlic	-	-	-	3653	*	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	*	*	-	-
Other Temporary	-	-	-	*	*	*	*	*	*
Permanent crops				*	*	*	*	*	*
Avocado				-	-	*	*	-	-
Bananas				-	-	*	*	-	-
Guava				-	-	*	*	-	-
Lemons				*	*	*	*	-	-
Mangoes				-	-	*	*	*	*
Oranges				*	*	*	*	-	-
Papayas				-	-	*	*	*	*
Pineapples				-	-	-	-	-	-
Stimulant	-	-	-	*	*	*	*	*	*
Chat				*	*	*	*	-	-
Coffee	-	-	-	*	*	*	*	*	*
Hops / 'Gesho'				*	*	*	*	*	*
Enset				-	-	-	-		
Sugar cane				*	*	*	*	*	*
Other permanent				*	*	*	*	*	*

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

Arsi

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	626953	496991	332566	342436	59943	413386	386368	282261
Cereals	496224	411327	295247	207471	36994	396652	329862	251706
Teff	81785	62703	39438	14838	2524	119655	45822	25963
Barley	93757	85202	62249	35206	4424	183066	79705	60937
Wheat	209219	199929	173054	22208	4771	285335	177634	151448
Maize	77682	46369	14583	160052	19446	100584	22105	*
Sorghum	31816	15631	*	27632	5558	20986	3539	1014
Finger millet	*	*	*	-	-	*	*	*
Oats / 'Aja'	1943	1470	848	5879	270	10297	*	669
Rice	-	-	-	-	-	-	-	-
Pulses	74958	53833	24788	85543	7101	176592	44206	22789
Horse / Faba beans	38158	32363	15627	55598	4845	129650	25687	14283
Field Peas	15525	10156	3963	11492	954	33208	8869	3513
Haricot beans	15464	*	*	17649	630	26411	*	*
Chick peas	*	-	-	-	-	-	-	-
Lentils	1727	*	290	*	*	12335	*	*
Vetch / Grass peas	1372	*	*	5539	*	*	*	*
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	2234	1396	349	7325	*	11067	1065	340
Gibto	-	-	-	-	-	-	-	-
Oilseeds	24058	8453	3201	19741	1920	33993	6170	2953
Neug	*	*	*	*	*	*	*	*
Linseed	21384	7167	2622	4896	*	16953	5386	2486
Groundnuts	*	*	*	*	*	*	*	*
Safflower	*	*	*	*	*	*	*	*
Sesame	*	*	*	*	*	*	*	*
Rapeseed	937	832	481	9958	137	15105	621	377
Vegetables	3479	2708	*	125116	1415	16690	*	*
Lettuce	*	*	-	*	*	-	-	-
Head cabbage	214	177	*	20683	145	*	*	*
Ethiopian cabbage	1083	884	47	89700	812	4341	*	41
Tomatoes	*	*	*	4492	*	*	*	*
Green peppers	204	165	*	25861	109	*	*	*
Red peppers	*	*	*	8092	*	*	*	*
Swiss chard	-	-	-	-	-	-	-	-
Root crops	8983	8250	6107	109785	3115	49165	3147	2890
Beetroot	264	183	*	22971	114	1899	*	*
Carrot	*	*	*	15286	*	3296	*	*
Onion	3046	3001	3125	13393	*	14148	*	*
Potatoes	3477	3280	*	24338	1393	21355	1215	1146
Garlic	1602	1227	446	68779	794	13931	333	321
Taro 'Godere'	*	*	-	*	*	-	-	-
Sweet potatoes	*	*	*	*	*	*	*	*
Other Temporary	5031	2726	*	103563	1134	16976	*	*
Permanent crops	549	*		19643	*			
Avocado	-	-		-	-			
Bananas	*	*		11957	*			
Guava	*	*		*	*			
Lemons	*	*		*	*			
Mangoes	*	*		*	*			
Oranges	*	*		*	*			
Papayas	*	*		3100	*			
Pineapples	-	-		-	-			
Stimulant	13224	8896		79293	7508			
Chat	3805	2345		24825	1457			
Coffee	8971	6255		39786	5760			
Hops / 'Gesho'	448	296		30114	291			
Enset	266	236		27702	234			
Sugar cane	144	*		3254	*			
Other permanent	37	*		7507	15			

(Table 1.4.8 cont'd.)

Arsi

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	36905	14915	7007	68135	35765	43298	546128	599589	940651
Cereals	29045	*	*	59637	31257	37311	527746	471068	813636
Teff	12719	3590	1935	30187	10766	11540	201863	81785	49825
Barley	*	*	*	6558	933	1255	243468	88749	214195
Wheat	3444	638	301	27744	16886	21305	322006	197657	500127
Maize	*	*	*	8922	1409	1645	310655	69096	38451
Sorghum	*	*	*	6229	*	*	111551	31816	6984
Finger millet	-	-	-	-	-	-	*	*	*
Oats / 'Aja'	*	*	*	1935	*	*	27846	1943	4043
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	*	8932	1722	1730	323749	73242	105550
Horse / Faba beans	*	*	*	7017	1246	1157	220538	37367	64830
Field Peas	*	*	*	*	*	*	74738	15525	22279
Haricot beans	*	*	*	*	*	*	85728	14541	15717
Chick peas	-	-	-	-	-	-	3841	*	*
Lentils	*	*	*	*	*	*	34232	1726	878
Vetch / Grass peas	*	*	*	-	-	-	16173	1372	875
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	*	*	*	30009	2234	735
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	*	*	*	3158	*	*	119057	23722	21466
Neug	-	-	-	-	-	-	19957	*	*
Linseed	*	*	*	*	*	*	71966	21048	17997
Groundnuts	-	-	-	-	-	-	*	*	*
Safflower	-	-	-	*	*	*	*	*	*
Sesame	-	-	-	-	-	-	*	*	*
Rapeseed	*	*	*	*	*	*	33380	937	400
Vegetables	3224	*	*	4044	*	*	171903	3472	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	-	-	-	-	-	-	26150	206	-
Ethiopian cabbage	*	*	*	*	*	*	109563	1083	-
Tomatoes	*	*	*	*	*	*	*	*	-
Green peppers	*	*	*	-	-	-	36721	204	-
Red peppers	-	-	-	*	*	*	21143	*	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	6233	*	*	14525	1859	3096	175706	8847	-
Beetroot	*	*	*	-	-	-	32696	263	-
Carrot	*	*	*	-	-	-	20026	*	-
Onion	*	*	*	7770	1113	1758	33906	2952	-
Potatoes	*	*	*	*	*	*	52748	3477	-
Garlic	2434	*	*	4258	*	98	103183	1599	-
Taro 'Godere'	-	-	-	-	-	-	*	*	-
Sweet potatoes	*	*	*	*	*	*	7174	*	-
Other Temporary	*	*	*	*	*	*	134553	5031	-
Permanent crops							22448	548	
Avocado							-	-	
Bananas							14762	*	
Guava							*	*	
Lemons							*	*	
Mangoes							*	*	
Oranges							*	*	
Papayas							3100	*	
Pineapples							-	-	
Stimulant							112708	13214	
Chat							48178	3805	
Coffee							54534	8961	
Hops / 'Gesho'							44707	448	
Enset							32542	266	
Sugar cane							6178	144	
Other permanent							10245	35	

(Table 1.4.8 Cont'd.)

Arsi

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	68388	27363	36923	389250	351027	9074	643	172926	122138
Cereals	60028	25156	33980	381069	327856	2834	*	148860	96928
Teff	-	-	-	149034	65028	*	*	12572	5241
Barley	6752	*	*	158707	64154	-	-	47534	22929
Wheat	28894	11562	22336	294247	187225	-	-	77750	40483
Maize	26759	*	*	36336	8605	2363	*	66032	*
Sorghum	-	-	-	*	*	-	-	*	*
Finger millet	-	-	-	*	*	-	-	-	-
Oats / 'Aja'	-	-	-	14165	*	-	-	*	*
Rice	-	-	-	-	-	-	-	-	-
Pulses	6142	*	2600	73156	15890	-	-	59145	17204
Horse / Faba beans	2939	*	*	48832	10106	-	-	45147	9042
Field Peas	-	-	-	21765	4395	-	-	8498	2661
Haricot beans	*	*	*	*	*	-	-	*	*
Chick peas	-	-	-	-	-	-	-	*	*
Lentils	*	*	*	*	*	-	-	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	*	*	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	*	*	*	8183	2075	*	*	14243	*
Neug	-	-	-	*	*	-	-	-	-
Linseed	*	*	*	5391	1972	-	-	*	*
Groundnuts	-	-	-	-	-	*	*	-	-
Safflower	-	-	-	-	-	-	-	*	*
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	*	*	-	-	*	*
Vegetables	*	*	-	8313	*	2740	*	16349	175
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	*	*	-	-	3265	*
Ethiopian cabbage	-	-	-	*	*	*	*	9889	*
Tomatoes	*	*	-	*	*	-	-	*	*
Green peppers	-	-	-	2297	*	1859	*	*	*
Red peppers	-	-	-	*	*	*	-	*	*
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	5075	*	-	39836	4138	*	*	45910	2974
Beetroot	*	*	-	*	*	*	*	1752	*
Carrot	*	*	-	*	*	*	*	*	*
Onion	*	*	-	20623	*	*	*	11012	*
Potatoes	-	-	-	*	*	-	-	19732	1888
Garlic	*	*	-	14124	*	*	*	20038	*
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other Temporary	-	-	-	7378	524	*	*	14184	298
Permanent crops				-	-	*	*	*	*
Avocado				-	-	-	-	-	-
Bananas				-	-	*	*	-	-
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	*	*
Mangoes				-	-	*	*	-	-
Oranges				-	-	-	-	-	-
Papayas				-	-	-	-	*	*
Pineapples				-	-	-	-	-	-
Stimulant	*	*	-	5697	*	*	*	*	*
Chat				4756	*	*	*	1876	*
Coffee	*	*	-	*	*	1888	*	*	*
Hops / 'Gesho'				*	*	*	*	*	*
Enset				-	-	*	*		
Sugar cane				-	-	*	*	*	*
Other permanent				-	-	*	*	*	*

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

West Harerge

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	286524	184657	88822	207701	66338	122573	72051	45124
Cereals	203388	133750	57147	174016	47472	115487	52468	28054
Teff	4580	3111	2093	7023	407	10467	1271	859
Barley	5046	2866	1453	17367	817	18381	1638	1054
Wheat	3578	2375	1702	6630	341	10917	931	659
Maize	66803	51420	31152	139833	10186	98148	28962	16861
Sorghum	122046	73190	20573	130322	35215	65132	19456	8519
Finger millet	*	*	*	*	*	*	*	*
Oats / 'Aja'	*	*	*	*	*	*	*	*
Rice	-	-	-	-	-	-	-	-
Pulses	21816	11891	7144	61938	5344	38936	3680	3296
Horse / Faba beans	1031	*	*	4874	256	*	*	*
Field Peas	250	*	-	*	*	-	-	-
Haricot beans	14752	9485	6154	48429	3993	33364	3001	2758
Chick peas	4040	1132	*	7047	*	*	*	*
Lentils	935	*	*	3933	230	3781	*	*
Vetch / Grass peas	*	*	*	-	-	*	*	*
Soya beans	*	-	-	-	-	-	-	-
Fenugreek	611	267	138	10796	148	3799	101	*
Gibto	*	-	-	-	-	-	-	-
Oilseeds	8904	6335	3355	27251	*	30009	3469	2454
Neug	*	*	-	*	*	-	-	-
Linseed	860	198	*	6761	82	*	*	*
Groundnuts	3506	*	*	7782	*	20610	*	*
Safflower	*	*	*	*	*	*	*	*
Sesame	*	*	*	10227	*	*	*	*
Rapeseed	*	*	*	*	*	*	*	*
Vegetables	7062	5673	*	47776	663	24817	*	*
Lettuce	*	*	-	*	*	-	-	-
Head cabbage	*	*	*	*	*	-	-	-
Ethiopian cabbage	*	*	*	-	-	*	*	*
Tomatoes	477	153	*	21105	110	*	*	*
Green peppers	90	51	*	7779	41	*	*	*
Red peppers	6454	5457	*	27583	509	23416	*	*
Swiss chard	-	-	-	-	-	-	-	-
Root crops	4172	2416	1002	29421	1113	10110	495	261
Beetroot	*	*	-	*	*	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	1927	1354	*	12492	*	3685	*	*
Potatoes	*	*	*	4265	*	*	*	*
Garlic	37	22	*	4243	15	*	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	1721	834	329	14016	*	4909	202	113
Other Temporary	1849	1330	873	72872	733	12634	231	268
Permanent crops	1110	*		19283	*			
Avocado	-	-		-	-			
Bananas	*	*		14935	*			
Guava	27	*		*	*			
Lemons	*	-		-	-			
Mangoes	*	*		1574	*			
Oranges	*	*		*	*			
Papayas	*	*		*	*			
Pineapples	-	-		-	-			
Stimulant	37049	22308		94174	8626			
Chat	23720	12758		57052	4333			
Coffee	13304	9536		53672	4278			
Hops / 'Gesho'	*	*		*	*			
Enset	-	-		-	-			
Sugar cane	976	*		6992	*			
Other permanent	*	*		*	*			

(Table 1.4.9 cont'd.)

West Harerge

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	46848	17694	10590	63888	28573	33108	334188	282765	97536
Cereals	40787	14048	7306	61366	19762	21786	331981	200645	78826
Teff	2733	*	*	6706	1018	*	35593	4580	2087
Barley	3870	221	162	4472	190	238	73782	4990	7725
Wheat	*	*	*	7545	1044	*	39424	3140	5146
Maize	26893	3478	2556	44246	8794	11735	286141	64555	26931
Sorghum	29868	9836	4319	34674	8683	7735	287359	122046	36071
Finger millet	*	*	*	*	*	*	18806	*	*
Oats / 'Aja'	*	*	*	-	-	-	*	*	*
Rice	-	-	-	-	-	-	-	-	-
Pulses	16504	1154	1188	21258	1713	2661	177095	21807	16755
Horse / Faba beans	*	*	*	*	*	*	14701	1031	896
Field Peas	-	-	-	-	-	-	2951	250	*
Haricot beans	14350	1009	1081	17568	1483	2315	142840	14752	13078
Chick peas	*	*	*	*	*	*	29963	4030	1935
Lentils	-	-	-	*	*	*	20019	935	397
Vetch / Grass peas	-	-	-	-	-	-	*	*	*
Soya beans	-	-	-	-	-	-	*	*	*
Fenugreek	-	-	-	*	*	*	32505	611	210
Gibto	-	-	-	-	-	-	*	*	-
Oilseeds	7169	*	413	5575	*	*	101762	8836	1955
Neug	-	-	-	-	-	-	*	*	*
Linseed	*	*	*	*	*	*	34845	860	171
Groundnuts	*	*	*	*	*	*	40257	3506	1554
Safflower	-	-	-	*	*	*	*	*	3
Sesame	5434	*	383	*	*	*	34708	*	207
Rapeseed	*	*	*	*	*	*	*	*	18
Vegetables	5057	*	*	6332	*	*	115562	6882	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	*	*	*	*	*	*	*	*	-
Ethiopian cabbage	-	-	-	-	-	-	1454	*	-
Tomatoes	*	*	*	*	*	*	31557	297	-
Green peppers	*	*	*	*	*	*	18319	90	-
Red peppers	*	*	*	4533	*	*	78280	6453	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	7303	266	133	7429	*	*	82843	4084	-
Beetroot	-	-	-	-	-	-	*	*	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	4020	164	*	*	*	*	32282	1838	-
Potatoes	*	*	*	*	*	*	*	*	-
Garlic	*	*	*	*	*	*	8053	37	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	*	3518	*	185	46829	1721	-
Other Temporary	4203	*	*	7546	*	*	112733	1849	-
Permanent crops							50923	1110	
Avocado							-	-	
Bananas							30896	*	
Guava							9596	27	
Lemons							*	*	
Mangoes							*	*	
Oranges							*	*	
Papayas							*	*	
Pineapples							-	-	
Stimulant							237558	36377	
Chat							210489	23595	
Coffee							116982	12756	
Hops / 'Gesho'							1595	*	
Enset							-	-	
Sugar cane							21222	976	
Other permanent							11606	*	

(Table 1.4.9 Cont'd.)

West Harerge

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	20845	3702	1075	34992	5030	62659	11146	117545	64626
Cereals	13268	2742	1037	5130	1106	35789	2568	115074	45645
Teff	-	-	-	*	*	*	*	*	*
Barley	*	*	*	*	*	*	*	10606	911
Wheat	*	*	*	-	-	*	*	7568	*
Maize	11274	2248	587	2967	*	22657	1227	103468	30389
Sorghum	-	-	-	2461	711	22572	1276	53863	12408
Finger millet	-	-	-	-	-	-	-	*	*
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	*	*	*	3612	*	31200	2282
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	*	*	3233	*	26638	1868
Chick peas	*	*	*	*	*	*	*	*	*
Lentils	-	-	-	-	-	*	*	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	*	*
Soya beans	-	-	-	-	-	-	-	*	*
Fenugreek	-	-	-	-	-	-	-	2767	92
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	*	*	*	*	*	*	*	25860	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	*	*	1751	*
Groundnuts	-	-	-	*	*	*	*	21295	*
Safflower	-	-	-	-	-	-	-	-	-
Sesame	*	*	*	*	*	-	-	*	*
Rapeseed	-	-	-	*	*	-	-	2462	*
Vegetables	*	*	-	*	*	3161	*	22842	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	*	*	-	-	-	*	*	2409	*
Green peppers	-	-	-	-	-	*	*	-	-
Red peppers	*	*	-	*	*	*	*	20830	*
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	-	*	*	8650	*	4454	111
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	*	*	-	-	-	*	*	*	*
Potatoes	-	-	-	-	-	*	*	*	*
Garlic	-	-	-	*	*	-	-	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	7149	*	2763	*
Other Temporary	-	-	-	*	*	2128	*	17662	466
Permanent crops				*	*	21452	*	*	*
Avocado				-	-	-	-	-	-
Bananas				-	-	*	*	*	*
Guava				*	*	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	*	*	*	*
Oranges				-	-	-	-	-	-
Papayas				-	-	*	*	-	-
Pineapples				-	-	-	-	-	-
Stimulant	*	*	-	27096	3028	51798	6157	59581	8971
Chat				27096	2831	40462	4331	48296	4989
Coffee	*	*	-	*	*	*	*	29872	3982
Hops / 'Gesho'				-	-	*	*	-	-
Enset				-	-	-	-		
Sugar cane				-	-	13468	678	*	*
Other permanent				-	-	*	*	*	*

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

East Harerge

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	323800	241038	183821	315952	56495	92944	27123	17899
Cereals	206683	155658	108379	250389	33926	78075	18365	10822
Teff	*	2546	1844	*	*	*	*	*
Barley	4442	3391	1980	24401	614	9425	579	351
Wheat	19629	16139	11196	34602	1704	16989	1679	1415
Maize	47517	38801	35030	193173	11197	46561	3068	2312
Sorghum	129154	93860	57693	158074	19872	52297	12501	6241
Finger millet	*	*	*	-	-	-	-	-
Oats / 'Aja'	1372	*	*	5977	152	*	*	*
Rice	-	-	-	-	-	-	-	-
Pulses	13914	10010	8600	99614	3795	26390	1433	940
Horse / Faba beans	*	*	*	18375	*	*	*	*
Field Peas	*	*	*	*	*	-	-	-
Haricot beans	6668	5069	5983	55930	1821	10159	*	346
Chick peas	449	386	*	*	*	*	*	*
Lentils	527	*	*	4903	*	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	*	*	-	*	*	-	-	-
Fenugreek	2181	1750	1176	43391	643	9622	*	183
Gibto	*	*	*	*	*	*	*	*
Oilseeds	30239	22872	16525	51684	3584	18495	3034	1734
Neug	-	-	-	-	-	-	-	-
Linseed	2289	1317	999	20516	346	3147	*	*
Groundnuts	27485	21277	15243	26592	3149	14921	2979	1685
Safflower	-	-	-	-	-	-	-	-
Sesame	254	*	*	*	*	*	*	*
Rapeseed	*	*	*	*	*	-	-	-
Vegetables	288	245	*	22119	145	*	*	*
Lettuce	*	-	-	-	-	-	-	-
Head cabbage	*	*	*	*	*	*	*	*
Ethiopian cabbage	*	*	*	*	*	-	-	-
Tomatoes	26	18	*	*	14	*	*	*
Green peppers	59	46	*	*	*	*	*	*
Red peppers	*	*	*	3921	*	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
Root crops	7262	4447	3802	72097	1368	13145	291	285
Beetroot	*	*	*	*	*	*	*	*
Carrot	*	*	-	*	*	-	-	-
Onion	*	*	*	5356	34	*	*	*
Potatoes	*	*	*	7231	*	*	*	*
Garlic	360	232	*	14656	169	*	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	4789	2281	1622	52663	970	7416	131	137
Other Temporary	2003	1754	668	140729	1302	*	*	*
Permanent crops	742	334		34419	221			
Avocado	-	-		-	-			
Bananas	383	185		19406	158			
Guava	158	*		5473	17			
Lemons	*	*		*	*			
Mangoes	179	95		8724	37			
Oranges	*	*		*	*			
Papayas	*	5		3326	5			
Pineapples	-	-		-	-			
Stimulant	62337	45544		192940	11984			
Chat	56523	41731		160701	9448			
Coffee	5797	3798		66412	2520			
Hops / 'Gesho'	*	*		*	*			
Enset	-	-		-	-			
Sugar cane	189	81		5665	76			
Other permanent	145	94		20219	94			

(Table 1.4.10 cont'd.)

East Harerge

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	151014	61265	56237	224413	96155	109686	497698	317183	113116
Cereals	139294	38123	31112	213323	65244	66445	489744	200591	89697
Teff	*	*	*	12176	925	1081	38403	*	*
Barley	7793	264	197	20969	*	1432	76101	4442	6041
Wheat	26702	3024	1579	68741	9731	8202	147504	18186	22258
Maize	89078	7595	8422	146071	16941	24296	385912	42868	23718
Sorghum	106779	25974	20242	139132	35513	31210	418150	129154	34898
Finger millet	*	*	*	-	-	-	*	*	*
Oats / 'Aja'	5526	*	*	*	*	*	22230	1372	982
Rice	-	-	-	-	-	-	-	-	-
Pulses	35040	1468	1646	66887	3315	6014	208335	13659	10042
Horse / Faba beans	*	*	*	12404	*	*	42319	*	*
Field Peas	-	-	-	*	*	*	6746	*	*
Haricot beans	26721	1069	1322	41032	1833	4314	127879	6668	4673
Chick peas	*	*	*	*	*	*	*	*	*
Lentils	-	-	-	*	*	*	15741	527	230
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	*	*	*
Fenugreek	11718	321	292	19171	483	701	92805	2181	933
Gibto	-	-	-	-	-	-	*	*	*
Oilseeds	43610	8570	7077	42800	7684	7714	191299	30239	13376
Neug	-	-	-	-	-	-	-	-	-
Linseed	*	*	*	14778	549	654	71740	2289	491
Groundnuts	36856	8158	6751	26193	*	6807	114991	27485	12788
Safflower	-	-	-	-	-	-	-	-	-
Sesame	*	*	*	*	*	*	8052	254	*
Rapeseed	*	*	*	*	*	*	*	*	*
Vegetables	*	*	*	3036	*	*	32234	284	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	*	*	*	*	*	*	*	*	-
Ethiopian cabbage	*	*	*	-	-	-	2535	*	-
Tomatoes	-	-	-	-	-	-	5186	26	-
Green peppers	*	*	*	*	*	*	14681	59	-
Red peppers	*	*	*	*	*	*	7532	*	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	33626	1269	1240	43359	1519	2277	197412	7120	-
Beetroot	-	-	-	*	*	*	*	*	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	*	*	*	*	*	*	10506	*	-
Potatoes	*	*	*	*	*	*	34920	*	-
Garlic	-	-	-	4224	*	*	23655	359	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	21821	543	553	23435	638	931	155833	4789	-
Other Temporary	9159	*	*	21968	279	483	181954	1994	-
Permanent crops							68972	742	
Avocado							-	-	
Bananas							38990	383	
Guava							14701	158	
Lemons							*	*	
Mangoes							18991	179	
Oranges							*	*	
Papayas							5646	*	
Pineapples							-	-	
Stimulant							451259	62227	
Chat							436141	56501	
Coffee							131812	5710	
Hops / 'Gesho'							*	*	
Enset							-	-	
Sugar cane							16393	184	
Other permanent							32430	145	

(Table 1.4.10 Cont'd.)

East Harerge

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	64972	6616	2996	13850	1174	138445	26072	264016	79212
Cereals	49384	6093	2893	6029	579	105635	10349	248511	49077
Teff	-	-	-	*	*	*	*	5986	*
Barley	-	-	-	*	*	*	*	8095	301
Wheat	*	*	1294	*	*	*	*	28708	2822
Maize	40932	4649	1600	3534	*	72310	4029	198308	19406
Sorghum	-	-	-	1938	*	60748	5811	157197	26033
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	*	*
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	*	*	*	17183	487	71706	3775
Horse / Faba beans	-	-	-	-	-	*	*	*	*
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	*	*	10310	183	50585	2441
Chick peas	*	*	*	-	-	-	-	*	*
Lentils	-	-	-	-	-	-	-	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	*	*	-	-
Fenugreek	-	-	-	-	-	*	*	20373	430
Gibto	-	-	-	-	-	-	-	*	*
Oilseeds	-	-	-	*	*	*	*	48653	8625
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	3370	*	11072	311
Groundnuts	-	-	-	*	*	*	*	34103	8228
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	*	*	*	*
Rapeseed	-	-	-	-	-	-	-	*	*
Vegetables	*	*	-	-	-	4358	*	4463	*
Lettuce	*	*	-	-	-	-	-	-	-
Head cabbage	*	*	-	-	-	*	*	*	*
Ethiopian cabbage	-	-	-	-	-	*	*	*	*
Tomatoes	-	-	-	-	-	*	*	*	*
Green peppers	-	-	-	-	-	*	*	*	*
Red peppers	-	-	-	-	-	-	-	*	*
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	-	*	*	55476	2361	38717	1298
Beetroot	*	*	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	*	*	-	-
Onion	*	*	-	-	-	*	*	*	*
Potatoes	-	-	-	-	-	*	*	*	*
Garlic	-	-	-	-	-	*	*	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	*	*	46822	1916	27823	765
Other Temporary	*	*	-	*	*	13913	*	28845	306
Permanent crops				*	*	25375	312	*	*
Avocado				-	-	-	-	-	-
Bananas				*	*	23539	297	*	*
Guava				-	-	*	-	*	*
Lemons				-	-	*	*	-	-
Mangoes				-	-	*	*	*	*
Oranges				-	-	*	*	-	-
Papayas				-	-	*	*	-	-
Pineapples				-	-	-	-	-	-
Stimulant	*	110	-	8301	562	121847	11138	175266	15929
Chat				8301	562	105573	9178	165395	15340
Coffee	*	*	-	-	-	55132	1960	21245	588
Hops / 'Gesho'				-	-	-	-	*	*
Enset				-	-	-	-		
Sugar cane				-	-	*	*	*	*
Other permanent				-	-	*	*	-	-

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

Bale

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	396725	201245	147602	60467	13635	179017	172033	130959
Cereals	297164	186571	142056	34408	8837	173178	163144	126304
Teff	44751	20942	9591	3924	1001	39835	18952	8821
Barley	44580	20674	14633	2987	529	45771	19548	14063
Wheat	142415	121557	109396	5973	3555	120433	106114	95814
Maize	37892	13632	3472	24064	3126	31951	10102	3179
Sorghum	13753	3163	1111	*	*	9394	2444	938
Finger millet	*	-	-	-	-	-	-	-
Oats / 'Aja'	13766	6605	3853	*	*	24150	5984	3489
Rice	-	-	-	-	-	-	-	-
Pulses	30365	4176	1501	12776	1144	13399	2380	920
Horse / Faba beans	14235	*	*	*	290	3532	*	307
Field Peas	6899	*	*	-	-	*	*	*
Haricot beans	4688	1157	381	8074	720	5606	437	381
Chick peas	*	*	*	*	*	*	*	*
Lentils	1280	*	55	1414	*	1904	61	55
Vetch / Grass peas	*	-	-	-	-	-	-	-
Soya beans	*	-	-	-	-	-	-	-
Fenugreek	1949	*	*	*	*	*	*	*
Gibto	-	-	-	-	-	-	-	-
Oilseeds	23331	*	*	*	*	*	*	*
Neug	*	-	-	-	-	-	-	-
Linseed	17609	*	*	*	*	*	*	*
Groundnuts	*	-	-	-	-	-	-	-
Safflower	*	-	-	-	-	-	-	-
Sesame	5315	*	*	-	-	*	*	*
Rapeseed	*	*	-	*	*	-	-	-
Vegetables	6649	*	*	19544	405	*	*	*
Lettuce	*	*	-	*	*	-	-	-
Head cabbage	53	*	*	3080	*	*	*	*
Ethiopian cabbage	255	*	*	15354	*	*	*	*
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	*	*	*	2243	*	*	*	*
Red peppers	6131	*	*	*	*	*	*	*
Swiss chard	*	-	-	-	-	-	-	-
Root crops	2955	1119	*	9493	*	5978	*	*
Beetroot	*	*	*	1466	*	*	*	*
Carrot	*	*	*	*	*	*	*	*
Onion	*	*	*	*	*	*	*	*
Potatoes	*	*	*	*	*	*	*	*
Garlic	227	*	*	*	*	*	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	*	*	*	*	*	*
Other Temporary	*	*	-	13694	*	-	-	-
Permanent crops	965	*		4071	*			
Avocado	*	-		-	-			
Bananas	368	*		*	*			
Guava	*	*		*	*			
Lemons	*	-		-	-			
Mangoes	*	*		*	*			
Oranges	*	*		*	*			
Papayas	131	*		*	*			
Pineapples	*	-		-	-			
Stimulant	25538	*		8480	*			
Chat	8549	*		*	*			
Coffee	16900	*		*	*			
Hops / 'Gesho'	88	*		*	*			
Enset	*	*		*	*			
Sugar cane	*	*		*	*			
Other permanent	48	*		*	*			

(Table 1.4.11 cont'd.)

Bale

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	3981	1692	1192	11468	13885	15451	315446	394860	534386
Cereals	*	1429	1004	11073	13161	14748	291650	295325	495325
Teff	*	*	*	*	*	*	104322	44693	16656
Barley	*	*	*	*	*	*	102363	44580	87618
Wheat	*	*	*	8257	*	*	166145	141016	350015
Maize	*	*	*	*	*	*	158246	37568	18023
Sorghum	*	*	*	*	*	*	50180	13695	3059
Finger millet	-	-	-	-	-	-	*	*	*
Oats / 'Aja'	*	*	*	*	*	*	57040	13766	19948
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	*	*	*	*	128139	30365	28327
Horse / Faba beans	*	*	*	*	*	*	54887	14235	14852
Field Peas	*	*	*	-	-	-	30534	6899	8905
Haricot beans	-	-	-	-	-	-	50038	4688	1926
Chick peas	-	-	-	-	-	-	8873	*	*
Lentils	-	-	-	-	-	-	17066	1280	*
Vetch / Grass peas	-	-	-	-	-	-	*	*	*
Soya beans	-	-	-	-	-	-	*	*	*
Fenugreek	-	-	-	-	-	-	17473	1949	805
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	*	*	*	50319	23331	10734
Neug	-	-	-	-	-	-	*	*	*
Linseed	-	-	-	-	-	-	31612	17609	9783
Groundnuts	-	-	-	-	-	-	*	*	*
Safflower	-	-	-	-	-	-	*	*	*
Sesame	-	-	-	*	*	*	13759	5315	*
Rapeseed	-	-	-	-	-	-	*	*	*
Vegetables	-	-	-	-	-	-	70672	6646	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	-	-	-	-	-	-	5127	50	-
Ethiopian cabbage	-	-	-	-	-	-	32530	255	-
Tomatoes	-	-	-	-	-	-	1345	*	-
Green peppers	-	-	-	-	-	-	9637	*	-
Red peppers	-	-	-	-	-	-	34413	6131	-
Swiss chard	-	-	-	-	-	-	*	*	-
Root crops	*	*	*	*	*	*	46592	2955	-
Beetroot	-	-	-	-	-	-	5444	*	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	-	-	-	*	*	*	11411	*	-
Potatoes	*	*	*	-	-	-	14685	*	-
Garlic	-	-	-	-	-	-	9245	227	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	*	-	-	-	11614	*	-
Other Temporary	-	-	-	-	-	-	60513	*	-
Permanent crops							23302	962	
Avocado							*	*	
Bananas							12484	368	
Guava							3187	*	
Lemons							*	*	
Mangoes							8738	*	
Oranges							*	*	
Papayas							4347	128	
Pineapples							*	*	
Stimulant							76274	25538	
Chat							40397	8549	
Coffee							45100	16900	
Hops / 'Gesho'							8559	88	
Enset							*	*	
Sugar cane							*	*	
Other permanent							3782	*	

(Table 1.4.11 Cont'd.)

Bale

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	7215	1865	2629	173308	190175	*	*	160430	172207
Cereals	5311	1839	2629	170579	187472	*	*	158327	165250
Teff	*	*	*	38279	13746	-	-	39011	20317
Barley	-	-	-	75135	30042	-	-	45959	20022
Wheat	3092	1399	2444	139852	131274	*	*	112933	106885
Maize	*	*	*	*	*	*	*	30170	9583
Sorghum	*	*	*	*	*	*	*	9065	2557
Finger millet	-	-	-	*	*	-	-	-	-
Oats / 'Aja'	-	-	-	45788	11108	-	-	24583	5885
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	3983	*	*	*	12848	2173
Horse / Faba beans	-	-	-	-	-	-	-	3209	*
Field Peas	-	-	-	2149	*	-	-	*	*
Haricot beans	-	-	-	*	*	*	*	5747	403
Chick peas	-	-	-	-	-	-	-	*	*
Lentils	-	-	-	*	*	-	-	1307	*
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	*	*	-	-	*	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	*	*	-	-	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	*	*	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	*	*
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	*	*	-	*	*	*	*	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	-	-	-	-	*	*
Ethiopian cabbage	-	-	-	-	-	*	*	*	*
Tomatoes	-	-	-	-	-	*	*	*	*
Green peppers	-	-	-	-	-	*	*	*	*
Red peppers	-	-	-	*	*	-	-	*	*
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	-	*	*	*	*	5444	*
Beetroot	*	*	-	-	-	-	-	*	*
Carrot	-	-	-	-	-	-	-	*	*
Onion	-	-	-	*	*	*	*	*	*
Potatoes	-	-	-	-	-	-	-	*	*
Garlic	-	-	-	-	-	-	-	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	*	*
Other Temporary	*	*	-	-	-	-	-	*	*
Permanent crops				-	-	*	*	*	*
Avocado				-	-	*	*	-	-
Bananas				-	-	*	*	*	*
Guava				-	-	*	*	-	-
Lemons				-	-	*	*	-	-
Mangoes				-	-	*	*	-	-
Oranges				-	-	*	*	-	-
Papayas				-	-	*	*	-	-
Pineapples				-	-	-	-	-	-
Stimulant	-	-	-	*	528	*	*	*	*
Chat				*	*	*	*	*	*
Coffee	-	-	-	*	*	*	*	*	*
Hops / 'Gesho'				-	-	-	-	-	-
Enset				-	-	-	-		
Sugar cane				-	-	*	*	-	-
Other permanent				-	-	*	*	*	*

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

Borena

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	50014	11352	1243	44122	9337	6638	1474	1129
Cereals	22160	6298	1012	17421	*	6419	1283	913
Teff	3655	476	149	*	*	*	255	*
Barley	271	*	*	*	*	*	*	*
Wheat	*	*	*	*	*	*	*	*
Maize	10558	2439	778	13002	1275	3985	*	705
Sorghum	*	*	*	*	*	*	*	*
Finger millet	*	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
Pulses	8242	1855	*	17120	1658	*	*	*
Horse / Faba beans	137	*	-	*	*	-	-	-
Field Peas	*	-	-	-	-	-	-	-
Haricot beans	8046	1852	*	16867	1655	*	*	*
Chick peas	*	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	*	*	-	*	*	-	-	-
Neug	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-
Groundnuts	*	-	-	-	-	-	-	-
Safflower	*	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Rapeseed	*	*	-	*	*	-	-	-
Vegetables	533	122	-	14364	122	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	*	*	-	-	-
Ethiopian cabbage	332	94	-	11466	94	-	-	-
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	136	*	-	3545	*	-	-	-
Red peppers	*	*	-	*	*	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
Root crops	679	155	*	8157	146	*	*	*
Beetroot	*	*	-	*	*	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	*	*	-	*	*	-	-	-
Potatoes	45	*	-	*	*	-	-	-
Garlic	*	*	-	*	*	-	-	-
Taro 'Godere'	*	*	-	4509	*	-	-	-
Sweet potatoes	500	*	*	3487	*	*	*	*
Other Temporary	479	228	-	11278	228	-	-	-
Permanent crops	684	*		11936	*			
Avocado	131	*		*	*			
Bananas	540	*		7942	*			
Guava	*	-		-	-			
Lemons	*	*		*	*			
Mangoes	*	-		-	-			
Oranges	*	-		-	-			
Papayas	*	*		*	*			
Pineapples	-	-		-	-			
Stimulant	10769	*		18532	*			
Chat	1000	*		*	*			
Coffee	9749	*		17175	*			
Hops / 'Gesho'	*	*		*	*			
Enset	5940	793		19633	793			
Sugar cane	229	*		*	*			
Other permanent	*	*		*	*			

(Table 1.4.12 cont'd.)

Borena

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	*	*	*	*	*	*	101772	48706	12344
Cereals	*	*	*	*	*	*	70246	20900	8162
Teff	-	-	-	*	*	*	18930	3544	1904
Barley	-	-	-	-	-	-	4540	271	*
Wheat	-	-	-	-	-	-	9127	*	*
Maize	*	*	*	*	*	*	53491	9419	3675
Sorghum	*	*	*	*	*	*	11722	*	*
Finger millet	-	-	-	-	-	-	*	*	*
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	*	*	*	*	56634	8242	4178
Horse / Faba beans	-	-	-	-	-	-	*	137	*
Field Peas	-	-	-	-	-	-	*	*	*
Haricot beans	*	*	*	*	*	*	56036	8046	4035
Chick peas	-	-	-	-	-	-	*	*	*
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	*	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	*	*	-
Safflower	-	-	-	-	-	-	*	*	*
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	*	*	*
Vegetables	-	-	-	-	-	-	38766	533	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	*	*	-
Ethiopian cabbage	-	-	-	-	-	-	32258	332	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	12967	136	-
Red peppers	-	-	-	-	-	-	*	*	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	-	-	-	*	*	*	22503	678	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	*	*	-
Potatoes	-	-	-	-	-	-	2758	45	-
Garlic	-	-	-	-	-	-	*	*	-
Taro 'Godere'	-	-	-	-	-	-	7826	*	-
Sweet potatoes	-	-	-	*	*	*	16956	500	-
Other Temporary	-	-	-	-	-	-	27843	479	-
Permanent crops							32934	684	
Avocado							11609	131	
Bananas							22010	540	
Guava							*	*	
Lemons							*	*	
Mangoes							*	*	
Oranges							*	*	
Papayas							*	*	
Pineapples							-	-	
Stimulant							57809	10726	
Chat							13127	1000	
Coffee							54789	9707	
Hops / 'Gesho'							*	*	
Enset							56125	5935	
Sugar cane							8565	229	
Other permanent							*	*	

(Table 1.4.12 Cont'd.)

Borena

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	6707	*	*	1910	*	*	*	*	*
Cereals	5150	*	*	*	*	-	-	*	*
Teff	*	*	*	*	*	-	-	*	*
Barley	-	-	-	*	*	-	-	*	*
Wheat	*	*	*	-	-	-	-	-	-
Maize	4503	*	*	-	-	-	-	*	*
Sorghum	-	-	-	-	-	-	-	*	*
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	-	-	*	*	-	-
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	*	*	-	-
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	*	*	-	-	-	-	-	-	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	-	-	-	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	-	-	-	-	-	-	-
Beetroot	*	*	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other Temporary	-	-	-	*	*	-	-	-	-
Permanent crops				-	-	-	-	*	*
Avocado				-	-	-	-	-	-
Bananas				-	-	-	-	*	*
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	-	-	-	-
Oranges				-	-	-	-	-	-
Papayas				-	-	-	-	-	-
Pineapples				-	-	-	-	-	-
Stimulant	*	*	-	-	-	*	*	-	-
Chat				-	-	-	-	-	-
Coffee	*	*	-	-	-	*	*	-	-
Hops / 'Gesho'				-	-	-	-	-	-
Enset				*	*	-	-		
Sugar cane				-	-	-	-	-	-
Other permanent				-	-	-	-	*	*

Table1.4.13. 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
All	402057	279011	329663	269370	36823	97190	32031	33894
Cereals	263219	233662	304574	150789	13919	74087	22841	24916
Teff	137095	117910	154511	5508	812	19787	5018	4058
Barley	27895	26131	32695	25421	1286	35672	10710	13417
Wheat	70122	68249	105183	10636	846	25590	4799	5491
Maize	23638	20445	11886	131266	10342	21499	2285	1914
Sorghum	4127	706	*	8850	579	-	-	-
Finger millet	*	-	-	-	-	-	-	-
Oats / 'Aja'	*	*	*	*	*	*	*	*
Rice	*	*	-	*	*	-	-	-
Pulses	99524	22929	17130	76459	5720	44100	8153	7928
Horse / Faba beans	14250	9757	7574	63299	3024	28299	3905	4150
Field Peas	13543	8298	7888	5482	432	21576	3505	3354
Haricot beans	5127	454	*	13146	*	*	*	*
Chick peas	38090	*	*	*	*	-	-	-
Lentils	6610	1572	809	2424	*	5391	614	371
Vetch / Grass peas	20911	*	-	*	*	-	-	-
Soya beans	*	*	*	-	-	-	-	-
Fenugreek	932	*	*	2604	*	*	*	*
Gibto	*	-	-	-	-	-	-	-
Oilseeds	17063	1412	297	26940	*	*	*	*
Neug	*	*	*	*	*	*	*	*
Linseed	6321	*	*	*	*	*	*	*
Groundnuts	*	-	-	-	-	-	-	-
Safflower	*	*	*	*	*	-	-	-
Sesame	*	-	-	-	-	-	-	-
Rapeseed	673	496	*	24826	407	*	*	*
Vegetables	4034	3698	*	179652	1108	2248	*	*
Lettuce	*	*	-	3306	*	-	-	-
Head cabbage	80	79	*	14487	65	-	-	-
Ethiopian cabbage	796	771	14	147963	764	*	*	*
Tomatoes	*	*	*	2274	*	-	-	-
Green peppers	392	374	*	75432	197	*	*	*
Red peppers	*	*	*	*	*	*	*	*
Swiss chard	*	*	*	7805	*	-	-	-
Root crops	3092	3006	3065	119402	1037	17617	679	819
Beetroot	44	43	13	27323	30	*	*	*
Carrot	4	3	*	6062	2	-	-	-
Onion	*	*	*	16293	22	*	*	*
Potatoes	1901	1853	1589	42825	736	12626	407	420
Garlic	343	319	126	72042	227	*	*	*
Taro 'Godere'	*	*	*	*	*	-	-	-
Sweet potatoes	*	*	*	*	*	*	*	*
Other Temporary	813	733	*	79711	496	*	*	*
Permanent crops	175	154		35649	152			
Avocado	*	*		6990	*			
Bananas	*	*		19547	*			
Guava	*	1		1499	1			
Lemons	*	*		*	*			
Mangoes	*	*		*	*			
Oranges	*	*		6873	*			
Papayas	20	*		10475	*			
Pineapples	*	*		*	*			
Stimulant	2786	2293		89990	2241			
Chat	1929	1772		49339	1723			
Coffee	343	303		31621	303			
Hops / 'Gesho'	514	218		50424	215			
Enset	11225	11030		163452	10963			
Sugar cane	74	69		15911	69			
Other permanent	52	*		14683	*			

(Table 1.4.13 cont'd.)

South West Shewa

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	22154	4846	3245	226389	205310	292524	318986	389133	427214
Cereals	14807	3786	2177	216914	193116	277481	293565	251041	291247
Teff	7545	3189	1720	158535	108891	148733	197469	136242	81136
Barley	2532	*	*	62219	14004	19108	113715	27437	64175
Wheat	2225	*	*	143470	62276	99491	178059	66323	134570
Maize	2505	130	*	42295	7688	9902	175000	16571	9820
Sorghum	*	*	*	*	*	*	30181	4127	1095
Finger millet	-	-	-	-	-	-	*	*	*
Oats / 'Aja'	-	-	-	*	*	*	*	*	*
Rice	-	-	-	-	-	-	*	*	-
Pulses	*	*	*	46204	8970	9183	224096	98911	130148
Horse / Faba beans	*	*	*	23713	2826	3422	149250	14215	28191
Field Peas	-	-	-	19553	4361	4534	64036	13435	19584
Haricot beans	*	*	*	*	*	*	42451	5127	3406
Chick peas	-	-	-	*	*	*	91178	37620	48720
Lentils	*	*	*	7570	*	*	48980	6610	5239
Vetch / Grass peas	-	-	-	-	-	-	91801	20911	24456
Soya beans	-	-	-	*	*	*	*	*	*
Fenugreek	-	-	-	*	*	*	15059	932	413
Gibto	-	-	-	-	-	-	*	*	*
Oilseeds	*	*	*	4759	*	*	74352	17063	5819
Neug	-	-	-	-	-	-	28792	*	972
Linseed	-	-	-	*	*	*	25045	6321	4653
Groundnuts	-	-	-	-	-	-	*	*	-
Safflower	*	*	*	*	*	*	*	*	*
Sesame	-	-	-	-	-	-	*	*	*
Rapeseed	*	*	*	3350	*	*	30820	673	181
Vegetables	*	*	*	9862	*	*	201674	3947	-
Lettuce	-	-	-	-	-	-	3784	*	-
Head cabbage	*	*	*	*	*	*	16918	78	-
Ethiopian cabbage	*	*	*	1673	*	*	157147	796	-
Tomatoes	*	*	*	-	-	-	*	*	-
Green peppers	*	*	*	*	*	*	83028	392	-
Red peppers	*	*	*	*	*	*	*	*	-
Swiss chard	*	*	*	-	-	-	10999	*	-
Root crops	3014	*	*	24655	1212	*	151619	3068	-
Beetroot	*	*	*	1608	*	*	32596	43	-
Carrot	*	*	*	*	*	*	7270	3	-
Onion	-	-	-	*	*	*	24056	*	-
Potatoes	*	*	*	14697	*	*	65824	1878	-
Garlic	*	*	*	7277	32	*	90720	342	-
Taro 'Godere'	-	-	-	*	*	*	*	*	-
Sweet potatoes	-	-	-	-	-	-	*	*	-
Other Temporary	*	*	*	3102	*	*	98642	813	-
Permanent crops							40401	172	
Avocado							7911	*	
Bananas							20838	*	
Guava							*	*	
Lemons							3351	*	
Mangoes							*	*	
Oranges							8455	*	
Papayas							12956	19	
Pineapples							*	*	
Stimulant							104887	2770	
Chat							56094	1929	
Coffee							32739	327	
Hops / 'Gesho'							63018	514	
Enset							165483	11221	
Sugar cane							18506	74	
Other permanent							20095	52	

(Table 1.4.13 Cont'd.)

South West Shewa

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	43410	12924	10851	222122	190247	23045	*	62104	20768
Cereals	37377	12178	9677	214367	176454	*	*	51603	16897
Teff	1982	*	*	156126	103292	*	*	*	2366
Barley	*	*	*	63326	16208	*	*	*	1406
Wheat	8669	3799	*	137259	54463	*	*	23864	7709
Maize	27933	7067	1490	12530	*	*	*	32921	5377
Sorghum	-	-	-	-	-	*	*	*	*
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	*	*	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	*	23666	11385	-	-	14742	*
Horse / Faba beans	*	*	*	4905	*	-	-	8097	528
Field Peas	*	*	*	5691	*	-	-	*	*
Haricot beans	-	-	-	*	*	-	-	*	*
Chick peas	*	*	*	*	*	-	-	*	*
Lentils	-	-	-	*	*	-	-	*	*
Vetch / Grass peas	-	-	-	9084	2311	-	-	*	*
Soya beans	-	-	-	*	*	-	-	*	*
Fenugreek	-	-	-	*	*	-	-	*	*
Gibto	-	-	-	-	-	-	-	*	-
Oilseeds	-	-	-	7210	1575	*	*	*	*
Neug	-	-	-	*	*	*	*	*	*
Linseed	-	-	-	6061	1471	-	-	*	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	*	*	-	-	*	*
Vegetables	*	*	-	*	*	*	*	1889	*
Lettuce	-	-	-	-	-	*	*	-	-
Head cabbage	*	*	-	*	*	*	*	-	-
Ethiopian cabbage	-	-	-	*	*	*	*	*	*
Tomatoes	-	-	-	-	-	*	*	-	-
Green peppers	-	-	-	*	*	*	*	*	*
Red peppers	*	*	-	-	-	*	*	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	-	13723	*	*	*	*	*
Beetroot	*	*	-	*	*	*	*	*	*
Carrot	*	*	-	-	-	*	*	*	*
Onion	-	-	-	*	*	*	*	*	*
Potatoes	*	*	-	11333	*	*	*	*	*
Garlic	*	*	-	1884	*	*	*	*	*
Taro 'Godere'	-	-	-	-	-	*	*	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other Temporary	-	-	-	*	*	*	*	4186	*
Permanent crops				-	-	*	*	*	*
Avocado				-	-	-	-	-	-
Bananas				-	-	*	*	*	*
Guava				-	-	*	*	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	*	*	-	-
Oranges				-	-	*	*	-	-
Papayas				-	-	*	*	*	*
Pineapples				-	-	-	-	-	-
Stimulant	3201	*	-	-	-	*	*	*	*
Chat				-	-	*	*	-	-
Coffee	3201	*	-	-	-	3226	*	*	*
Hops / 'Gesho'				*	*	3312	*	*	*
Enset				*	*	*	*		
Sugar cane				-	-	*	*	-	-
Other permanent				-	-	*	*	*	*

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

Guji

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	189512	51688	11391	95620	35499	25271	13761	10481
Cereals	95151	27647	9972	47253	13266	24278	12182	9153
Teff	13027	2361	1185	*	*	4511	1599	*
Barley	23813	13159	1570	26228	9346	6856	2495	1428
Wheat	6651	1632	1399	*	*	4149	*	*
Maize	51647	10482	5818	31781	3051	14269	6784	5444
Sorghum	*	*	-	*	*	-	-	-
Finger millet	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
Pulses	28404	7340	202	29102	6324	2196	*	*
Horse / Faba beans	8403	1932	*	18604	*	1410	*	*
Field Peas	3033	1225	*	7097	*	*	*	*
Haricot beans	15842	*	*	8979	*	*	*	*
Chick peas	*	-	-	-	-	-	-	-
Lentils	*	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	*	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	*	*	-	*	*	-	-	-
Neug	-	-	-	-	-	-	-	-
Linseed	*	*	-	*	*	-	-	-
Groundnuts	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-
Vegetables	1981	823	*	50981	800	*	*	*
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	*	*	*	*	*	*	*	*
Ethiopian cabbage	1704	737	*	48303	715	*	*	*
Tomatoes	*	-	-	-	-	-	-	-
Green peppers	220	51	-	5004	51	-	-	-
Red peppers	*	-	-	-	-	-	-	-
Swiss chard	*	-	-	-	-	-	-	-
Root crops	1059	295	*	10505	*	*	*	*
Beetroot	*	*	-	*	*	-	-	-
Carrot	*	*	-	*	*	-	-	-
Onion	*	-	-	-	-	-	-	-
Potatoes	582	*	*	*	*	*	*	*
Garlic	*	*	*	*	*	*	*	*
Taro 'Godere'	*	-	-	-	-	-	-	-
Sweet potatoes	*	*	-	*	*	-	-	-
Other Temporary	1332	*	-	26451	*	-	-	-
Permanent crops	1475	*		10733	*			
Avocado	201	*		*	*			
Bananas	1223	*		6210	*			
Guava	*	-		-	-			
Lemons	-	-		-	-			
Mangoes	*	-		*	-			
Oranges	-	-		*	-			
Papayas	*	-		-	-			
Pineapples	-	-		-	-			
Stimulant	28250	5141		28905	4846			
Chat	*	*		*	*			
Coffee	27018	4884		28627	4823			
Hops / 'Gesho'	*	*		-	-			
Enset	31222	9464		71226	9094			
Sugar cane	412	-		*	-			
Other permanent	*	66		3640	66			

(Table 1.4.14 cont'd.)

Guji

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	3533	*	910	-	-	-	229689	173865	84380
Cereals	3237	*	819	-	-	-	185151	82720	64014
Teff	*	*	*	-	-	-	35239	12783	4568
Barley	*	*	*	-	-	-	68920	23667	28160
Wheat	*	*	*	-	-	-	26089	6334	11245
Maize	*	*	*	-	-	-	140485	39922	20028
Sorghum	-	-	-	-	-	-	*	*	*
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	*	-	-	-	114532	28315	20356
Horse / Faba beans	-	-	-	-	-	-	57962	8318	7612
Field Peas	-	-	-	-	-	-	16776	3029	2497
Haricot beans	*	*	*	-	-	-	55556	15842	9777
Chick peas	-	-	-	-	-	-	*	*	*
Lentils	-	-	-	-	-	-	*	*	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	*	*	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	1092	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	1092	*	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	*	*	*	-	-	-	109691	1932	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	*	*	-
Ethiopian cabbage	*	*	*	-	-	-	103874	1683	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	16949	220	-
Red peppers	-	-	-	-	-	-	*	*	-
Swiss chard	-	-	-	-	-	-	*	*	-
Root crops	-	-	-	-	-	-	30927	977	-
Beetroot	-	-	-	-	-	-	*	*	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	*	*	-
Potatoes	-	-	-	-	-	-	18070	566	-
Garlic	-	-	-	-	-	-	*	*	-
Taro 'Godere'	-	-	-	-	-	-	*	*	-
Sweet potatoes	-	-	-	-	-	-	10177	*	-
Other Temporary	-	-	-	-	-	-	50864	1332	-
Permanent crops							39187	1475	
Avocado							15386	201	
Bananas							25248	1223	
Guava							*	*	
Lemons							-	-	
Mangoes							*	*	
Oranges							*	-	
Papayas							*	*	
Pineapples							-	-	
Stimulant							97838	25316	
Chat							10827	*	
Coffee							93148	24085	
Hops / 'Gesho'							2312	*	
Enset							168366	31170	
Sugar cane							10256	412	
Other permanent							10591	*	

(Table 1.4.14 Cont'd.)

Guji

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	32146	15647	4013	*	*	1806	*	10840	5474
Cereals	22305	12431	3956	*	*	*	*	8774	4964
Teff	*	*	*	*	*	-	-	*	*
Barley	*	*	*	*	*	-	-	1841	723
Wheat	*	*	*	*	*	-	-	*	*
Maize	21446	11725	3003	*	*	*	*	6844	*
Sorghum	-	-	-	-	-	-	-	-	-
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	*	-	-	-	-	*	*
Horse / Faba beans	*	*	*	-	-	-	-	*	*
Field Peas	*	*	-	-	-	-	-	*	*
Haricot beans	-	-	-	-	-	-	-	*	*
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	*	*	-	-	-	-	-	1690	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	-	-	-	-	*	-
Ethiopian cabbage	*	*	-	-	-	-	-	*	*
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	-	-	-	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	-	-	-	-	-	*	*
Beetroot	*	*	-	-	-	-	-	-	-
Carrot	*	*	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	-	-	-
Potatoes	*	*	-	-	-	-	-	*	*
Garlic	*	*	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other Temporary	-	-	-	*	*	-	-	*	*
Permanent crops				-	-	-	-	-	-
Avocado				-	-	-	-	-	-
Bananas				-	-	-	-	-	-
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	-	-	-	-
Oranges				-	-	-	-	-	-
Papayas				-	-	-	-	-	-
Pineapples				-	-	-	-	-	-
Stimulant	*	*	-	-	-	*	*	*	*
Chat				-	-	-	-	-	-
Coffee	*	*	-	-	-	*	*	*	*
Hops / 'Gesho'				-	-	-	-	-	-
Enset				-	-	*	*		
Sugar cane				-	-	*	*	*	*
Other permanent				-	-	-	-	*	*

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

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Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	218821	41964	29057	85345	13959	8138	1625	651
Cereals	138214	31381	24034	63514	10079	6149	*	*
Teff	17594	4442	2112	1564	*	*	*	*
Barley	4761	227	*	4500	202	-	-	-
Wheat	9000	1540	550	4341	*	*	*	*
Maize	56786	21559	19999	59347	7590	*	*	*
Sorghum	31651	1959	*	8318	1195	*	-	*
Finger millet	18099	*	*	1422	*	*	*	*
Oats / 'Aja'	*	*	-	*	*	-	-	-
Rice	*	*	*	-	-	*	*	*
Pulses	19680	1217	*	24743	1010	1172	*	*
Horse / Faba beans	6266	450	*	7773	336	*	*	*
Field Peas	4613	224	*	2179	*	*	*	*
Haricot beans	6199	293	*	10641	244	*	*	*
Chick peas	1658	*	-	*	*	-	-	-
Lentils	*	*	-	*	*	-	-	-
Vetch / Grass peas	*	-	-	-	-	-	-	-
Soya beans	*	*	*	*	*	-	-	-
Fenugreek	615	203	*	8787	*	*	*	*
Gibto	-	-	-	-	-	-	-	-
Oilseeds	5603	488	225	11986	342	*	*	*
Neug	*	*	-	*	*	-	-	-
Linseed	136	-	-	-	-	-	-	-
Groundnuts	250	*	*	*	*	*	*	*
Safflower	*	*	-	*	*	-	-	-
Sesame	833	*	-	*	*	-	-	-
Rapeseed	1035	395	184	10330	301	-	-	-
Vegetables	12857	6366	*	29559	568	*	*	*
Lettuce	*	*	-	*	*	-	-	-
Head cabbage	75	*	-	5271	*	-	-	-
Ethiopian cabbage	87	52	-	5707	52	-	-	-
Tomatoes	*	*	*	*	*	-	-	-
Green peppers	96	45	*	7821	*	-	-	-
Red peppers	12518	6209	*	17482	419	*	*	*
Swiss chard	*	*	-	*	*	-	-	-
Root crops	1716	583	*	23591	252	*	*	*
Beetroot	38	25	-	5815	25	-	-	-
Carrot	*	3	-	1456	3	-	-	-
Onion	*	*	*	4143	*	*	*	*
Potatoes	76	-	-	-	-	-	-	-
Garlic	62	17	*	4019	13	-	-	-
Taro 'Godere'	232	46	-	10070	46	-	-	-
Sweet potatoes	*	*	*	4315	*	*	*	*
Other Temporary	1087	348	*	25047	334	-	-	-
Permanent crops	1353	211		19023	210			
Avocado	23	5		1125	*			
Bananas	962	133		12414	133			
Guava	*	-		-	-			
Lemons	5	*		*	*			
Mangoes	227	15		2671	15			
Oranges	*	*		*	*			
Papayas	*	*		*	*			
Pineapples	-	-		-	-			
Stimulant	37420	1194		20276	991			
Chat	1546	*		7067	*			
Coffee	35763	878		15428	754			
Hops / 'Gesho'	110	14		2781	14			
Enset	464	149		16691	147			
Sugar cane	361	*		1177	*			
Other permanent	*	4		*	4			

(Table 1.4.15 cont'd.)

Kelem

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	28048	4736	2488	74457	21645	25918	185187	202938	70659
Cereals	6291	1068	486	66668	18797	23017	171665	126288	55657
Teff	1690	215	*	10891	3722	1874	63125	17474	7396
Barley	-	-	-	*	*	*	40300	4761	5766
Wheat	*	*	*	3271	770	525	44763	8926	13011
Maize	2057	*	*	56561	13230	19667	154819	45087	14066
Sorghum	*	*	*	*	*	*	127229	31620	8594
Finger millet	1784	*	*	1692	*	*	97306	18099	6695
Oats / 'Aja'	-	-	-	-	-	-	1603	*	*
Rice	*	*	*	*	*	*	*	*	*
Pulses	*	*	*	1497	*	*	109044	19668	14040
Horse / Faba beans	-	-	-	*	*	*	54406	6266	5858
Field Peas	-	-	-	*	*	*	29535	4613	2642
Haricot beans	*	*	*	*	*	*	69697	6199	4475
Chick peas	-	-	-	-	-	-	11060	1658	801
Lentils	-	-	-	-	-	-	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	*	*	*
Soya beans	-	-	-	*	*	*	3356	*	*
Fenugreek	-	-	-	-	-	-	24407	615	186
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	1029	*	*	2663	103	185	52795	5600	962
Neug	-	-	-	-	-	-	16319	*	512
Linseed	-	-	-	-	-	-	3589	136	14
Groundnuts	*	*	*	*	*	*	5709	250	*
Safflower	-	-	-	-	-	-	*	*	*
Sesame	-	-	-	-	-	-	6922	833	99
Rapeseed	*	*	*	2209	88	174	24541	1032	*
Vegetables	22935	3270	*	10146	*	*	117220	12799	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	-	-	-	-	-	-	10152	73	-
Ethiopian cabbage	-	-	-	-	-	-	12200	87	-
Tomatoes	*	*	*	-	-	-	2116	*	-
Green peppers	*	*	*	-	-	-	15418	96	-
Red peppers	22540	3263	*	10146	*	*	98694	12518	-
Swiss chard	-	-	-	-	-	-	*	*	-
Root crops	*	*	*	*	*	*	71279	1372	-
Beetroot	-	-	-	-	-	-	9370	34	-
Carrot	-	-	-	-	-	-	1915	*	-
Onion	*	*	*	-	-	-	7646	288	-
Potatoes	-	-	-	-	-	-	2017	76	-
Garlic	*	*	*	*	*	*	12287	62	-
Taro 'Godere'	-	-	-	-	-	-	30569	232	-
Sweet potatoes	*	*	*	*	*	*	28515	*	-
Other Temporary	*	*	*	*	*	*	67532	1087	-
Permanent crops							92511	1340	
Avocado							5457	23	
Bananas							72308	949	
Guava							*	*	
Lemons							2434	5	
Mangoes							31218	227	
Oranges							4718	*	
Papayas							18683	*	
Pineapples							-	-	
Stimulant							146423	33892	
Chat							33447	1546	
Coffee							136549	32235	
Hops / 'Gesho'							11976	110	
Enset							51088	464	
Sugar cane							9741	361	
Other permanent							7914	*	

(Table 1.4.15 Cont'd.)

Kelem

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	59311	15883	2723	68861	24014	*	*	56121	14905
Cereals	52085	11926	2719	67193	23658	*	*	50951	11529
Teff	*	*	*	32017	10393	-	-	*	*
Barley	-	-	-	2367	128	-	-	-	-
Wheat	*	*	*	17922	*	-	-	*	*
Maize	51053	11700	2655	*	*	*	*	49742	11192
Sorghum	*	*	*	9010	1986	*	*	*	*
Finger millet	-	-	-	30658	6275	-	-	*	*
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	*	*	-	-	-	-
Pulses	*	*	*	*	*	-	-	*	*
Horse / Faba beans	-	-	-	*	*	-	-	*	*
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	-	-	*	*
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	*	*	*	-	-	-	-	*	*
Fenugreek	-	-	-	-	-	-	-	*	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	*	*	-	-	-	*	*	1634	75
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	*	*	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	*	*	-	-	-	-	-	1634	75
Vegetables	1467	*	-	*	*	*	*	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	*	*	-	-	*	*
Tomatoes	*	*	-	-	-	*	*	*	*
Green peppers	-	-	-	-	-	-	-	-	-
Red peppers	-	-	-	*	*	*	*	*	*
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	4005	*	-	*	*	*	*	*	*
Beetroot	*	4	-	-	-	-	-	-	-
Carrot	*	*	-	-	-	-	-	-	-
Onion	*	*	-	-	-	*	*	*	*
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	*	*	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	*	*
Sweet potatoes	*	*	-	-	-	-	-	*	*
Other Temporary	-	-	-	*	*	*	*	*	*
Permanent crops				-	-	*	*	*	*
Avocado				-	-	-	-	-	-
Bananas				-	-	*	*	*	*
Guava				-	-	*	*	-	-
Lemons				-	-	*	*	-	-
Mangoes				-	-	*	*	-	-
Oranges				-	-	-	-	-	-
Papayas				-	-	*	*	-	-
Pineapples				-	-	-	-	-	-
Stimulant	8672	3528	-	1482	*	*	*	7235	*
Chat				*	*	*	*	*	*
Coffee	8672	3528	-	*	*	*	*	6983	*
Hops / 'Gesho'				-	-	-	-	*	*
Enset				*	*	-	-		
Sugar cane				-	-	*	*	-	-
Other permanent				*	*	-	-	-	-

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

Horoguduru

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	283277	157182	162043	89833	17517	66141	72630	56792
Cereals	183292	135676	151500	59986	9781	60448	61744	50556
Teff	82533	63982	52636	4250	1117	52659	52922	43456
Barley	12066	6034	3617	15447	2246	9335	2030	1347
Wheat	25012	22637	31577	4914	898	9152	2531	2465
Maize	50162	42821	63427	50289	5485	15027	4196	3235
Sorghum	12672	*	*	*	*	-	-	-
Finger millet	489	*	*	*	*	*	*	*
Oats / 'Aja'	261	*	*	*	*	*	*	*
Rice	*	*	*	-	-	*	*	*
Pulses	25635	11426	5600	41730	4059	21599	6467	4914
Horse / Faba beans	10621	5866	2924	20583	2503	14583	2970	2635
Field Peas	10605	5062	2648	8848	1076	13211	3486	2266
Haricot beans	1816	70	*	3444	*	*	*	*
Chick peas	*	*	-	*	*	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	*	*	-	*	*	-	-	-
Fenugreek	346	232	*	24100	221	*	*	*
Gibto	-	-	-	-	-	-	-	-
Oilseeds	69490	8072	4606	24665	1946	11776	4321	1234
Neug	49929	4812	653	2665	1180	5206	3544	640
Linseed	1319	*	*	*	*	*	*	*
Groundnuts	*	-	-	-	-	-	-	-
Safflower	424	-	-	-	-	-	-	-
Sesame	8200	-	-	-	-	-	-	-
Rapeseed	3312	2785	3910	22813	729	6476	338	551
Vegetables	649	205	*	36462	190	*	*	*
Lettuce	*	*	-	*	*	-	-	-
Head cabbage	35	19	*	10369	19	*	*	*
Ethiopian cabbage	44	25	-	4233	25	-	-	-
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	218	79	*	22479	78	-	-	-
Red peppers	304	80	*	8529	67	-	-	-
Swiss chard	*	*	-	*	*	-	-	-
Root crops	1075	792	*	57920	719	1050	*	*
Beetroot	40	28	*	14009	28	*	*	*
Carrot	9	5	*	5056	5	*	*	*
Onion	86	76	*	12525	75	-	-	-
Potatoes	*	*	*	*	*	-	-	-
Garlic	473	366	*	53036	353	914	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	8	*	*	1340	*	*	*	*
Other Temporary	724	367	47	34259	320	998	*	*
Permanent crops	200	23		5217	23			
Avocado	*	*		*	*			
Bananas	85	*		3702	*			
Guava	-	-		-	-			
Lemons	*	*		*	*			
Mangoes	*	*		*	*			
Oranges	1	*		*	*			
Papayas	*	*		*	*			
Pineapples	-	-		-	-			
Stimulant	1924	505		22471	412			
Chat	*	*		3584	*			
Coffee	*	*		5248	*			
Hops / 'Gesho'	567	299		20496	227			
Enset	32	22		2838	22			
Sugar cane	202	59		1054	*			
Other permanent	54	35		5050	28			

(Table 1.4.16 cont'd.)

Horoguduru

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	4021	*	*	75625	65910	104565	118315	247244	187883
Cereals	2421	*	*	75320	63158	100325	112382	147490	145806
Teff	*	*	*	17966	9891	9163	85986	82341	60642
Barley	*	*	*	9699	1729	2245	45587	12066	26535
Wheat	*	*	*	43551	19189	29100	57848	23529	51839
Maize	1669	*	*	55439	32246	59629	76015	16080	4626
Sorghum	-	-	-	*	*	*	19662	12626	1639
Finger millet	*	*	*	-	-	-	2877	489	*
Oats / 'Aja'	-	-	-	-	-	-	3873	261	280
Rice	-	-	-	-	-	-	*	*	*
Pulses	*	*	*	4763	806	642	88081	25635	29134
Horse / Faba beans	*	*	*	2646	310	251	58153	10621	13212
Field Peas	*	*	*	2963	488	376	46394	10605	11794
Haricot beans	-	-	-	*	*	*	14937	1816	*
Chick peas	-	-	-	-	-	-	*	*	*
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	*	*	*
Fenugreek	-	-	-	*	*	*	34323	346	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	*	*	*	19651	1802	3367	92891	69458	12942
Neug	-	-	-	*	*	*	66209	49929	7146
Linseed	-	-	-	-	-	-	7532	1319	465
Groundnuts	-	-	-	-	-	-	9983	*	*
Safflower	-	-	-	-	-	-	3058	424	29
Sesame	-	-	-	-	-	-	16669	8200	858
Rapeseed	*	*	*	19475	1715	3354	52799	3280	280
Vegetables	*	*	*	*	*	*	56896	646	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	-	-	-	-	-	-	15934	35	-
Ethiopian cabbage	-	-	-	-	-	-	6220	44	-
Tomatoes	-	-	-	-	-	-	1331	*	-
Green peppers	*	*	*	*	*	*	33410	218	-
Red peppers	*	*	*	*	*	*	17906	301	-
Swiss chard	-	-	-	-	-	-	*	*	-
Root crops	*	*	*	713	*	*	80093	1014	-
Beetroot	-	-	-	-	-	-	21416	39	-
Carrot	-	-	-	-	-	-	7769	8	-
Onion	*	*	*	*	*	*	14937	86	-
Potatoes	-	-	-	*	*	*	*	*	-
Garlic	*	*	*	*	*	*	73597	473	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	2853	8	-
Other Temporary	*	*	*	*	*	*	51111	722	-
Permanent crops							14282	192	
Avocado							845	*	
Bananas							8276	85	
Guava							-	-	
Lemons							1891	*	
Mangoes							5203	*	
Oranges							618	1	
Papayas							*	*	
Pineapples							-	-	
Stimulant							39126	1800	
Chat							8396	*	
Coffee							10653	*	
Hops / 'Gesho'							33875	564	
Enset							3757	32	
Sugar cane							6726	202	
Other permanent							7042	54	

(Table 1.4.16 Cont'd.)

Horoguduru

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	63023	36032	11530	68996	73326	5066	472	60490	36533
Cereals	61619	35802	11530	68062	73145	*	*	59890	34525
Teff	1042	*	*	57971	51715	-	-	1206	279
Barley	-	-	-	6840	971	*	*	*	*
Wheat	3706	1482	3227	39729	18228	-	-	3549	1312
Maize	59994	34081	8232	2119	970	*	*	58573	32819
Sorghum	*	*	*	*	*	*	*	*	*
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	*	*	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	*	*	677	*	782	*
Horse / Faba beans	-	-	-	*	*	*	*	*	*
Field Peas	-	-	-	-	-	*	*	-	-
Haricot beans	-	-	-	-	-	-	-	*	*
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	*	*	*	*	*	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	*	*	-	*	*	*	*	22382	1864
Neug	-	-	-	*	*	-	-	*	*
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	*	*
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	*	*	-	-	-	*	*	22232	1775
Vegetables	*	*	-	590	*	*	*	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	*	*	*	*	*	*
Ethiopian cabbage	-	-	-	*	*	*	*	-	-
Tomatoes	-	-	-	-	-	*	*	-	-
Green peppers	*	*	-	-	-	*	*	*	*
Red peppers	*	*	-	*	*	*	*	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	-	1683	*	*	*	*	*
Beetroot	*	*	-	*	*	-	-	*	*
Carrot	*	*	-	-	-	-	-	-	-
Onion	-	-	-	*	*	*	*	-	-
Potatoes	*	*	-	-	-	*	*	*	*
Garlic	*	*	-	*	*	*	*	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other Temporary	*	*	-	*	*	-	-	977	*
Permanent crops				-	-	*	*	*	*
Avocado				-	-	-	-	-	-
Bananas				-	-	*	*	*	*
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	-	-	-	-
Oranges				-	-	-	-	-	-
Papayas				-	-	-	-	-	-
Pineapples				-	-	-	-	-	-
Stimulant	1871	*	-	-	-	993	*	920	*
Chat				-	-	*	*	-	-
Coffee	1871	*	-	-	-	*	*	920	*
Hops / 'Gesho'				-	-	*	*	*	*
Enset				-	-	-	-		
Sugar cane				-	-	1671	62	*	*
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
All	373774	286329	217222	281467	43620	306565	197292	161571
Cereals	281849	230252	183002	135228	20781	279366	173204	139939
Teff	14513	7730	3611	5844	*	21812	4630	2236
Barley	58247	48335	42316	13832	*	135752	42248	39368
Wheat	127656	118471	100115	6651	1723	118732	95074	72703
Maize	66755	49321	34526	116559	13872	126645	27759	24163
Sorghum	9624	2714	914	18256	1083	17236	1311	616
Finger millet	4604	3607	*	6310	253	20573	*	*
Oats / 'Aja'	*	*	*	-	-	*	*	*
Rice	-	-	-	-	-	-	-	-
Pulses	35182	19036	11785	42136	3612	52163	12593	8788
Horse / Faba beans	4496	2635	717	11506	1046	13509	1439	639
Field Peas	*	*	*	*	*	*	*	*
Haricot beans	18975	13378	9623	28710	2228	31756	8545	6858
Chick peas	*	*	*	-	-	*	*	*
Lentils	*	*	*	-	-	*	*	*
Vetch / Grass peas	*	*	*	*	*	*	*	*
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	*	*	*	*	*	*	*	*
Gibto	*	-	-	-	-	-	-	-
Oilseeds	3325	*	*	8943	*	*	*	*
Neug	-	-	-	-	-	-	-	-
Linseed	2395	*	*	2912	*	*	*	*
Groundnuts	-	-	-	-	-	-	-	-
Safflower	*	-	-	-	-	-	-	-
Sesame	*	*	-	*	*	-	-	-
Rapeseed	*	*	*	*	*	*	*	*
Vegetables	4052	2927	*	193833	2282	10797	222	234
Lettuce	*	*	-	*	*	-	-	-
Head cabbage	276	*	*	6307	*	2556	*	*
Ethiopian cabbage	2354	1807	*	188330	1691	7860	*	*
Tomatoes	*	*	*	-	-	-	-	-
Green peppers	*	93	*	25897	92	-	-	-
Red peppers	*	*	*	*	*	*	*	*
Swiss chard	*	*	*	*	*	*	*	*
Root crops	19301	18081	20559	75446	1652	107241	10768	12048
Beetroot	171	159	*	15308	28	6701	*	*
Carrot	*	*	*	5058	*	*	*	*
Onion	*	*	*	*	*	*	*	*
Potatoes	17484	16522	19162	28684	1009	99614	10347	11512
Garlic	1161	942	*	30556	*	7286	*	*
Taro 'Godere'	*	*	*	-	-	*	*	*
Sweet potatoes	*	*	-	*	*	-	-	-
Other Temporary	1599	1014	*	75979	746	9196	*	*
Permanent crops	237	110		19848	102			
Avocado	52	*		8118	*			
Bananas	*	*		13611	*			
Guava	-	-		-	-			
Lemons	-	-		-	-			
Mangoes	*	*		*	*			
Oranges	-	-		-	-			
Papayas	*	*		*	*			
Pineapples	-	-		-	-			
Stimulant	*	*		21307	*			
Chat	*	10		5836	7			
Coffee	*	*		12042	*			
Hops / 'Gesho'	*	*		*	*			
Enset	19885	13401		177350	13301			
Sugar cane	*	*		4938	*			
Other permanent	15	7		7764	7			

(Table 1.4.17 cont'd.)

West Arsi

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	5270	*	*	72435	43128	54407	446687	332459	496834
Cereals	4327	*	*	56365	34306	41891	388301	241335	457221
Teff	*	*	*	6746	1759	*	50039	13749	7407
Barley	*	*	*	10021	*	2322	181785	57546	141778
Wheat	*	*	*	30815	21315	27230	157452	120164	283397
Maize	2025	*	*	25478	7454	10203	235989	35320	16975
Sorghum	*	*	*	3318	313	*	68270	9503	*
Finger millet	*	*	*	*	*	*	49592	4604	2562
Oats / 'Aja'	-	-	-	-	-	-	*	*	*
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	*	12416	2595	*	144591	34503	36467
Horse / Faba beans	-	-	-	*	*	*	42925	4496	*
Field Peas	-	-	-	*	*	*	7020	*	*
Haricot beans	*	*	*	11051	2368	*	92274	18296	17922
Chick peas	-	-	-	-	-	-	*	*	*
Lentils	-	-	-	-	-	-	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	*	*	*
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	*	*	*
Gibto	-	-	-	-	-	-	*	*	*
Oilseeds	-	-	-	*	*	*	32070	3325	3147
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	11740	2395	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	*	*	*
Sesame	-	-	-	-	-	-	*	*	*
Rapeseed	-	-	-	*	*	*	18500	*	*
Vegetables	-	-	-	2067	*	*	259812	4041	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	-	-	-	-	-	-	13259	265	-
Ethiopian cabbage	-	-	-	*	*	*	242798	2354	-
Tomatoes	-	-	-	*	*	*	*	*	-
Green peppers	-	-	-	*	*	*	32031	*	-
Red peppers	-	-	-	-	-	-	*	*	-
Swiss chard	-	-	-	-	-	-	*	*	-
Root crops	*	*	*	23859	*	*	213653	19281	-
Beetroot	-	-	-	*	*	*	27647	151	-
Carrot	-	-	-	-	-	-	7308	*	-
Onion	-	-	-	*	*	*	5838	*	-
Potatoes	*	*	*	22052	*	*	153571	17484	-
Garlic	-	-	-	*	*	*	52466	1161	-
Taro 'Godere'	-	-	-	-	-	-	*	*	-
Sweet potatoes	-	-	-	-	-	-	9007	*	-
Other Temporary	-	-	-	*	*	*	112431	1599	-
Permanent crops							44885	236	
Avocado							*	52	
Bananas							*	*	
Guava							-	-	
Lemons							-	-	
Mangoes							*	*	
Oranges							-	-	
Papayas							*	*	
Pineapples							-	-	
Stimulant							52331	*	
Chat							12584	*	
Coffee							*	*	
Hops / 'Gesho'							*	*	
Enset							213665	19820	
Sugar cane							11122	*	
Other permanent							12972	15	

(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
All	92345	41315	30635	217785	172662	8138	*	169331	128364
Cereals	90045	40514	30282	203609	167616	*	*	152089	115025
Teff	*	*	*	37287	10687	*	*	13603	3744
Barley	*	*	*	92211	30947	*	*	62696	19955
Wheat	13408	7492	18132	149891	120310	*	*	75806	61548
Maize	79523	31435	9231	3314	*	*	*	79860	27237
Sorghum	*	*	*	*	*	*	*	*	*
Finger millet	-	-	-	*	*	-	-	*	*
Oats / 'Aja'	-	-	-	*	*	-	-	*	*
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	*	*	*	*	*	23979	*
Horse / Faba beans	-	-	-	-	-	-	-	*	*
Field Peas	-	-	-	*	*	*	*	*	*
Haricot beans	*	*	*	*	*	-	-	*	*
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	*	*
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	*	*	-	-	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	*	*	-	-	*	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	*	*
Vegetables	*	*	-	*	*	*	*	9745	*
Lettuce	-	-	-	-	-	-	-	*	*
Head cabbage	*	*	-	*	*	-	-	*	*
Ethiopian cabbage	-	-	-	2869	29	*	*	6592	21
Tomatoes	-	-	-	*	*	*	*	*	*
Green peppers	-	-	-	*	*	*	*	*	*
Red peppers	-	-	-	*	*	-	-	-	-
Swiss chard	-	-	-	-	-	*	*	-	-
Root crops	2219	*	-	28777	3246	*	*	48299	5498
Beetroot	*	*	-	*	*	*	*	4648	*
Carrot	*	*	-	-	-	-	-	2009	*
Onion	-	-	-	*	*	*	*	*	*
Potatoes	-	-	-	20877	2757	*	*	40643	*
Garlic	-	-	-	*	*	*	*	4123	*
Taro 'Godere'	-	-	-	*	*	-	-	*	*
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other Temporary	-	-	-	*	*	*	*	8156	185
Permanent crops				*	*	*	*	2852	*
Avocado				-	-	*	*	*	*
Bananas				*	*	*	*	*	*
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	*	*	-	-
Oranges				-	-	-	-	-	-
Papayas				-	-	*	*	*	*
Pineapples				-	-	-	-	-	-
Stimulant	*	*	-	-	-	*	*	2478	*
Chat				-	-	-	-	*	*
Coffee	*	*	-	-	-	*	*	*	*
Hops / 'Gesho'				-	-	-	-	-	-
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
All	76993	5605	*	11751	4315	*	*	*
Cereals	65730	3610	*	9532	2916	*	*	*
Teff	-	-	-	-	-	-	-	-
Barley	*	-	-	-	-	-	-	-
Wheat	4150	-	-	-	-	-	-	-
Maize	28808	1436	*	6778	*	-	-	-
Sorghum	31594	2175	*	5586	*	*	*	*
Finger millet	-	-	-	-	-	-	-	-
Oats / 'Aja'	*	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
Pulses	1058	*	*	3264	*	-	-	-
Horse / Faba beans	-	-	-	-	-	-	-	-
Field Peas	*	*	-	*	*	-	-	-
Haricot beans	942	*	*	3178	*	-	-	-
Chick peas	*	-	-	-	-	-	-	-
Lentils	*	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	*	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	*	*	*	*	*	-	-	-
Neug	-	-	-	-	-	-	-	-
Linseed	*	-	-	-	-	-	-	-
Groundnuts	*	*	*	*	*	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	*	*	*	*	*	-	-	-
Rapeseed	-	-	-	-	-	-	-	-
Vegetables	779	*	-	*	*	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-
Tomatoes	721	*	-	*	*	-	-	-
Green peppers	*	*	-	*	*	-	-	-
Red peppers	-	-	-	-	-	-	-	-
Swiss chard	*	-	-	-	-	-	-	-
Root crops	838	*	*	*	*	-	-	-
Beetroot	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	813	*	*	*	*	-	-	-
Potatoes	-	-	-	-	-	-	-	-
Garlic	*	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	20	*	-	*	*	-	-	-
Other Temporary	*	-	-	-	-	-	-	-
Permanent crops	411	154		1875	150			
Avocado	-	-		-	-			
Bananas	*	*		*	*			
Guava	*	*		*	*			
Lemons	45	15		1083	15			
Mangoes	34	*		541	*			
Oranges	208	*		1045	*			
Papayas	*	*		*	*			
Pineapples	-	-		-	-			
Stimulant	5283	*		*	*			
Chat	5275	*		*	*			
Coffee	*	*		*	*			
Hops / 'Gesho'	-	-		-	-			
Enset	-	-		-	-			
Sugar cane	*	*		*	*			
Other permanent	366	*		828	*			

(Table 1.5.cont'd.)

Somalie Region

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	*	*	*	*	*	*	104238	76076	30578
Cereals	-	-	-	*	*	*	100731	65199	28164
Teff	-	-	-	-	-	-	*	-	*
Barley	-	-	-	-	-	-	*	*	*
Wheat	-	-	-	-	-	-	13248	3957	2591
Maize	-	-	-	*	*	*	79839	28536	11898
Sorghum	-	-	-	*	*	*	64530	31529	12827
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	*	*	*
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	*	*	*	12111	1053	355
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	*	*	*
Haricot beans	-	-	-	*	*	*	10953	936	328
Chick peas	-	-	-	-	-	-	*	*	*
Lentils	-	-	-	-	-	-	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	*	*	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	*	*	*	*	*	*	*	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	*	*	*
Groundnuts	-	-	-	*	*	*	*	*	*
Safflower	-	-	-	-	-	-	-	-	-
Sesame	*	*	*	*	*	*	*	*	*
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	-	-	-	-	-	-	9232	687	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	-	-	-	-	-	-	7531	*	-
Green peppers	-	-	-	-	-	-	*	*	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	*	*	-
Root crops	*	*	*	-	-	-	6455	822	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	*	*	*	-	-	-	5307	798	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	*	*	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	1003	20	-
Other Temporary	-	-	-	-	-	-	*	*	-
Permanent crops							5509	409	
Avocado							-	-	
Bananas							*	*	
Guava							*	*	
Lemons							2131	45	
Mangoes							1439	34	
Oranges							1963	208	
Papayas							*	*	
Pineapples							-	-	
Stimulant							20265	5066	
Chat							20175	5058	
Coffee							*	*	
Hops / 'Gesho'							-	-	
Enset							-	-	
Sugar cane							*	*	
Other permanent							2418	366	

(Table 1.5 Cont'd.)

Somalie Region

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	4145	918	*	862	*	12830	4230	*	*
Cereals	*	*	*	*	*	11754	2937	*	*
Teff	-	-	-	-	-	-	-	-	-
Barley	-	-	-	-	-	-	-	-	-
Wheat	*	*	*	-	-	-	-	-	-
Maize	*	*	*	*	*	9873	1709	*	*
Sorghum	*	*	*	*	*	3025	1229	*	*
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	*	*	*	*	*	*	*
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	*	*	-	-
Haricot beans	*	*	*	*	*	*	*	*	*
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	*	*	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	*	*	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	*	*	-	-	-	4190	288	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	*	*	-	-	-	4071	278	*	*
Green peppers	*	*	-	-	-	*	*	-	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	-	*	*	3931	*	*	*
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	*	*	-	*	*	3471	*	-	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	*	*	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	455	*	*	*
Other Temporary	*	*	-	-	-	-	-	-	-
Permanent crops				*	*	3958	351	-	-
Avocado				-	-	-	-	-	-
Bananas				-	-	802	*	-	-
Guava				-	-	*	*	-	-
Lemons				*	*	1798	44	-	-
Mangoes				*	*	1221	33	-	-
Oranges				-	-	1907	205	-	-
Papayas				-	-	*	*	-	-
Pineapples				-	-	-	-	-	-
Stimulant	*	*	-	-	-	2263	303	-	-
Chat				-	-	2173	294	-	-
Coffee	*	*	-	-	-	*	*	-	-
Hops / 'Gesho'				-	-	-	-	-	-
Enset				-	-	-	-		
Sugar cane				-	-	*	*	-	-
Other permanent				*	*	1383	*	-	-

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

Shinele

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	2889	761	*	2225	729	*	*	*
Cereals	2205	495	*	1730	479	*	*	*
Teff	-	-	-	-	-	-	-	-
Barley	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-
Maize	277	*	-	*	*	-	-	-
Sorghum	1928	479	*	1597	463	*	*	*
Finger millet	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
Pulses	*	*	-	*	*	-	-	-
Horse / Faba beans	-	-	-	-	-	-	-	-
Field Peas	*	*	-	*	*	-	-	-
Haricot beans	-	-	-	-	-	-	-	-
Chick peas	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	*	*	*	*	*	-	-	-
Neug	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	*	*	*	*	*	-	-	-
Rapeseed	-	-	-	-	-	-	-	-
Vegetables	*	*	-	*	*	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	*	*	-	*	*	-	-	-
Red peppers	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
Root crops	*	*	*	266	*	-	-	-
Beetroot	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	*	*	*	*	*	-	-	-
Potatoes	-	-	-	-	-	-	-	-
Garlic	*	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	-	*	*	-	-	-
Other Temporary	-	-	-	-	-	-	-	-
Permanent crops	308	117		1336	113			
Avocado	-	-		-	-			
Bananas	*	*		*	*			
Guava	*	*		*	*			
Lemons	42	13		761	13			
Mangoes	32	*		322	*			
Oranges	208	*		1045	*			
Papayas	*	*		*	*			
Pineapples	-	-		-	-			
Stimulant	310	136		1006	125			
Chat	302	134		958	123			
Coffee	*	*		*	*			
Hops / 'Gesho'	-	-		-	-			
Enset	-	-		-	-			
Sugar cane	*	*		*	*			
Other permanent	*	*		507	*			

(Table 1.5.1 cont'd.)

Shinele

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	*	*	*	*	*	*	6082	2883	536
Cereals	-	-	-	*	*	*	5775	2200	535
Teff	-	-	-	-	-	-	-	-	-
Barley	-	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-	-
Maize	-	-	-	-	-	-	2249	272	*
Sorghum	-	-	-	*	*	*	5258	1928	398
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	-	-	-	*	*	*
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	*	*	*
Haricot beans	-	-	-	-	-	-	-	-	-
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	*	*	*	-	-	-	*	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	*	*	*	-	-	-	*	*	*
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	-	-	-	-	-	-	331	*	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	*	*	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	*	-	-	-	579	*	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	*	*	*	-	-	-	*	*	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	*	*	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	*	*	-
Other Temporary	-	-	-	-	-	-	-	-	-
Permanent crops							2678	308	
Avocado							-	-	
Bananas							*	*	
Guava							*	*	
Lemons							1545	42	
Mangoes							1048	32	
Oranges							1963	208	
Papayas							*	*	
Pineapples							-	-	
Stimulant							2325	309	
Chat							2235	302	
Coffee							*	*	
Hops / 'Gesho'							-	-	
Enset							-	-	
Sugar cane							*	*	
Other permanent							987	*	

(Table 1.5.1 Cont'd.)

Shinele

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	*	*	*	*	*	3406	1995	-	-
Cereals	*	*	*	*	*	3187	1325	-	-
Teff	-	-	-	-	-	-	-	-	-
Barley	-	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-	-
Maize	*	*	*	-	-	1307	*	-	-
Sorghum	-	-	-	*	*	2903	1221	-	-
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	-	-	*	*	-	-
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	*	*	-	-
Haricot beans	-	-	-	-	-	-	-	-	-
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	*	*	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	*	*	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	-	-	-	-	-	331	*	-	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	-	-	-	-	-	*	*	-	-
Green peppers	-	-	-	-	-	*	*	-	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	-	-	-	-	-	554	*	-	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	*	*	-	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	*	*	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	*	*	-	-
Other Temporary	-	-	-	-	-	-	-	-	-
Permanent crops				*	*	2565	303	-	-
Avocado				-	-	-	-	-	-
Bananas				-	-	*	*	-	-
Guava				-	-	*	*	-	-
Lemons				*	*	1477	42	-	-
Mangoes				*	*	1002	31	-	-
Oranges				-	-	1907	205	-	-
Papayas				-	-	*	*	-	-
Pineapples				-	-	-	-	-	-
Stimulant	*	*	-	-	-	2263	303	-	-
Chat				-	-	2173	294	-	-
Coffee	*	*	-	-	-	*	*	-	-
Hops / 'Gesho'				-	-	-	-	-	-
Enset				-	-	-	-		
Sugar cane				-	-	*	*	-	-
Other permanent				*	*	902	*	-	-

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

Jijiga

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	67290	*	*	*	*	-	-	-
Cereals	57902	*	*	*	*	-	-	-
Teff	-	-	-	-	-	-	-	-
Barley	*	-	-	-	-	-	-	-
Wheat	4150	-	-	-	-	-	-	-
Maize	22967	*	*	*	*	-	-	-
Sorghum	29608	*	*	*	*	-	-	-
Finger millet	-	-	-	-	-	-	-	-
Oats / 'Aja'	*	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
Pulses	*	*	*	*	*	-	-	-
Horse / Faba beans	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-
Haricot beans	*	*	*	*	*	-	-	-
Chick peas	*	-	-	-	-	-	-	-
Lentils	*	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	*	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	*	*	*	*	*	-	-	-
Neug	-	-	-	-	-	-	-	-
Linseed	*	-	-	-	-	-	-	-
Groundnuts	*	*	*	*	*	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	*	*	*	*	*	-	-	-
Rapeseed	-	-	-	-	-	-	-	-
Vegetables	*	*	-	*	*	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	*	*	-	*	*	-	-	-
Red peppers	-	-	-	-	-	-	-	-
Swiss chard	*	-	-	-	-	-	-	-
Root crops	*	*	-	*	*	-	-	-
Beetroot	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	*	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-
Garlic	*	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	-	*	*	-	-	-
Other Temporary	*	-	-	-	-	-	-	-
Permanent crops	*	-		-	-			
Avocado	-	-		-	-			
Bananas	-	-		-	-			
Guava	*	-		-	-			
Lemons	-	-		-	-			
Mangoes	-	-		-	-			
Oranges	-	-		-	-			
Papayas	-	-		-	-			
Pineapples	-	-		-	-			
Stimulant	4973	*		*	*			
Chat	4973	*		*	*			
Coffee	-	-		-	-			
Hops / 'Gesho'	-	-		-	-			
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
All	-	-	-	*	*	*	74250	66493	28006
Cereals	-	-	-	*	*	*	73207	57377	25777
Teff	-	-	-	-	-	-	-	-	-
Barley	-	-	-	-	-	-	*	*	*
Wheat	-	-	-	-	-	-	13248	3957	2591
Maize	-	-	-	*	*	*	56135	22699	9950
Sorghum	-	-	-	*	*	*	58708	29544	12395
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	*	*	*
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	*	*	*	6987	*	170
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	*	*	*	*	*	*
Chick peas	-	-	-	-	-	-	*	*	*
Lentils	-	-	-	-	-	-	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	*	*	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	*	*	*	*	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	*	*	*
Groundnuts	-	-	-	*	*	*	*	*	*
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	*	*	*	*	*	*
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	-	-	-	-	-	-	6518	*	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	-	-	-	-	-	-	4936	*	-
Green peppers	-	-	-	-	-	-	*	*	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	*	*	-
Root crops	-	-	-	-	-	-	3796	*	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	3264	*	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	*	*	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	*	*	-
Other Temporary	-	-	-	-	-	-	*	*	-
Permanent crops							*	*	
Avocado							-	-	
Bananas							-	-	
Guava							*	*	
Lemons							-	-	
Mangoes							-	-	
Oranges							-	-	
Papayas							-	-	
Pineapples							-	-	
Stimulant							17940	4756	
Chat							17940	4756	
Coffee							-	-	
Hops / 'Gesho'							-	-	
Enset							-	-	
Sugar cane							-	-	
Other permanent							844	*	

(Table 1.5.2 Cont'd.)

Jijiga

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	2310	797	*	-	-	-	-	*	*
Cereals	*	*	*	-	-	-	-	*	*
Teff	-	-	-	-	-	-	-	-	-
Barley	-	-	-	-	-	-	-	-	-
Wheat	*	*	*	-	-	-	-	-	-
Maize	*	*	*	-	-	-	-	*	*
Sorghum	*	*	*	-	-	-	-	*	*
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	-	-	-	-	*	*
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	-	-	*	*
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	-	-	-	-	-	-	-	-	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	-	-	-	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	-	-	-	-	-	-	-	-	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other Temporary	*	*	-	-	-	-	-	-	-
Permanent crops				-	-	-	-	-	-
Avocado				-	-	-	-	-	-
Bananas				-	-	-	-	-	-
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	-	-	-	-
Oranges				-	-	-	-	-	-
Papayas				-	-	-	-	-	-
Pineapples				-	-	-	-	-	-
Stimulant	*	*	-	-	-	-	-	-	-
Chat				-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-	-
Hops / 'Gesho'				-	-	-	-	-	-
Enset				-	-	-	-		
Sugar cane				-	-	-	-	-	-
Other permanent				-	-	-	-	-	-

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

Liben

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	6815	*	-	*	*	-	-	-
Cereals	5622	*	-	*	*	-	-	-
Teff	-	-	-	-	-	-	-	-
Barley	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-
Maize	5564	*	-	*	*	-	-	-
Sorghum	*	-	-	-	-	-	-	-
Finger millet	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
Pulses	529	*	-	*	*	-	-	-
Horse / Faba beans	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-
Haricot beans	529	*	-	*	*	-	-	-
Chick peas	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-
Vegetables	275	*	-	*	*	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-
Tomatoes	268	*	-	*	*	-	-	-
Green peppers	*	*	-	*	*	-	-	-
Red peppers	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
Root crops	*	*	-	*	*	-	-	-
Beetroot	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	*	*	-	*	*	-	-	-
Potatoes	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	*	-	-	-	-	-	-	-
Other Temporary	*	-	-	-	-	-	-	-
Permanent crops	*	*		*	*			
Avocado	-	-		-	-			
Bananas	*	*		*	*			
Guava	*	*		*	*			
Lemons	*	*		*	*			
Mangoes	*	*		*	*			
Oranges	-	-		-	-			
Papayas	*	*		*	*			
Pineapples	-	-		-	-			
Stimulant	-	-		-	-			
Chat	-	-		-	-			
Coffee	-	-		-	-			
Hops / 'Gesho'	-	-		-	-			
Enset	-	-		-	-			
Sugar cane	*	-		-	-			
Other permanent	*	*		*	*			

(Table 1.5.3 cont'd.)

Liben

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	-	-	-	-	-	-	23907	6700	2036
Cereals	-	-	-	-	-	-	21750	5622	1851
Teff	-	-	-	-	-	-	*	-	*
Barley	-	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-	-
Maize	-	-	-	-	-	-	21456	5564	1812
Sorghum	-	-	-	-	-	-	*	*	*
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	-	-	-	4996	523	185
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	-	4996	523	185
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	-	-	-	-	-	-	2383	*	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	-	-	-	-	-	-	2383	*	-
Green peppers	-	-	-	-	-	-	*	*	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	-	-	-	-	-	-	2079	*	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	1826	*	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	*	*	-
Other Temporary	-	-	-	-	-	-	*	*	-
Permanent crops							*	*	
Avocado							-	-	
Bananas							*	*	
Guava							*	*	
Lemons							*	*	
Mangoes							*	*	
Oranges							-	-	
Papayas							*	*	
Pineapples							-	-	
Stimulant							-	-	
Chat							-	-	
Coffee							-	-	
Hops / 'Gesho'							-	-	
Enset							-	-	
Sugar cane							*	*	
Other permanent							*	*	

(Table 1.5.3 Cont'd.)

Liben

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	*	*	*	*	*	9424	2235	*	*
Cereals	-	-	-	*	*	8567	1612	*	*
Teff	-	-	-	-	-	-	-	-	-
Barley	-	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-	-
Maize	-	-	-	*	*	8567	1604	*	*
Sorghum	-	-	-	-	-	*	*	-	-
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	*	*	*	*	*	-	-
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	*	*	*	*	*	*	*	-	-
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	*	*	-	-	-	3858	274	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	*	*	-	-	-	3858	267	*	*
Green peppers	*	*	-	-	-	*	*	-	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	-	*	*	3377	*	*	*
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	*	*	-	*	*	*	*	-	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	*	*	*	*
Other Temporary	-	-	-	-	-	-	-	-	-
Permanent crops				-	-	1394	*	-	-
Avocado				-	-	-	-	-	-
Bananas				-	-	*	*	-	-
Guava				-	-	*	*	-	-
Lemons				-	-	*	*	-	-
Mangoes				-	-	*	*	-	-
Oranges				-	-	-	-	-	-
Papayas				-	-	*	*	-	-
Pineapples				-	-	-	-	-	-
Stimulant	-	-	-	-	-	-	-	-	-
Chat				-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-	-
Hops / 'Gesho'				-	-	-	-	-	-
Enset				-	-	-	-		
Sugar cane				-	-	*	*	-	-
Other permanent				-	-	*	*	-	-

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

Benishangul-Gumuz

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	253682	47127	29305	85525	18323	23338	16371	10655
Cereals	167390	39413	26514	74785	14292	21062	14405	9308
Teff	19389	11185	6296	4671	*	14059	9112	5756
Barley	723	576	*	1907	212	*	*	*
Wheat	1771	*	*	1546	*	*	*	*
Maize	49476	20635	17121	71053	10114	8546	1537	912
Sorghum	65933	2367	*	11210	2082	1478	*	*
Finger millet	29115	3526	1675	*	*	5055	2399	1438
Oats / 'Aja'	*	*	-	*	*	-	-	-
Rice	*	-	-	-	-	-	-	-
Pulses	24704	2343	848	11448	1070	4282	1016	*
Horse / Faba beans	726	483	*	5540	406	*	*	*
Field Peas	887	*	*	1897	*	*	*	*
Haricot beans	7749	*	*	3641	*	*	*	*
Chick peas	853	*	*	*	*	*	*	*
Lentils	*	*	-	*	*	-	-	-
Vetch / Grass peas	*	-	-	-	-	-	-	-
Soya beans	14390	1199	*	1026	*	*	*	*
Fenugreek	*	-	-	-	-	-	-	-
Gibto	*	-	*	-	-	*	-	*
Oilseeds	51837	1500	239	8796	973	2747	*	141
Neug	9066	636	*	2709	593	*	*	*
Linseed	677	*	*	1784	*	*	*	*
Groundnuts	23145	*	*	2233	*	*	*	*
Safflower	*	*	*	*	*	*	*	*
Sesame	18486	*	*	1670	*	*	*	*
Rapeseed	110	71	49	1997	*	*	*	*
Vegetables	3427	*	*	27388	892	3000	*	*
Lettuce	*	*	-	*	*	-	-	-
Head cabbage	14	3	*	1191	2	*	*	*
Ethiopian cabbage	76	*	-	2257	*	-	-	-
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	55	*	-	*	*	-	-	-
Red peppers	3277	*	*	24328	854	*	*	*
Swiss chard	*	*	-	*	*	-	-	-
Root crops	1239	794	*	21486	347	*	*	*
Beetroot	3	3	-	2058	3	-	-	-
Carrot	2	1	-	1071	1	-	-	-
Onion	120	36	*	4101	17	*	*	*
Potatoes	*	*	*	3133	122	*	*	*
Garlic	106	79	*	6685	*	*	*	*
Taro 'Godere'	42	12	-	1541	12	-	-	-
Sweet potatoes	458	173	*	9241	135	*	*	*
Other Temporary	1952	296	*	16805	289	*	*	*
Permanent crops	1190	168		15523	116			
Avocado	4	*		*	*			
Bananas	340	52		6435	47			
Guava	*	*		*	*			
Lemons	32	*		1370	*			
Mangoes	653	*		6183	38			
Oranges	70	*		1272	6			
Papayas	32	16		3231	16			
Pineapples	-	-		-	-			
Stimulant	1746	*		9535	*			
Chat	841	30		2589	26			
Coffee	860	*		5975	*			
Hops / 'Gesho'	45	19		3451	14			
Enset	5	*		*	*			
Sugar cane	138	*		*	*			
Other permanent	*	2		1565	2			

(Table 1.6. cont'd.)

Benishangul-Gumuz

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	10415	2635	1659	21762	9798	16991	259878	248217	100242
Cereals	4855	1864	1310	18697	8851	15896	252042	162273	60983
Teff	*	*	*	893	*	*	44217	19271	12419
Barley	*	*	*	-	-	-	7009	723	1281
Wheat	*	*	*	*	*	*	6390	1742	*
Maize	2373	565	*	17537	8419	15598	224004	44565	14147
Sorghum	*	-	*	-	-	-	162388	65933	16943
Finger millet	*	*	*	*	*	*	67703	29060	12596
Oats / 'Aja'	-	-	-	-	-	-	*	*	*
Rice	-	-	-	-	-	-	*	*	*
Pulses	*	*	*	*	*	*	95500	24520	16989
Horse / Faba beans	*	*	*	-	-	-	8800	726	784
Field Peas	*	*	*	-	-	-	4521	887	733
Haricot beans	-	-	-	*	*	*	53332	7749	5471
Chick peas	-	-	-	-	-	-	8915	830	357
Lentils	-	-	-	-	-	-	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	*	*	-
Soya beans	*	*	*	*	*	*	30209	14230	9542
Fenugreek	-	-	-	-	-	-	*	*	*
Gibto	-	-	-	-	-	-	*	*	*
Oilseeds	634	*	26	*	*	*	139483	51769	22270
Neug	-	-	-	-	-	-	34642	9066	1427
Linseed	-	-	-	-	-	-	15986	677	185
Groundnuts	-	-	-	-	-	-	61910	23076	18098
Safflower	-	-	-	*	*	*	*	*	*
Sesame	*	*	*	*	*	*	67909	18486	2490
Rapeseed	*	*	*	*	*	*	4773	110	*
Vegetables	4368	*	*	*	*	*	74621	3411	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	-	-	-	-	-	-	2727	13	-
Ethiopian cabbage	-	-	-	-	-	-	7705	76	-
Tomatoes	-	-	-	-	-	-	2315	*	-
Green peppers	-	-	-	-	-	-	8914	55	-
Red peppers	4368	*	*	*	*	*	60763	3262	-
Swiss chard	-	-	-	-	-	-	*	*	-
Root crops	1122	*	*	*	*	*	55389	1231	-
Beetroot	-	-	-	-	-	-	2114	3	-
Carrot	-	-	-	-	-	-	1550	1	-
Onion	*	*	*	*	*	*	10453	116	-
Potatoes	*	*	*	-	-	-	8067	*	-
Garlic	*	*	*	-	-	-	12408	106	-
Taro 'Godere'	-	-	-	-	-	-	5600	42	-
Sweet potatoes	*	*	*	*	*	*	32975	455	-
Other Temporary	*	*	*	-	-	-	77526	1952	-
Permanent crops							80304	1189	
Avocado							1136	*	
Bananas							27971	340	
Guava							6667	*	
Lemons							7297	32	
Mangoes							56856	652	
Oranges							8216	70	
Papayas							12058	32	
Pineapples							-	-	
Stimulant							39194	1675	
Chat							17821	828	
Coffee							24986	802	
Hops / 'Gesho'							9844	45	
Enset							694	5	
Sugar cane							6961	138	
Other permanent							*	*	

(Table1.6. Cont'd.)

Benishangul-Gumuz

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	19436	5465	1625	17448	8633	12537	757	39177	27164
Cereals	13606	5117	1523	15860	8500	1072	*	35944	21602
Teff	*	*	*	3648	*	*	*	11841	5876
Barley	-	-	-	-	-	-	-	*	*
Wheat	*	*	*	*	*	-	-	*	*
Maize	12920	4911	1429	*	875	739	*	25325	10306
Sorghum	-	-	-	*	*	*	*	1448	*
Finger millet	*	*	*	7207	5037	-	-	5223	3983
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	*	*	*	*	*	-	-	*	*
Pulses	1565	*	*	*	*	*	*	6680	*
Horse / Faba beans	-	-	-	*	*	-	-	1968	*
Field Peas	-	-	-	-	-	-	-	*	*
Haricot beans	-	-	-	-	-	*	*	*	*
Chick peas	*	*	*	*	*	-	-	*	*
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	1295	*	*	*	*	-	-	*	*
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	*	*
Oilseeds	*	*	*	*	*	*	*	6961	*
Neug	-	-	-	*	*	*	*	*	*
Linseed	-	-	-	*	*	-	-	*	*
Groundnuts	*	*	*	-	-	-	-	3850	*
Safflower	-	-	-	*	*	-	-	*	*
Sesame	-	-	-	-	-	-	-	1022	*
Rapeseed	-	-	-	-	-	-	-	*	*
Vegetables	858	*	-	*	*	*	59	3046	166
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	-	-	*	*	*	*
Ethiopian cabbage	-	-	-	-	-	*	*	-	-
Tomatoes	-	-	-	-	-	*	*	-	-
Green peppers	-	-	-	-	-	*	*	-	-
Red peppers	*	*	-	*	*	*	*	2956	166
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	822	*	-	-	-	*	*	*	*
Beetroot	*	*	-	-	-	-	-	*	*
Carrot	*	*	-	-	-	-	-	*	*
Onion	615	*	-	-	-	*	*	*	*
Potatoes	-	-	-	-	-	-	-	*	*
Garlic	*	*	-	-	-	*	*	*	*
Taro 'Godere'	-	-	-	-	-	*	*	-	-
Sweet potatoes	*	*	-	-	-	-	-	*	*
Other Temporary	-	-	-	-	-	*	*	944	*
Permanent crops				*	*	4839	81	*	*
Avocado				-	-	-	-	-	-
Bananas				*	*	3825	*	-	-
Guava				-	-	*	*	-	-
Lemons				-	-	*	*	-	-
Mangoes				-	-	*	*	*	*
Oranges				-	-	-	-	*	*
Papayas				-	-	*	*	*	*
Pineapples				-	-	-	-	-	-
Stimulant	*	71	-	*	*	*	*	*	*
Chat				*	*	*	*	-	-
Coffee	*	59	-	-	-	*	*	*	*
Hops / 'Gesho'				-	-	*	*	*	*
Enset				*	*	-	-		
Sugar cane				-	-	*	*	-	-
Other permanent				-	-	*	*	-	-

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

Metekel

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	149882	31786	24985	40441	9371	14934	13286	9571
Cereals	95437	27984	23516	35610	7250	13647	12002	8519
Teff	15560	9420	5867	*	*	9241	7682	5400
Barley	647	573	*	1844	*	*	*	*
Wheat	1641	*	*	*	*	*	*	*
Maize	22248	13537	14695	33334	5272	4517	*	*
Sorghum	28745	*	*	*	*	*	*	*
Finger millet	25654	3195	1582	*	*	3365	*	1352
Oats / 'Aja'	*	*	-	*	*	-	-	-
Rice	*	-	-	-	-	-	-	-
Pulses	16901	1637	*	7823	966	1634	*	*
Horse / Faba beans	697	483	*	5540	406	*	*	*
Field Peas	878	*	*	1897	*	*	*	*
Haricot beans	5023	*	*	*	*	*	*	*
Chick peas	*	-	-	-	-	-	-	-
Lentils	*	*	-	*	*	-	-	-
Vetch / Grass peas	*	-	-	-	-	-	-	-
Soya beans	*	*	*	*	*	*	*	*
Fenugreek	-	-	-	-	-	-	-	-
Gibto	*	-	*	-	-	*	-	*
Oilseeds	35099	645	*	3613	*	*	*	*
Neug	2705	*	-	*	*	-	-	-
Linseed	243	*	*	*	*	*	*	*
Groundnuts	21966	*	-	*	*	-	-	-
Safflower	*	*	*	-	-	*	*	*
Sesame	9808	*	*	*	-	*	*	*
Rapeseed	67	*	*	1693	*	*	*	*
Vegetables	799	522	*	11172	292	*	*	*
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	*	*	-	-	-
Ethiopian cabbage	*	*	-	*	*	-	-	-
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	22	*	-	*	*	-	-	-
Red peppers	758	508	*	9880	*	*	*	*
Swiss chard	-	-	-	-	-	-	-	-
Root crops	714	*	*	9816	199	*	*	*
Beetroot	*	*	-	*	*	-	-	-
Carrot	*	*	-	*	*	-	-	-
Onion	17	17	*	2193	*	*	*	*
Potatoes	*	*	*	*	*	*	*	*
Garlic	103	78	*	5837	*	*	*	*
Taro 'Godere'	*	*	-	*	*	-	-	-
Sweet potatoes	88	*	*	*	*	-	-	-
Other Temporary	343	*	*	2053	*	*	*	*
Permanent crops	242	*		7853	65			
Avocado	*	-		-	-			
Bananas	56	*		*	*			
Guava	*	*		*	*			
Lemons	8	*		*	*			
Mangoes	130	*		4369	31			
Oranges	*	*		*	*			
Papayas	18	13		2355	13			
Pineapples	-	-		-	-			
Stimulant	*	*		*	*			
Chat	*	*		*	*			
Coffee	*	*		*	*			
Hops / 'Gesho'	30	*		*	*			
Enset	-	-		-	-			
Sugar cane	*	*		*	*			
Other permanent	*	*		957	*			

(Table 1.6.1 cont'd.)

Metekel

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	5619	1916	*	14458	7213	14057	120969	146787	77728
Cereals	3552	1658	*	14209	7075	13794	115182	92378	44276
Teff	*	*	*	*	*	*	25342	15441	11317
Barley	*	*	*	-	-	-	5623	647	1217
Wheat	*	*	*	*	*	*	4922	1622	*
Maize	1776	*	*	13581	6807	13541	97498	19382	7209
Sorghum	*	-	*	-	-	-	55880	28745	9352
Finger millet	*	*	*	*	*	*	46404	25599	11676
Oats / 'Aja'	-	-	-	-	-	-	*	*	*
Rice	-	-	-	-	-	-	*	*	*
Pulses	*	*	*	-	-	-	52337	16901	13491
Horse / Faba beans	*	*	*	-	-	-	8159	697	759
Field Peas	*	*	*	-	-	-	4169	878	727
Haricot beans	-	-	-	-	-	-	27722	5023	4634
Chick peas	-	-	-	-	-	-	*	*	*
Lentils	-	-	-	-	-	-	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	*	*	-
Soya beans	-	-	-	-	-	-	14044	*	*
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	*	*	*
Oilseeds	*	*	*	*	*	*	71492	35099	19961
Neug	-	-	-	-	-	-	6221	2705	589
Linseed	-	-	-	-	-	-	2682	243	*
Groundnuts	-	-	-	-	-	-	40532	21966	17645
Safflower	-	-	-	*	*	*	*	*	*
Sesame	*	*	*	-	-	-	36998	9808	1580
Rapeseed	*	*	*	-	-	-	3467	67	*
Vegetables	1773	*	*	*	*	*	34586	786	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	*	*	-
Ethiopian cabbage	-	-	-	-	-	-	1711	*	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	4976	22	-
Red peppers	1773	*	*	*	*	*	29150	745	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	*	*	*	*	20101	710	-
Beetroot	-	-	-	-	-	-	*	*	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	*	*	*	-	-	-	2791	17	-
Potatoes	*	*	*	-	-	-	7009	*	-
Garlic	*	*	*	-	-	-	10265	103	-
Taro 'Godere'	-	-	-	-	-	-	*	*	-
Sweet potatoes	-	-	-	*	*	*	5671	84	-
Other Temporary	*	*	*	-	-	-	22450	343	-
Permanent crops							22091	242	
Avocado							*	*	
Bananas							5349	56	
Guava							*	*	
Lemons							2864	8	
Mangoes							15739	130	
Oranges							*	*	
Papayas							7007	18	
Pineapples							-	-	
Stimulant							11889	*	
Chat							2486	*	
Coffee							*	*	
Hops / 'Gesho'							5865	30	
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
All	8108	3095	1076	11754	7860	8533	636	28967	23363
Cereals	7095	3059	1047	10764	7817	*	*	26852	18326
Teff	*	*	*	*	*	*	*	7917	4864
Barley	-	-	-	-	-	-	-	*	*
Wheat	*	*	*	*	*	-	-	*	*
Maize	6558	2865	965	1428	421	*	*	18978	8350
Sorghum	-	-	-	*	-	-	-	*	*
Finger millet	*	*	*	6910	4999	-	-	4622	3854
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	*	*
Pulses	-	-	-	*	*	-	-	4838	*
Horse / Faba beans	-	-	-	*	*	-	-	1968	*
Field Peas	-	-	-	-	-	-	-	*	*
Haricot beans	-	-	-	-	-	-	-	*	*
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	*	*
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	*	*
Oilseeds	*	-	*	*	*	*	*	5403	*
Neug	-	-	-	-	-	*	*	*	*
Linseed	-	-	-	*	*	-	-	*	*
Groundnuts	*	-	*	-	-	-	-	*	*
Safflower	-	-	-	*	*	-	-	*	*
Sesame	-	-	-	-	-	-	-	*	*
Rapeseed	-	-	-	-	-	-	-	*	*
Vegetables	*	*	-	-	-	*	59	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	-	-	*	*	*	*
Ethiopian cabbage	-	-	-	-	-	*	*	-	-
Tomatoes	-	-	-	-	-	*	*	-	-
Green peppers	-	-	-	-	-	*	*	-	-
Red peppers	*	*	-	-	-	*	*	*	*
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	-	-	-	*	*	*	*
Beetroot	*	*	-	-	-	-	-	*	*
Carrot	*	*	-	-	-	-	-	*	*
Onion	*	*	-	-	-	*	*	*	*
Potatoes	-	-	-	-	-	-	-	*	*
Garlic	*	*	-	-	-	*	*	*	*
Taro 'Godere'	-	-	-	-	-	*	*	-	-
Sweet potatoes	*	*	-	-	-	-	-	*	*
Other Temporary	-	-	-	-	-	*	*	*	*
Permanent crops				*	*	*	*	*	*
Avocado				-	-	-	-	-	-
Bananas				*	*	*	*	-	-
Guava				-	-	-	-	-	-
Lemons				-	-	*	*	-	-
Mangoes				-	-	*	*	*	*
Oranges				-	-	-	-	*	*
Papayas				-	-	*	*	*	*
Pineapples				-	-	-	-	-	-
Stimulant	*	*	-	*	*	*	*	-	-
Chat				*	*	*	*	-	-
Coffee	*	*	-	-	-	*	*	-	-
Hops / 'Gesho'				-	-	*	*	-	-
Enset				-	-	-	-		
Sugar cane				-	-	*	*	-	-
Other permanent				-	-	*	*	-	-

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

Asosa

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	60515	12632	2759	36046	7553	7772	2813	*
Cereals	43842	9078	1537	31297	5896	6783	2166	*
Teff	2774	1524	*	1004	91	*	*	*
Barley	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-
Maize	14940	5043	1077	30045	3743	3591	*	*
Sorghum	23698	2183	*	10323	2004	*	*	*
Finger millet	2417	*	*	*	*	*	*	*
Oats / 'Aja'	*	-	-	-	-	-	-	-
Rice	*	-	-	-	-	-	-	-
Pulses	3852	674	294	2381	72	*	*	*
Horse / Faba beans	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-
Haricot beans	*	*	-	*	*	-	-	-
Chick peas	519	*	*	*	*	*	*	*
Lentils	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	2139	590	*	651	*	*	*	*
Fenugreek	*	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	8279	755	*	3987	*	*	*	*
Neug	5475	*	*	*	*	*	*	*
Linseed	291	*	*	*	*	*	*	*
Groundnuts	899	*	*	*	*	*	*	*
Safflower	*	-	-	-	-	-	-	-
Sesame	1590	*	*	*	*	-	-	-
Rapeseed	*	-	-	-	-	-	-	-
Vegetables	*	*	*	14318	*	*	*	*
Lettuce	*	*	-	*	*	-	-	-
Head cabbage	8	2	*	990	2	*	*	*
Ethiopian cabbage	*	*	-	1246	*	-	-	-
Tomatoes	*	-	-	-	-	-	-	-
Green peppers	*	*	-	*	*	-	-	-
Red peppers	*	*	*	13137	*	*	*	*
Swiss chard	*	*	-	*	*	-	-	-
Root crops	310	157	*	9350	110	*	*	*
Beetroot	2	2	-	1175	2	-	-	-
Carrot	*	*	-	*	*	-	-	-
Onion	*	*	*	*	*	*	*	*
Potatoes	*	*	-	*	*	-	-	-
Garlic	*	*	-	*	*	-	-	-
Taro 'Godere'	*	*	-	*	*	-	-	-
Sweet potatoes	236	128	*	6499	91	*	*	*
Other Temporary	1135	*	-	10766	*	-	-	-
Permanent crops	761	*		6610	37			
Avocado	*	*		*	*			
Bananas	215	*		3382	*			
Guava	*	*		*	*			
Lemons	23	*		*	*			
Mangoes	440	*		*	*			
Oranges	*	*		*	*			
Papayas	6	*		*	*			
Pineapples	-	-		-	-			
Stimulant	409	*		4772	49			
Chat	*	19		1771	19			
Coffee	161	28		2437	24			
Hops / 'Gesho'	15	*		*	*			
Enset	-	-		-	-			
Sugar cane	82	*		*	*			
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
All	3961	*	*	5709	1736	1608	100492	59152	13327
Cereals	889	*	*	3096	961	839	99478	42760	10730
Teff	*	*	*	*	*	*	14170	2774	755
Barley	-	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-	-
Maize	*	*	*	*	875	816	91635	13859	4076
Sorghum	-	-	-	-	-	-	78541	23698	5223
Finger millet	*	*	*	-	-	-	15026	2417	675
Oats / 'Aja'	-	-	-	-	-	-	*	*	*
Rice	-	-	-	-	-	-	*	*	*
Pulses	*	*	*	*	*	*	27426	3685	1320
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	-	11861	*	*
Chick peas	-	-	-	-	-	-	6420	502	171
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	*	*	*	*	*	*	14308	1988	719
Fenugreek	-	-	-	-	-	-	*	*	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	*	*	*	*	*	*	45348	8213	1277
Neug	-	-	-	-	-	-	21505	5475	698
Linseed	-	-	-	-	-	-	8967	291	67
Groundnuts	-	-	-	-	-	-	15608	833	317
Safflower	-	-	-	-	-	-	*	*	*
Sesame	*	*	*	*	*	*	16098	1590	192
Rapeseed	-	-	-	-	-	-	*	*	*
Vegetables	*	*	*	*	*	*	28044	*	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	-	-	-	-	-	-	1702	*	-
Ethiopian cabbage	-	-	-	-	-	-	3727	*	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	973	*	-
Red peppers	*	*	*	*	*	*	24414	*	-
Swiss chard	-	-	-	-	-	-	*	*	-
Root crops	*	*	*	*	*	*	21306	307	-
Beetroot	-	-	-	-	-	-	1005	*	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	-	-	-	*	*	*	4427	*	-
Potatoes	-	-	-	-	-	-	*	*	-
Garlic	-	-	-	-	-	-	1393	*	-
Taro 'Godere'	-	-	-	-	-	-	1338	*	-
Sweet potatoes	*	*	*	*	*	*	17013	236	-
Other Temporary	-	-	-	-	-	-	34999	1135	-
Permanent crops							47786	760	
Avocado							883	*	
Bananas							17354	215	
Guava							5221	*	
Lemons							3903	23	
Mangoes							35901	440	
Oranges							4310	*	
Papayas							3731	6	
Pineapples							-	-	
Stimulant							19436	367	
Chat							9239	*	
Coffee							13658	125	
Hops / 'Gesho'							3979	15	
Enset							-	-	
Sugar cane							4492	82	
Other permanent							2940	*	

(Table 1.6.2 Cont'd.)

Asosa

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	8959	1363	326	*	*	*	*	7699	2797
Cereals	4736	1082	260	*	*	*	*	7004	2332
Teff	-	-	-	*	*	-	-	*	*
Barley	-	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-	-
Maize	4736	1082	260	*	*	*	*	4594	1116
Sorghum	-	-	-	*	*	-	-	*	*
Finger millet	-	-	-	-	-	-	-	*	*
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	1120	*	*	*	*	-	-	*	*
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	-	-	*	*
Chick peas	*	*	*	*	*	-	-	*	*
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	*	*	*	*	*	-	-	*	*
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	*	*	*	*	*	-	-	1223	194
Neug	-	-	-	*	*	-	-	*	*
Linseed	-	-	-	*	*	-	-	-	-
Groundnuts	*	*	*	-	-	-	-	*	*
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	*	*
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	*	*	-	*	*	-	-	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	-	-	-	-
Red peppers	-	-	-	*	*	-	-	*	*
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	-	-	-	-	-	*	*
Beetroot	*	*	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	*	*	-	-	-	-	-	*	*
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other Temporary	-	-	-	-	-	-	-	*	*
Permanent crops				-	-	*	*	*	*
Avocado				-	-	-	-	-	-
Bananas				-	-	*	*	-	-
Guava				-	-	*	*	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	-	-	*	*
Oranges				-	-	-	-	*	*
Papayas				-	-	-	-	-	-
Pineapples				-	-	-	-	-	-
Stimulant	*	*	-	-	-	*	*	*	*
Chat				-	-	*	*	-	-
Coffee	*	*	-	-	-	*	*	*	*
Hops / 'Gesho'				-	-	*	*	*	*
Enset				-	-	-	-		
Sugar cane				-	-	*	*	-	-
Other permanent				-	-	-	-	-	-

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

Kemashi

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	32465	1932	*	4999	834	*	*	*
Cereals	20872	1712	*	4365	707	*	*	*
Teff	687	*	*	*	*	*	*	*
Barley	*	*	-	*	*	-	-	-
Wheat	*	*	-	*	*	-	-	-
Maize	8720	1443	*	4161	673	*	*	*
Sorghum	11037	*	-	293	*	-	-	-
Finger millet	393	*	-	*	*	-	-	-
Oats / 'Aja'	*	*	-	*	*	-	-	-
Rice	-	-	-	-	-	-	-	-
Pulses	3558	29	-	1025	29	-	-	-
Horse / Faba beans	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-
Haricot beans	1235	29	-	1025	29	-	-	-
Chick peas	*	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	*	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Gibto	*	-	-	-	-	-	-	-
Oilseeds	7021	*	*	672	32	*	*	*
Neug	250	*	-	*	*	-	-	-
Linseed	*	*	-	*	*	-	-	-
Groundnuts	*	*	-	*	*	-	-	-
Safflower	*	*	-	*	*	-	-	-
Sesame	6608	*	*	*	*	*	*	*
Rapeseed	-	-	-	-	-	-	-	-
Vegetables	*	63	*	1314	21	-	-	-
Lettuce	*	-	-	-	-	-	-	-
Head cabbage	*	*	-	*	*	-	-	-
Ethiopian cabbage	*	*	-	*	*	-	-	-
Tomatoes	*	-	-	-	-	-	-	-
Green peppers	*	*	-	*	*	-	-	-
Red peppers	*	62	*	1039	20	-	-	-
Swiss chard	*	-	-	-	-	-	-	-
Root crops	73	23	*	1304	20	-	-	-
Beetroot	*	*	-	*	*	-	-	-
Carrot	1	*	-	*	*	-	-	-
Onion	*	*	*	442	1	-	-	-
Potatoes	*	*	-	*	*	-	-	-
Garlic	*	*	-	*	*	-	-	-
Taro 'Godere'	*	*	-	*	*	-	-	-
Sweet potatoes	56	19	-	927	19	-	-	-
Other Temporary	158	25	*	1195	23	-	-	-
Permanent crops	48	*		*	*			
Avocado	-	-		-	-			
Bananas	21	-		-	-			
Guava	*	-		-	-			
Lemons	*	-		-	-			
Mangoes	20	*		*	*			
Oranges	*	*		*	*			
Papayas	*	*		*	*			
Pineapples	-	-		-	-			
Stimulant	*	-		-	-			
Chat	*	-		-	-			
Coffee	*	-		-	-			
Hops / 'Gesho'	-	-		-	-			
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
All	688	*	*	1007	*	*	22013	31733	6971
Cereals	*	*	*	803	*	*	21793	20142	4180
Teff	*	*	*	*	*	*	2165	687	239
Barley	-	-	-	-	-	-	*	*	*
Wheat	-	-	-	-	-	-	*	*	*
Maize	*	*	*	*	*	*	19763	7990	1991
Sorghum	-	-	-	-	-	-	17125	11037	1867
Finger millet	-	-	-	-	-	-	1748	393	68
Oats / 'Aja'	-	-	-	-	-	-	*	*	*
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	-	-	-	9682	3558	*
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	-	9011	1235	308
Chick peas	-	-	-	-	-	-	*	*	*
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	*	*	*
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	*	*	*
Oilseeds	*	*	*	-	-	-	13147	7021	757
Neug	-	-	-	-	-	-	2892	250	39
Linseed	-	-	-	-	-	-	*	*	*
Groundnuts	-	-	-	-	-	-	2274	*	*
Safflower	-	-	-	-	-	-	*	*	*
Sesame	*	*	*	-	-	-	11898	6608	650
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	*	*	*	*	*	*	7765	*	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	-	-	-	-	-	-	379	*	-
Ethiopian cabbage	-	-	-	-	-	-	*	*	-
Tomatoes	-	-	-	-	-	-	166	*	-
Green peppers	-	-	-	-	-	-	*	*	-
Red peppers	*	*	*	*	*	*	5682	*	-
Swiss chard	-	-	-	-	-	-	*	*	-
Root crops	*	*	*	*	*	*	5986	73	-
Beetroot	-	-	-	-	-	-	*	*	-
Carrot	-	-	-	-	-	-	677	1	-
Onion	*	*	*	*	*	*	1780	*	-
Potatoes	-	-	-	-	-	-	209	*	-
Garlic	-	-	-	-	-	-	495	*	-
Taro 'Godere'	-	-	-	-	-	-	*	*	-
Sweet potatoes	-	-	-	-	-	-	4313	56	-
Other Temporary	*	*	*	-	-	-	7351	158	-
Permanent crops							3974	48	
Avocado							-	-	
Bananas							1549	21	
Guava							*	*	
Lemons							370	*	
Mangoes							2198	20	
Oranges							221	*	
Papayas							*	*	
Pineapples							-	-	
Stimulant							*	*	
Chat							*	*	
Coffee							*	*	
Hops / 'Gesho'							-	-	
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
All	*	*	*	*	*	*	*	772	*
Cereals	*	*	*	-	-	*	*	728	*
Teff	-	-	-	-	-	-	-	*	*
Barley	-	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-	-
Maize	*	*	*	-	-	*	*	*	*
Sorghum	-	-	-	-	-	*	*	-	-
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	-	-	*	*	-	-
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	*	*	-	-
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	*	*
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	*	*	-	*	*	-	-	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	-	-	-	-
Red peppers	*	*	-	*	*	-	-	*	*
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	-	-	-	-	-	-	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	*	*	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other Temporary	-	-	-	-	-	-	-	-	-
Permanent crops				-	-	-	-	-	-
Avocado				-	-	-	-	-	-
Bananas				-	-	-	-	-	-
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	-	-	-	-
Oranges				-	-	-	-	-	-
Papayas				-	-	-	-	-	-
Pineapples				-	-	-	-	-	-
Stimulant	-	-	-	-	-	-	-	-	-
Chat				-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-	-
Hops / 'Gesho'				-	-	-	-	-	-
Enset				-	-	-	-		
Sugar cane				-	-	-	-	-	-
Other permanent				-	-	-	-	-	-

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

Mao-Komo Special

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	10820	777	193	4039	565	*	*	*
Cereals	7239	639	178	3512	439	*	*	*
Teff	368	-	-	-	-	-	-	-
Barley	72	-	-	-	-	-	-	-
Wheat	121	*	*	-	-	-	-	-
Maize	3568	612	167	3512	427	*	*	*
Sorghum	2453	*	-	*	*	-	-	-
Finger millet	651	-	-	-	-	-	-	-
Oats / 'Aja'	*	-	-	-	-	-	-	-
Rice	*	-	-	-	-	-	-	-
Pulses	392	*	*	219	*	-	-	-
Horse / Faba beans	28	-	-	-	-	-	-	-
Field Peas	*	-	-	-	-	-	-	-
Haricot beans	303	*	*	219	*	-	-	-
Chick peas	22	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	27	-	-	-	-	-	-	-
Fenugreek	*	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	1439	22	*	525	15	*	*	*
Neug	636	-	-	-	-	-	-	-
Linseed	142	-	-	-	-	-	-	-
Groundnuts	144	*	-	221	*	-	-	-
Safflower	*	-	-	-	-	-	-	-
Sesame	480	-	-	-	-	-	-	-
Rapeseed	*	*	*	*	*	*	*	*
Vegetables	68	4	-	585	4	-	-	-
Lettuce	*	-	-	-	-	-	-	-
Head cabbage	*	-	-	-	-	-	-	-
Ethiopian cabbage	*	*	-	*	*	-	-	-
Tomatoes	1	*	-	*	*	-	-	-
Green peppers	*	*	-	*	*	-	-	-
Red peppers	27	*	-	*	*	-	-	-
Swiss chard	*	-	-	-	-	-	-	-
Root crops	141	18	-	1015	18	-	-	-
Beetroot	*	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	34	-	-	-	-	-	-	-
Potatoes	*	-	-	-	-	-	-	-
Garlic	*	*	-	*	*	-	-	-
Taro 'Godere'	26	*	-	*	*	-	-	-
Sweet potatoes	79	*	-	673	*	-	-	-
Other Temporary	315	65	*	2791	65	-	-	-
Permanent crops	140	12		794	12			
Avocado	*	-		-	-			
Bananas	49	*		*	*			
Guava	-	-		-	-			
Lemons	*	-		-	-			
Mangoes	62	*		*	*			
Oranges	26	*		*	*			
Papayas	2	*		*	*			
Pineapples	-	-		-	-			
Stimulant	1051	*		*	*			
Chat	584	*		*	*			
Coffee	467	*		361	*			
Hops / 'Gesho'	-	-		-	-			
Enset	5	*		*	*			
Sugar cane	*	-		-	-			
Other permanent	*	*		*	*			

(Table 1.6.4 cont'd.)

Mao-Komo Special

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	*	*	*	588	119	148	16404	10546	2216
Cereals	*	*	*	588	115	140	15590	6993	1796
Teff	-	-	-	-	-	-	2541	368	108
Barley	-	-	-	-	-	-	1228	72	62
Wheat	-	-	-	*	*	*	1177	112	75
Maize	*	*	*	520	100	130	15109	3335	871
Sorghum	-	-	-	-	-	-	10842	2453	502
Finger millet	-	-	-	-	-	-	4526	651	177
Oats / 'Aja'	-	-	-	-	-	-	*	*	*
Rice	-	-	-	-	-	-	*	*	*
Pulses	-	-	-	*	*	*	6055	376	145
Horse / Faba beans	-	-	-	-	-	-	641	28	24
Field Peas	-	-	-	-	-	-	352	*	*
Haricot beans	-	-	-	*	*	*	4738	303	104
Chick peas	-	-	-	-	-	-	495	15	6
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	609	19	5
Fenugreek	-	-	-	-	-	-	*	*	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	*	*	*	*	*	*	9496	1436	275
Neug	-	-	-	-	-	-	4024	636	101
Linseed	-	-	-	-	-	-	4242	142	34
Groundnuts	-	-	-	-	-	-	3498	142	68
Safflower	-	-	-	-	-	-	*	*	*
Sesame	-	-	-	-	-	-	2916	480	68
Rapeseed	*	*	*	*	*	*	995	*	*
Vegetables	-	-	-	-	-	-	4225	68	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	-	-	-	-	-	-	*	*	-
Ethiopian cabbage	-	-	-	-	-	-	1848	*	-
Tomatoes	-	-	-	-	-	-	405	1	-
Green peppers	-	-	-	-	-	-	1254	*	-
Red peppers	-	-	-	-	-	-	1518	27	-
Swiss chard	-	-	-	-	-	-	*	*	-
Root crops	-	-	-	-	-	-	7996	141	-
Beetroot	-	-	-	-	-	-	*	*	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	1455	34	-
Potatoes	-	-	-	-	-	-	*	*	-
Garlic	-	-	-	-	-	-	256	*	-
Taro 'Godere'	-	-	-	-	-	-	2335	26	-
Sweet potatoes	-	-	-	-	-	-	5979	79	-
Other Temporary	*	*	*	-	-	-	12726	315	-
Permanent crops							6454	140	
Avocado							*	*	
Bananas							3719	49	
Guava							-	-	
Lemons							159	*	
Mangoes							3019	62	
Oranges							2660	26	
Papayas							780	2	
Pineapples							-	-	
Stimulant							7499	1042	
Chat							6034	577	
Coffee							4992	465	
Hops / 'Gesho'							-	-	
Enset							694	5	
Sugar cane							325	*	
Other permanent							203	*	

(Table 1.6.4 Cont'd.)

Mao-Komo Special

	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
Crop type	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	1697	274	61	527	74	*	*	1739	308
Cereals	1278	246	54	461	68	-	-	1360	265
Teff	-	-	-	*	*	-	-	-	-
Barley	-	-	-	-	-	-	-	-	-
Wheat	*	*	*	*	*	-	-	*	*
Maize	1130	233	42	*	*	-	-	1156	220
Sorghum	-	-	-	*	*	-	-	*	*
Finger millet	-	-	-	*	*	-	-	*	*
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	*	*	*	*	*	-	-	*	*
Pulses	*	*	*	-	-	-	-	*	*
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	-	-	-	-
Chick peas	*	*	*	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	*	*	*	-	-	-	-	*	*
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	*	*	*	*	*	-	-	248	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	*	*	-	-	-	-
Groundnuts	*	*	*	-	-	-	-	*	*
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	*	*
Rapeseed	-	-	-	-	-	-	-	*	*
Vegetables	-	-	-	-	-	-	-	-	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	-	-	-	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	-	-	-	-	-	-	-	*	*
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	*	*
Other Temporary	-	-	-	-	-	*	*	237	*
Permanent crops				-	-	-	-	*	*
Avocado				-	-	-	-	-	-
Bananas				-	-	-	-	-	-
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	-	-	*	*
Oranges				-	-	-	-	-	-
Papayas				-	-	-	-	-	-
Pineapples				-	-	-	-	-	-
Stimulant	136	*	-	*	*	*	*	-	-
Chat				*	*	-	-	-	-
Coffee	*	*	-	-	-	*	*	-	-
Hops / 'Gesho'				-	-	-	-	-	-
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
All	1712722	931685	577239	2834812	417761	1174330	293101	262401
Cereals	866341	479965	445916	985367	70375	977679	228038	202528
Teff	202376	127717	106337	21810	2039	333109	73303	54147
Barley	82040	46807	31055	229875	18435	235149	20327	20450
Wheat	138351	117717	136752	103254	8790	325080	61754	68468
Maize	305205	165005	160562	703174	32398	407182	62901	52774
Sorghum	131517	19938	9711	163672	8418	76324	7712	5612
Finger millet	4873	2654	1467	9019	222	22901	1988	1046
Oats / ‘Aja’	505	117	*	4973	67	*	*	*
Rice	*	*	*	*	*	*	*	*
Pulses	219357	84692	57457	781212	29298	483309	44996	38994
Horse / Faba beans	72520	29083	17377	335957	11191	180135	15752	14735
Field Peas	52125	12851	8330	111796	4145	91384	6657	5295
Haricot beans	86979	40627	30929	436332	12835	265269	21804	18456
Chick peas	5896	1477	458	16056	835	6399	546	344
Lentils	685	242	112	6984	111	4253	103	67
Vetch / Grass peas	*	*	*	*	*	*	*	*
Soya beans	144	*	*	*	*	*	*	*
Fenugreek	307	179	98	20756	72	2450	*	*
Gibto	*	*	-	*	*	-	-	-
Oilseeds	6885	1442	400	50550	809	9587	*	238
Neug	*	*	*	*	*	-	-	-
Linseed	1224	280	126	14409	110	3894	88	*
Groundnuts	547	*	*	2832	*	*	*	*
Safflower	190	41	*	*	*	*	*	*
Sesame	*	*	*	*	*	*	*	*
Rapeseed	1266	593	113	31849	485	2864	*	*
Vegetables	45967	39422	33558	1714853	20953	91468	5231	6128
Lettuce	10	9	*	4351	7	-	-	-
Head cabbage	774	545	*	69833	338	3711	*	*
Ethiopian cabbage	22999	19471	1114	1640551	18662	43803	461	537
Tomatoes	812	522	*	21608	286	*	*	*
Green peppers	1277	753	*	167478	640	*	*	*
Red peppers	20062	18102	31571	58490	1002	44276	4630	5421
Swiss chard	33	19	*	10121	19	-	-	-
Root crops	74940	39482	9456	1127238	32648	159385	4663	4675
Beetroot	465	265	*	69154	224	2279	5	5
Carrot	173	76	*	34787	62	*	*	*
Onion	1411	965	*	79051	*	3731	*	*
Potatoes	11843	10727	7045	228406	5731	126018	3798	3786
Garlic	1143	867	66	129966	822	3885	32	44
Taro ‘Godere’	35688	16588	831	656395	15971	6401	115	125
Sweet potatoes	24217	9994	702	377684	9315	27207	571	543
Other Temporary	49325	24243	10382	1097284	17087	30486	869	949
Permanent crops	34300	12034		966681	10796			
Avocado	6001	2931		473173	2862			
Bananas	22770	7376		625762	6385			
Guava	197	77		22093	77			
Lemons	141	69		17666	53			
Mangoes	3376	825		162228	761			
Oranges	630	390		76639	328			
Papayas	1040	352		102820	315			
Pineapples	145	14		5098	14			
Stimulant	176961	69946		1540074	59539			
Chat	35593	19519		403679	15026			
Coffee	140093	49988		1374743	44093			
Hops / ‘Gesho’	1275	438		77133	420			
Enset	223962	174533		2470905	172360			
Sugar cane	12014	4823		276032	3098			
Other permanent	2670	1103		235239	797			

(Table 1.7.cont'd.)

S.N.N.P. Region

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	146525	19668	21620	655788	201155	293217	3650044	1596877	762333
Cereals	63096	9223	6147	590127	172329	237241	2576262	755521	581158
Teff	22825	4695	2251	185686	47680	49938	868364	196604	91972
Barley	9311	543	*	57996	7503	9847	768102	81685	114179
Wheat	11057	1509	1262	199128	45664	67022	678529	131063	244211
Maize	22847	1937	1618	346035	67770	106170	1465927	207836	95910
Sorghum	6069	535	255	38003	3273	3845	788999	131511	30731
Finger millet	*	*	*	*	439	*	68314	4842	1787
Oats / 'Aja'	-	-	-	-	-	-	14965	505	376
Rice	-	-	-	-	-	-	6450	*	*
Pulses	19007	1173	823	147637	9225	17640	2013670	218196	179301
Horse / Faba beans	2824	*	120	26310	1951	2521	892955	72208	77322
Field Peas	3249	*	89	24001	1851	2946	462376	52112	35832
Haricot beans	11931	768	*	102904	5220	11882	1153256	86148	60466
Chick peas	*	*	*	*	*	*	52132	5891	4450
Lentils	-	-	-	*	*	*	23670	685	417
Vetch / Grass peas	-	-	-	-	-	-	6754	*	*
Soya beans	-	-	-	*	*	*	6717	144	59
Fenugreek	*	*	*	1568	*	*	36277	307	112
Gibto	-	-	-	-	-	-	1666	*	*
Oilseeds	*	*	*	3228	97	131	149787	6854	1874
Neug	-	-	-	*	*	*	*	*	*
Linseed	*	*	*	1371	*	*	61375	1223	566
Groundnuts	-	-	-	*	*	*	12870	547	168
Safflower	-	-	-	*	*	*	8020	190	33
Sesame	-	-	-	-	-	-	8199	*	*
Rapeseed	*	*	*	*	*	*	54535	1266	152
Vegetables	24745	1559	*	103956	11679	23639	2170206	45852	-
Lettuce	-	-	-	*	*	*	5914	10	-
Head cabbage	*	*	*	5405	*	*	89527	741	-
Ethiopian cabbage	9598	92	112	23889	256	464	1994637	22972	-
Tomatoes	*	*	*	*	*	*	37966	784	-
Green peppers	*	*	*	*	*	*	253107	1275	-
Red peppers	14923	1426	*	77151	11045	22527	235088	20049	-
Swiss chard	-	-	-	*	*	*	10593	20	-
Root crops	22535	670	851	44402	1501	3931	1893286	74768	-
Beetroot	*	*	*	*	*	*	96198	449	-
Carrot	-	-	-	*	*	*	45056	164	-
Onion	*	*	*	3744	*	*	132570	1408	-
Potatoes	*	*	*	28889	1154	3228	415145	11804	-
Garlic	*	*	*	*	*	*	190748	1141	-
Taro 'Godere'	13654	402	575	3279	*	131	1070651	35622	-
Sweet potatoes	*	*	*	7580	76	140	765172	24181	-
Other Temporary	40212	4738	6383	30802	1549	3050	1692834	49270	-
Permanent crops							1710105	34204	
Avocado							817686	5965	
Bananas							1194913	22722	
Guava							58427	196	
Lemons							45258	141	
Mangoes							381967	3370	
Oranges							136865	630	
Papayas							228885	1036	
Pineapples							23818	145	
Stimulant							2364246	173767	
Chat							753955	35393	
Coffee							2129535	137099	
Hops / 'Gesho'							177556	1275	
Enset							3055483	223796	
Sugar cane							622128	12014	
Other permanent							500757	2635	

(Table 1.7 Cont'd.)

S.N.N.P. Region

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	604198	115845	47795	629392	212819	84813	24886	649903	178656
Cereals	524459	110820	47039	584019	204686	30412	9350	585194	157864
Teff	26275	5772	2330	328747	87697	4155	*	147277	38415
Barley	2994	*	*	99671	10192	*	*	35351	2866
Wheat	44043	7289	13250	327971	87052	*	*	108006	18373
Maize	473989	97368	30426	23751	5082	27075	7264	396556	91214
Sorghum	*	*	*	43851	13356	4644	*	59232	6753
Finger millet	*	*	*	13807	1277	-	-	2041	*
Oats / 'Aja'	-	-	-	*	*	-	-	*	*
Rice	-	-	-	-	-	-	-	*	*
Pulses	13392	1162	726	23661	2804	13595	*	133931	10997
Horse / Faba beans	1449	*	*	14188	1397	*	*	22154	2175
Field Peas	*	*	*	8114	1050	*	*	10345	520
Haricot beans	11342	831	552	2080	145	11621	*	104403	8119
Chick peas	*	*	*	*	*	*	*	*	*
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	*	*
Soya beans	-	-	-	-	-	-	-	*	*
Fenugreek	-	-	-	*	*	*	*	*	*
Gibto	-	-	-	*	*	-	-	-	-
Oilseeds	*	*	*	2559	*	*	*	5077	158
Neug	*	*	*	-	-	-	-	*	*
Linseed	*	*	*	2559	*	*	*	*	*
Groundnuts	-	-	-	-	-	-	-	*	*
Safflower	-	-	-	-	-	-	-	*	*
Sesame	*	*	*	-	-	-	-	*	*
Rapeseed	-	-	-	-	-	-	-	2423	*
Vegetables	15994	114	-	19237	1495	18408	417	36775	1363
Lettuce	*	*	-	*	*	-	-	-	-
Head cabbage	10015	33	-	*	*	*	*	5238	*
Ethiopian cabbage	*	*	-	6109	52	11602	139	20414	240
Tomatoes	*	*	-	*	*	4033	*	*	*
Green peppers	*	*	-	*	*	1876	*	*	*
Red peppers	*	*	-	10721	1379	*	*	11058	*
Swiss chard	*	*	-	-	-	*	*	*	*
Root crops	25886	172	-	31357	1510	23062	*	66187	2096
Beetroot	8079	17	-	*	*	*	*	3056	*
Carrot	8933	9	-	*	*	*	*	*	*
Onion	2151	3	-	*	*	5536	*	4833	*
Potatoes	1911	39	-	26561	1475	*	*	33678	1018
Garlic	*	*	-	*	*	*	*	1684	*
Taro 'Godere'	3104	*	-	1238	*	2879	*	16477	*
Sweet potatoes	4973	35	-	*	*	12370	*	11094	*
Other Temporary	5074	55	-	3316	*	20582	*	40273	2351
Permanent crops				1793	6	40078	*	15592	*
Avocado				*	*	13488	112	2891	31
Bananas				*	*	31711	*	10516	*
Guava				-	-	*	*	-	-
Lemons				-	-	5227	23	*	*
Mangoes				*	*	12350	*	1590	*
Oranges				*	*	*	*	*	*
Papayas				*	*	9238	66	*	*
Pineapples				-	-	-	-	*	*
Stimulant	45396	3194	-	23834	985	46987	*	44469	2279
Chat				18399	805	*	*	15762	*
Coffee	42693	2994	-	6535	180	36102	1082	37665	1701
Hops / 'Gesho'				*	*	*	*	-	-
Enset				10124	*	*	854		
Sugar cane				*	*	12072	*	6843	*
Other permanent				1759	*	*	*	2271	63

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
All	153422	126527	97359	278490	49581	130013	34392	31655
Cereals	95999	78661	81257	120601	9007	125388	32493	29392
Teff	33180	27773	24749	5048	*	35336	13213	9883
Barley	13425	12628	12522	39451	*	65381	6376	6690
Wheat	17202	15486	16564	9778	516	52285	*	*
Maize	27059	22142	27074	73874	5239	20907	3642	3642
Sorghum	*	608	*	8616	*	2277	*	116
Finger millet	*	-	-	-	-	-	-	-
Oats / 'Aja'	*	*	-	*	*	-	-	-
Rice	*	*	-	*	*	-	-	-
Pulses	12019	6452	*	91328	3966	16111	1408	*
Horse / Faba beans	4974	3822	*	85314	3212	5047	218	176
Field Peas	3010	*	*	9996	*	10029	*	*
Haricot beans	798	386	*	10521	319	*	*	*
Chick peas	*	*	*	*	*	*	*	*
Lentils	*	*	*	*	*	-	-	-
Vetch / Grass peas	*	*	*	-	-	*	*	*
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	*	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	*	*	*	*	*	*	*	*
Neug	*	-	-	-	-	-	-	-
Linseed	*	*	-	*	*	-	-	-
Groundnuts	-	-	-	-	-	-	-	-
Safflower	*	*	-	*	*	-	-	-
Sesame	-	-	-	-	-	-	-	-
Rapeseed	*	*	*	*	*	*	*	*
Vegetables	7525	7301	*	186120	3324	*	*	*
Lettuce	*	*	-	*	*	-	-	-
Head cabbage	95	94	*	25243	*	*	*	*
Ethiopian cabbage	3156	3026	*	179682	2994	*	*	*
Tomatoes	*	*	*	*	*	*	*	*
Green peppers	16	15	-	9476	15	-	-	-
Red peppers	*	*	*	*	*	*	*	*
Swiss chard	15	15	-	7932	15	-	-	-
Root crops	2436	2391	967	100141	*	9423	*	*
Beetroot	10	8	-	7973	8	-	-	-
Carrot	*	*	-	15838	*	-	-	-
Onion	*	*	*	*	*	*	*	*
Potatoes	*	*	250	24688	*	*	*	*
Garlic	*	*	*	38043	*	*	*	*
Taro 'Godere'	521	501	*	38999	500	*	*	*
Sweet potatoes	*	*	-	*	*	-	-	-
Other Temporary	488	389	*	47276	298	*	*	*
Permanent crops	857	763		91012	749			
Avocado	288	237		56298	236			
Bananas	197	184		29799	179			
Guava	*	*		4326	*			
Lemons	32	32		9234	32			
Mangoes	53	44		12102	44			
Oranges	196	180		30232	172			
Papayas	63	58		20163	57			
Pineapples	*	*		*	*			
Stimulant	8928	8040		151075	7921			
Chat	4840	4273		90014	4233			
Coffee	3721	3586		120088	3511			
Hops / 'Gesho'	367	181		27819	177			
Enset	22592	22173		239734	22125			
Sugar cane	*	*		14982	*			
Other permanent	158	129		39105	129			

(Table 1.7.1 cont'd.)

Gurage

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	26348	5151	*	87797	37403	59538	304548	132432	92237
Cereals	19010	3740	2382	83117	33420	49483	244039	75153	75901
Teff	10025	*	1324	28670	11262	13542	80671	31518	10477
Barley	2534	*	61	21726	*	*	108280	13171	26122
Wheat	4987	652	343	26481	5239	7160	96004	15918	32523
Maize	*	*	*	37333	*	22820	97814	9414	5404
Sorghum	*	*	*	*	*	*	30272	*	1303
Finger millet	-	-	-	-	-	-	*	*	*
Oats / 'Aja'	-	-	-	-	-	-	*	*	*
Rice	-	-	-	-	-	-	*	*	*
Pulses	3944	*	137	*	*	*	132565	12019	15573
Horse / Faba beans	*	*	*	1958	*	*	114245	4974	6842
Field Peas	*	*	*	*	*	*	28798	3010	*
Haricot beans	*	*	*	*	*	*	20595	798	469
Chick peas	-	-	-	-	-	-	11166	*	*
Lentils	-	-	-	*	*	*	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	*	*	*
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	*	*	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	*	*	*	-	-	-	18029	*	*
Neug	-	-	-	-	-	-	*	*	*
Linseed	-	-	-	-	-	-	*	*	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	*	*	*
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	*	*	*	-	-	-	*	*	*
Vegetables	*	*	*	*	*	*	206297	7512	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	-	-	-	*	*	*	24697	89	-
Ethiopian cabbage	*	*	*	-	-	-	187683	3151	-
Tomatoes	*	*	*	*	*	*	*	*	-
Green peppers	-	-	-	-	-	-	10656	15	-
Red peppers	*	*	*	*	*	*	*	*	-
Swiss chard	-	-	-	-	-	-	7581	14	-
Root crops	*	*	*	9187	*	531	119246	2412	-
Beetroot	-	-	-	-	-	-	8766	9	-
Carrot	-	-	-	-	-	-	17890	*	-
Onion	*	*	*	*	*	*	22001	*	-
Potatoes	-	-	-	*	*	*	40490	*	-
Garlic	*	*	*	*	*	*	41525	*	-
Taro 'Godere'	-	-	-	-	-	-	39766	499	-
Sweet potatoes	-	-	-	-	-	-	*	*	-
Other Temporary	-	-	-	*	*	*	61727	488	-
Permanent crops							103529	844	
Avocado							65197	277	
Bananas							33410	197	
Guava							4326	*	
Lemons							9234	32	
Mangoes							12427	53	
Oranges							33625	196	
Papayas							21770	62	
Pineapples							*	*	
Stimulant							158069	8893	
Chat							99797	4839	
Coffee							120023	3687	
Hops / 'Gesho'							34398	367	
Enset							243173	22543	
Sugar cane							16554	*	
Other permanent							50995	147	

(Table 1.7.1 Cont'd.)

Gurage

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	72564	20990	8453	63326	31648	*	*	88715	30271
Cereals	62357	20846	8453	57490	30813	*	*	78291	29342
Teff	5925	1663	667	40622	17884	-	-	21306	8012
Barley	*	*	*	4418	711	-	-	7734	757
Wheat	5856	*	*	28167	10590	-	-	12216	2946
Maize	56172	17645	4859	*	*	*	*	54465	17377
Sorghum	-	-	-	*	*	-	-	*	*
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	4901	775	*	*	5188	234
Horse / Faba beans	-	-	-	*	*	-	-	2640	138
Field Peas	-	-	-	*	*	-	-	*	*
Haricot beans	-	-	-	*	*	-	-	1781	*
Chick peas	-	-	-	*	*	*	*	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	*	*
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	*	*
Vegetables	*	*	-	1551	*	*	*	9545	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	-	-	*	*	*	*
Ethiopian cabbage	*	*	-	*	*	*	*	4101	*
Tomatoes	-	-	-	-	-	*	*	*	*
Green peppers	*	*	-	-	-	*	*	-	-
Red peppers	-	-	-	*	*	-	-	*	*
Swiss chard	*	*	-	-	-	-	-	*	*
Root crops	3343	*	-	1984	*	*	*	10198	*
Beetroot	*	*	-	-	-	-	-	*	*
Carrot	*	*	-	-	-	-	-	*	*
Onion	*	*	-	*	*	*	*	*	*
Potatoes	-	-	-	-	-	*	*	*	*
Garlic	*	*	-	*	*	-	-	*	*
Taro 'Godere'	*	*	-	*	*	-	-	*	*
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other Temporary	-	-	-	-	-	*	*	*	*
Permanent crops				-	-	*	*	1869	*
Avocado				-	-	*	*	*	*
Bananas				-	-	*	*	*	*
Guava				-	-	*	*	-	-
Lemons				-	-	*	*	*	*
Mangoes				-	-	-	-	-	-
Oranges				-	-	-	-	-	-
Papayas				-	-	*	*	*	*
Pineapples				-	-	-	-	-	-
Stimulant	*	*	-	*	*	*	*	*	*
Chat				*	*	-	-	*	*
Coffee	*	*	-	*	*	*	*	*	*
Hops / 'Gesho'				-	-	*	*	-	-
Enset				*	*	*	*		
Sugar cane				-	-	*	*	*	*
Other permanent				-	-	*	*	-	-

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

Hadiya

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	164242	149365	121836	282372	42062	205537	67896	70065
Cereals	107707	97715	101703	139801	8778	186825	53857	55783
Teff	30469	29220	25736	4049	187	73963	15045	11598
Barley	5231	5060	5493	4933	74	49829	4336	4762
Wheat	39702	39605	55108	4167	*	106103	24513	32101
Maize	24125	21652	14620	127084	6982	62571	9244	6789
Sorghum	7671	1871	686	33728	1210	9474	536	473
Finger millet	*	*	*	*	*	*	*	*
Oats / ‘Aja’	*	*	-	*	*	-	-	-
Rice	-	-	-	-	-	-	-	-
Pulses	16198	14719	13033	55401	2068	89338	11211	11166
Horse / Faba beans	9301	8785	8761	20022	480	66446	7680	7964
Field Peas	3171	2681	2225	*	*	22717	1984	1672
Haricot beans	3475	*	*	36508	1396	17032	*	*
Chick peas	*	*	*	*	*	*	*	*
Lentils	61	55	*	*	*	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	*	*	*	*	*	*	*	*
Gibto	-	-	-	-	-	-	-	-
Oilseeds	785	*	*	13228	*	2752	*	*
Neug	*	*	-	*	*	-	-	-
Linseed	227	*	*	-	-	*	*	*
Groundnuts	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Rapeseed	*	*	*	12823	*	*	*	*
Vegetables	5937	5725	2625	245519	3683	14162	635	*
Lettuce	*	*	-	*	*	-	-	-
Head cabbage	*	*	*	9428	*	*	*	*
Ethiopian cabbage	3127	3083	103	243618	2985	5432	81	*
Tomatoes	*	*	*	6826	*	-	-	-
Green peppers	*	*	-	18177	*	-	-	-
Red peppers	2466	2362	*	15718	418	9138	*	*
Swiss chard	*	*	-	*	*	-	-	-
Root crops	3734	3580	1019	105073	2529	25693	974	926
Beetroot	134	129	*	36811	128	*	*	*
Carrot	9	5	*	2963	*	*	*	*
Onion	7	6	-	5212	6	-	-	-
Potatoes	1336	1275	962	20675	291	24803	958	920
Garlic	*	*	-	5227	*	-	-	-
Taro ‘Godere’	2170	2108	*	46924	2044	*	*	*
Sweet potatoes	73	52	-	6880	52	-	-	-
Other Temporary	1929	1835	*	128348	1622	3618	*	*
Permanent crops	1868	1500		107545	1359			
Avocado	423	305		52525	305			
Bananas	1300	1078		76772	950			
Guava	*	*		*	*			
Lemons	*	*		1798	*			
Mangoes	75	*		11039	*			
Oranges	22	22		3929	22			
Papayas	36	32		8890	23			
Pineapples	-	-		-	-			
Stimulant	6386	4815		119593	3005			
Chat	775	613		34097	580			
Coffee	5576	4177		95922	2401			
Hops / ‘Gesho’	35	25		13572	24			
Enset	17891	17843		253784	17780			
Sugar cane	1461	917		45188	862			
Other permanent	*	*		33085	57			

(Table 1.7.2 cont'd.)

Hadiya

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	9134	1026	623	114574	38381	51148	289750	157628	143985
Cereals	5114	751	340	107981	34329	45580	268386	101220	123526
Teff	*	*	*	58604	13565	13987	132858	30038	14377
Barley	-	-	-	9240	650	730	66596	5231	9676
Wheat	*	*	*	57007	14803	22942	154570	39041	86311
Maize	*	*	*	28393	5191	7715	169596	18730	10951
Sorghum	*	*	*	*	120	*	102002	7671	2005
Finger millet	-	-	-	-	-	-	*	*	*
Oats / 'Aja'	-	-	-	-	-	-	*	*	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	*	9627	1429	1855	147889	16190	20350
Horse / Faba beans	-	-	-	3692	625	798	92108	9301	12894
Field Peas	-	-	-	4183	544	553	34919	3171	3228
Haricot beans	*	*	*	*	*	*	56894	*	*
Chick peas	-	-	-	-	-	-	1826	*	*
Lentils	-	-	-	-	-	-	3523	61	*
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	*	*	*	*	*	*	*	*	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	24465	785	109
Neug	-	-	-	-	-	-	*	*	-
Linseed	-	-	-	-	-	-	8514	227	79
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	16750	*	*
Vegetables	*	*	*	15010	1277	1772	253372	5916	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	-	-	-	-	-	-	11138	*	-
Ethiopian cabbage	*	*	*	2172	*	*	247127	3127	-
Tomatoes	*	*	*	-	-	-	10229	*	-
Green peppers	-	-	-	-	-	-	19469	*	-
Red peppers	*	*	*	14076	1264	1757	38737	2466	-
Swiss chard	-	-	-	-	-	-	*	*	-
Root crops	*	*	*	1782	*	*	127532	3731	-
Beetroot	-	-	-	-	-	-	40723	133	-
Carrot	-	-	-	-	-	-	5346	*	-
Onion	-	-	-	-	-	-	6810	7	-
Potatoes	-	-	-	*	*	*	44665	1336	-
Garlic	-	-	-	-	-	-	6398	*	-
Taro 'Godere'	*	*	*	*	*	*	49903	2170	-
Sweet potatoes	-	-	-	-	-	-	7766	73	-
Other Temporary	*	*	*	*	*	*	137526	1913	-
Permanent crops							142552	1831	
Avocado							74707	418	
Bananas							97129	1271	
Guava							3856	5	
Lemons							2217	*	
Mangoes							17498	75	
Oranges							3929	22	
Papayas							13970	36	
Pineapples							-	-	
Stimulant							150068	6345	
Chat							43725	775	
Coffee							123166	5535	
Hops / 'Gesho'							20025	35	
Enset							255478	17891	
Sugar cane							57943	1461	
Other permanent							46862	*	

(Table 1.7.2 Cont'd.)

Hadiya

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	43409	6613	3194	201897	69735	*	*	50307	15693
Cereals	35004	6488	3186	201061	68114	*	*	48559	14083
Teff	*	*	*	115937	27198	*	*	18478	5062
Barley	-	-	-	40447	3270	-	-	*	*
Wheat	4217	661	1420	144063	37313	-	-	12941	2217
Maize	30795	5395	1589	*	*	*	*	31921	6436
Sorghum	-	-	-	-	-	-	-	*	*
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	*	*	*	*	*	9890	*
Horse / Faba beans	-	-	-	*	*	-	-	5744	*
Field Peas	-	-	-	*	*	-	-	-	-
Haricot beans	*	*	*	-	-	-	-	*	*
Chick peas	-	-	-	*	*	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	*	*	*	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	*	*
Vegetables	*	*	-	*	*	*	*	2144	60
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	-	-	-	-	*	*
Ethiopian cabbage	-	-	-	*	*	-	-	*	*
Tomatoes	*	*	-	-	-	*	*	-	-
Green peppers	-	-	-	-	-	-	-	-	-
Red peppers	-	-	-	*	*	*	*	*	*
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	-	*	*	-	-	*	*
Beetroot	*	*	-	-	-	-	-	-	-
Carrot	*	*	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	-	-	-
Potatoes	-	-	-	*	*	-	-	-	-
Garlic	-	-	-	-	-	-	-	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other Temporary	*	*	-	-	-	-	-	2150	*
Permanent crops				-	-	-	-	*	*
Avocado				-	-	-	-	-	-
Bananas				-	-	-	-	*	*
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	-	-	-	-
Oranges				-	-	-	-	-	-
Papayas				-	-	-	-	-	-
Pineapples				-	-	-	-	-	-
Stimulant	1782	*	-	*	*	-	-	*	*
Chat				-	-	-	-	-	-
Coffee	1782	*	-	*	*	-	-	*	*
Hops / 'Gesho'				*	*	-	-	-	-
Enset				1829	*	-	-		
Sugar cane				-	-	-	-	-	-
Other permanent				*	*	-	-	-	-

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

Kembata-Tembaro

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	57885	52748	35138	135932	20856	90421	18709	17034
Cereals	28742	26553	25853	49328	2443	75204	13623	12006
Teff	8466	8425	8055	1872	*	31514	4254	3359
Barley	1141	1093	864	6829	132	13479	778	669
Wheat	13027	12914	14900	5451	204	40307	7325	6934
Maize	3096	2873	1746	26793	1177	13365	994	891
Sorghum	2881	1124	222	24403	830	3903	203	110
Finger millet	110	*	*	*	*	*	*	*
Oats / ‘Aja’	*	*	*	*	*	*	*	*
Rice	-	-	-	-	-	-	-	-
Pulses	6893	5801	4225	48577	1529	42296	3924	3720
Horse / Faba beans	4217	3926	3343	30749	885	32075	2766	2939
Field Peas	1680	1109	612	9108	206	12771	862	565
Haricot beans	940	718	265	22830	396	7806	293	215
Chick peas	*	*	-	*	*	-	-	-
Lentils	*	*	*	-	-	*	*	*
Vetch / Grass peas	*	*	-	*	*	-	-	-
Soya beans	*	*	-	*	*	-	-	-
Fenugreek	*	*	*	*	*	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	154	*	*	*	*	*	*	*
Neug	-	-	-	-	-	-	-	-
Linseed	103	*	*	*	*	*	*	*
Groundnuts	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Rapeseed	*	*	*	*	*	*	*	*
Vegetables	1734	1650	*	106487	1231	3479	*	*
Lettuce	*	*	*	-	-	-	-	-
Head cabbage	*	*	*	3601	*	*	*	*
Ethiopian cabbage	1132	1087	*	101800	1017	1303	*	*
Tomatoes	*	*	*	*	*	*	*	*
Green peppers	36	*	*	8153	*	-	-	-
Red peppers	*	*	*	3711	*	*	*	*
Swiss chard	-	-	-	-	-	-	-	-
Root crops	3647	3210	2203	69588	1586	25952	828	927
Beetroot	47	33	13	7618	23	870	*	*
Carrot	*	*	*	2059	*	*	*	*
Onion	9	9	*	1333	*	*	*	*
Potatoes	1684	1677	1989	20313	216	23835	789	887
Garlic	22	20	*	4192	12	*	*	*
Taro ‘Godere’	1702	1307	*	45546	1188	*	*	*
Sweet potatoes	153	139	*	14419	128	*	*	*
Other Temporary	2306	2141	1494	63370	1094	1920	*	*
Permanent crops	1770	1321		72218	1211			
Avocado	400	316		46721	308			
Bananas	1204	879		50926	779			
Guava	*	*		*	*			
Lemons	*	*		*	*			
Mangoes	121	87		19106	86			
Oranges	29	27		6153	26			
Papayas	10	8		3440	8			
Pineapples	-	-		-	-			
Stimulant	3437	3092		73100	2825			
Stimulant								
Chat	*	*		8254	*			
Coffee	2854	2583		70152	2361			
Hops / ‘Gesho’	38	22		6674	22			
Enset	8737	8633		129858	8623			
Sugar cane	398	232		25541	225			
Other permanent	66	44		16091	41			

(Table 1.7.3 cont'd.)

Kembata-Tembaro

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	11590	968	*	49131	12215	16853	137921	55559	40243
Cereals	1466	63	16	43798	10424	13831	114283	26468	32883
Teff	*	*	*	19945	4069	4687	51145	8093	3684
Barley	-	-	-	3256	183	195	24361	1141	2034
Wheat	*	*	*	30156	5362	7963	68329	12313	24898
Maize	*	*	*	5533	701	854	36050	1909	1042
Sorghum	*	*	*	*	*	*	40002	2880	1140
Finger millet	-	-	-	*	*	*	3925	110	73
Oats / 'Aja'	-	-	-	-	-	-	822	*	*
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	*	6469	346	505	88852	6893	7294
Horse / Faba beans	-	-	-	3964	274	403	66960	4217	5160
Field Peas	-	-	-	*	*	*	29096	1680	1341
Haricot beans	*	*	*	1844	28	*	33552	940	776
Chick peas	-	-	-	-	-	-	*	*	*
Lentils	-	-	-	-	-	-	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	*	*	-
Soya beans	-	-	-	-	-	-	*	*	*
Fenugreek	-	-	-	*	*	*	*	*	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	4603	154	67
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	2003	103	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	*	*	*
Vegetables	*	*	*	6385	350	*	109574	1726	-
Lettuce	-	-	-	*	*	*	*	*	-
Head cabbage	-	-	-	*	*	*	7649	*	-
Ethiopian cabbage	*	*	*	*	*	*	104247	1132	-
Tomatoes	-	-	-	*	*	*	*	*	-
Green peppers	*	*	*	-	-	-	9395	36	-
Red peppers	-	-	-	*	*	*	7130	*	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	*	12380	708	1165	92430	3626	-
Beetroot	-	-	-	*	*	*	10615	45	-
Carrot	-	-	-	*	*	*	3343	*	-
Onion	-	-	-	-	-	-	1329	*	-
Potatoes	*	*	*	11312	669	1100	47615	1680	-
Garlic	-	-	-	-	-	-	5814	22	-
Taro 'Godere'	*	*	*	*	*	*	50863	1697	-
Sweet potatoes	-	-	-	*	*	*	15398	144	-
Other Temporary	9479	*	*	*	*	*	73335	2305	-
Permanent crops							83879	1770	
Avocado							59486	400	
Bananas							61672	1204	
Guava							*	*	
Lemons							*	*	
Mangoes							23452	121	
Oranges							7562	29	
Papayas							4055	10	
Pineapples							-	-	
Stimulant							82007	3419	
Chat							10538	*	
Coffee							76521	2836	
Hops / 'Gesho'							12751	38	
Enset							131075	8735	
Sugar cane							30475	398	
Other permanent							23456	65	

(Table 1.7.3 Cont'd.)

Kembata-Tembaro

	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
Crop type	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	18728	2326	1925	70928	18213	*	*	9851	1607
Cereals	15762	2275	1925	61761	16328	*	*	8600	1488
Teff	*	*	*	29342	5745	-	-	*	*
Barley	-	-	-	4201	*	-	-	*	*
Wheat	4633	714	1367	47903	10235	-	-	4148	785
Maize	11113	1187	436	*	*	*	*	*	*
Sorghum	*	*	-	-	-	*	*	*	*
Finger millet	-	-	-	*	*	-	-	-	-
Oats / 'Aja'	-	-	-	*	*	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	4373	431	*	*	*	*
Horse / Faba beans	-	-	-	3997	388	-	-	*	*
Field Peas	-	-	-	*	*	-	-	-	-
Haricot beans	-	-	-	*	*	*	*	*	*
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	*	*
Vegetables	*	*	-	2388	*	*	*	*	*
Lettuce	-	-	-	*	*	-	-	-	-
Head cabbage	-	-	-	*	*	-	-	-	-
Ethiopian cabbage	-	-	-	*	*	*	*	*	*
Tomatoes	*	*	-	*	*	*	*	-	-
Green peppers	-	-	-	-	-	*	*	-	-
Red peppers	-	-	-	*	*	-	-	*	*
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	1907	22	-	22001	1135	*	*	*	*
Beetroot	*	*	-	-	-	*	*	*	*
Carrot	-	-	-	-	-	-	-	-	-
Onion	*	*	-	-	-	*	*	*	*
Potatoes	*	*	-	21396	1127	-	-	*	*
Garlic	-	-	-	*	*	-	-	-	-
Taro 'Godere'	*	*	-	*	*	*	*	*	*
Sweet potatoes	*	*	-	-	-	*	*	*	*
Other Temporary	*	*	-	*	*	-	-	*	*
Permanent crops				*	*	*	*	*	*
Avocado				*	*	*	*	-	-
Bananas				*	*	*	*	*	*
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	*	*	-	-
Oranges				-	-	-	-	-	-
Papayas				-	-	-	-	-	-
Pineapples				-	-	-	-	-	-
Stimulant	*	*	-	*	*	-	-	*	*
Chat				*	*	-	-	*	*
Coffee	*	*	-	-	-	-	-	*	*
Hops / 'Gesho'				-	-	-	-	-	-
Enset				1014	*	*	*		
Sugar cane				-	-	*	*	*	*
Other permanent				-	-	*	*	*	*

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

Sidama

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	260790	175662	77122	838752	126516	209398	30179	30372
Cereals	49850	37166	44056	209126	10527	141595	17086	17017
Teff	*	*	*	-	-	20096	*	*
Barley	11268	5688	1783	33517	4175	18272	1277	1318
Wheat	*	*	*	*	*	4626	1000	1042
Maize	30559	25433	35809	186964	5882	105145	10576	9962
Sorghum	1042	*	*	*	*	*	*	*
Finger millet	*	*	*	-	-	*	*	*
Oats / 'Aja'	*	*	-	*	*	-	-	-
Rice	-	-	-	-	-	-	-	-
Pulses	26948	15929	15809	204231	6204	100170	5908	6104
Horse / Faba beans	6134	2328	*	60417	1940	*	*	*
Field Peas	739	*	*	*	*	*	*	*
Haricot beans	19943	13324	15331	140415	4201	90769	5306	5625
Chick peas	*	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	*	*	-	*	*	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	*	*	*	*	*	*	*	*
Neug	-	-	-	-	-	-	-	-
Linseed	*	*	*	*	*	*	*	*
Groundnuts	*	*	-	*	*	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	*	*	*	-	-	*	*	*
Rapeseed	*	*	-	*	*	-	-	-
Vegetables	7764	6623	1404	471791	5612	33956	451	482
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	*	*	-	-	-
Ethiopian cabbage	6346	5553	519	458305	5204	27776	234	307
Tomatoes	-	-	-	-	-	-	-	-
Green peppers	497	*	*	40072	*	*	*	*
Red peppers	*	*	*	7394	*	*	*	*
Swiss chard	*	-	-	-	-	-	-	-
Root crops	6367	2434	1614	117340	1714	34814	671	786
Beetroot	*	*	-	*	*	-	-	-
Carrot	*	*	-	*	*	-	-	-
Onion	*	*	-	*	*	-	-	-
Potatoes	1125	*	*	25604	*	*	*	*
Garlic	149	118	*	22053	114	*	*	*
Taro 'Godere'	377	*	*	23679	*	*	*	*
Sweet potatoes	4652	1134	*	49220	*	*	*	*
Other Temporary	4184	2720	*	269306	2571	*	*	*
Permanent crops	5632	2804		241206	2500			
Avocado	1186	588		93794	570			
Bananas	3941	2070		189048	1860			
Guava	74	*		*	*			
Lemons	*	-		-	-			
Mangoes	*	*		*	*			
Oranges	*	*		*	*			
Papayas	*	*		*	*			
Pineapples	*	*		*	*			
Stimulant	70893	32923		507432	25764			
Chat	22843	10731		160890	6559			
Coffee	47916	22123		458697	19139			
Hops / 'Gesho'	*	*		*	*			
Enset	83036	72535		822878	70710			
Sugar cane	5818	*		61488	723			
Other permanent	130	*		11555	*			

(Table 1.7.4 cont'd.)

Sidama

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	35709	3248	5089	124714	15719	41662	966426	245291	64823
Cereals	11663	912	*	96474	8640	25608	412362	35255	38256
Teff	-	-	-	*	*	*	24994	*	3532
Barley	*	*	*	-	-	-	113172	11268	19032
Wheat	*	*	*	-	-	-	19114	*	*
Maize	*	*	*	96474	8541	25493	324865	16076	11240
Sorghum	*	*	*	*	*	*	32003	1042	214
Finger millet	-	-	-	-	-	-	*	*	*
Oats / 'Aja'	-	-	-	-	-	-	*	*	*
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	*	75064	3417	9298	464582	26487	26536
Horse / Faba beans	-	-	-	-	-	-	137870	6134	7509
Field Peas	-	-	-	-	-	-	18690	739	*
Haricot beans	*	*	*	75064	3417	9298	318266	19483	18222
Chick peas	-	-	-	-	-	-	*	*	*
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	*	*	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	6339	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	4109	*	*
Groundnuts	-	-	-	-	-	-	*	*	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	*	*	*
Vegetables	*	*	*	21622	*	*	564492	7721	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	*	*	-
Ethiopian cabbage	*	*	*	12565	78	156	531786	6330	-
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	-	57081	497	-
Red peppers	*	*	*	*	*	*	*	*	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	*	7355	39	*	305441	6341	-
Beetroot	-	-	-	-	-	-	*	*	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	-	-	-	-	-	-	*	*	-
Potatoes	*	*	*	4184	*	*	61222	1122	-
Garlic	-	-	-	-	-	-	25279	149	-
Taro 'Godere'	-	-	-	-	-	-	35767	377	-
Sweet potatoes	-	-	-	*	*	*	203943	4642	-
Other Temporary	-	-	-	5445	*	*	374637	4179	-
Permanent crops							417388	5628	
Avocado							188796	1182	
Bananas							322265	3941	
Guava							20159	74	
Lemons							*	*	
Mangoes							18085	*	
Oranges							*	*	
Papayas							*	*	
Pineapples							*	*	
Stimulant							722347	70605	
Chat							369311	22645	
Coffee							651123	47826	
Hops / 'Gesho'							13838	*	
Enset							945643	82970	
Sugar cane							209649	5818	
Other permanent							34234	130	

(Table 1.7.4 Cont'd.)

Sidama

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	134431	15498	7560	16132	*	*	*	71442	12909
Cereals	117508	14596	7227	*	*	-	-	65063	9422
Teff	*	*	*	-	-	-	-	*	*
Barley	-	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-	-
Maize	116829	14483	7173	*	*	-	-	62189	9152
Sorghum	-	-	-	-	-	-	-	*	*
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	*	-	-	*	*	34337	1783
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	*	*	*	-	-	*	*	34337	1783
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	*	*	*	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	*	*	*	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	4966	*	-	*	*	*	*	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	3893	*	-	-	-	*	*	*	*
Ethiopian cabbage	*	*	-	*	*	*	*	*	*
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	*	*	-	-	-	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	*	*	-	-	-	*	*	-	-
Root crops	9779	25	-	-	-	*	*	*	*
Beetroot	*	*	-	-	-	*	*	-	-
Carrot	*	*	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	-	-	-
Potatoes	*	*	-	-	-	*	*	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	*	*
Sweet potatoes	*	*	-	-	-	*	*	-	-
Other Temporary	*	*	-	*	*	*	*	*	*
Permanent crops				-	-	*	*	-	-
Avocado				-	-	*	*	-	-
Bananas				-	-	*	*	-	-
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	-	-	-	-
Oranges				-	-	-	-	-	-
Papayas				-	-	-	-	-	-
Pineapples				-	-	-	-	-	-
Stimulant	*	*	-	*	*	*	*	20499	*
Chat				*	*	*	*	*	*
Coffee	*	*	-	*	*	*	*	*	*
Hops / 'Gesho'				-	-	-	-	-	-
Enset				*	*	*	*		
Sugar cane				*	*	-	-	*	*
Other permanent				-	-	-	-	-	-

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

Gedio

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	57549	16266	2702	110121	14077	8493	1356	1529
Cereals	8735	3011	2413	22619	1160	8085	1123	1400
Teff	*	*	*	-	-	*	*	*
Barley	2548	*	*	5682	*	*	*	*
Wheat	*	*	*	*	*	*	*	*
Maize	4874	1412	1477	17009	*	5244	*	*
Sorghum	*	*	-	*	*	-	-	-
Finger millet	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
Pulses	2210	573	70	13016	*	*	*	*
Horse / Faba beans	1724	530	70	*	*	*	*	*
Field Peas	118	*	-	*	*	-	-	-
Haricot beans	335	13	-	5382	13	-	-	-
Chick peas	*	*	-	*	*	-	-	-
Lentils	*	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	*	*	-	*	*	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	*	*	-	*	*	-	-	-
Neug	-	-	-	-	-	-	-	-
Linseed	*	*	-	*	*	-	-	-
Groundnuts	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-
Vegetables	916	595	*	60987	571	-	-	-
Lettuce	*	*	-	*	*	-	-	-
Head cabbage	*	*	-	*	*	-	-	-
Ethiopian cabbage	870	573	*	56471	549	-	-	-
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	42	19	-	9390	19	-	-	-
Red peppers	*	*	-	*	*	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
Root crops	1218	555	*	36696	550	*	*	*
Beetroot	*	*	-	*	*	-	-	-
Carrot	*	-	-	-	-	-	-	-
Onion	*	-	-	-	-	-	-	-
Potatoes	*	*	*	*	*	*	*	*
Garlic	3	3	-	1701	3	-	-	-
Taro 'Godere'	886	458	-	31269	458	-	-	-
Sweet potatoes	308	*	-	5457	*	-	-	-
Other Temporary	830	468	*	43405	466	*	*	*
Permanent crops	2235	501		34166	501			
Avocado	861	226		25533	226			
Bananas	1270	261		14776	261			
Guava	*	*		*	*			
Lemons	*	*		*	*			
Mangoes	*	*		*	*			
Oranges	*	-		-	-			
Papayas	*	*		*	*			
Pineapples	*	*		*	*			
Stimulant	24518	4381		69555	4334			
Chat	*	*		2273	*			
Coffee	24160	4296		68735	4249			
Hops / 'Gesho'	50	*		*	*			
Enset	16575	6127		97469	6085			
Sugar cane	*	19		4889	19			
Other permanent	130	*		7154	*			

(Table 1.7.5 cont'd.)

Gedio

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	*	*	*	4868	774	1110	177959	54568	13766
Cereals	*	*	*	4741	668	950	71406	7835	10992
Teff	-	-	-	-	-	-	*	*	*
Barley	*	*	*	*	*	*	27675	2548	5222
Wheat	-	-	-	*	*	*	10062	*	*
Maize	*	*	*	3806	443	814	50790	4277	3635
Sorghum	-	-	-	-	-	-	3853	*	40
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	*	*	*	42489	2196	2759
Horse / Faba beans	-	-	-	*	*	*	24556	1724	2220
Field Peas	-	-	-	-	-	-	1984	118	*
Haricot beans	-	-	-	-	-	-	19333	321	402
Chick peas	-	-	-	-	-	-	*	*	*
Lentils	-	-	-	-	-	-	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	*	*	*
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	1730	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	1730	*	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	-	-	-	*	*	*	96105	916	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	-	-	-	-	-	-	*	*	-
Ethiopian cabbage	-	-	-	*	*	*	88380	870	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	16608	42	-
Red peppers	-	-	-	-	-	-	*	*	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	-	-	-	*	*	*	65262	1215	-
Beetroot	-	-	-	-	-	-	*	*	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	-	-	-	-	-	-	*	*	-
Potatoes	-	-	-	*	*	*	1922	*	-
Garlic	-	-	-	-	-	-	2283	3	-
Taro 'Godere'	-	-	-	-	-	-	50365	884	-
Sweet potatoes	-	-	-	-	-	-	19892	307	-
Other Temporary	-	-	-	-	-	-	70117	830	-
Permanent crops							80204	2235	
Avocado							63692	861	
Bananas							42638	1269	
Guava							*	*	
Lemons							*	*	
Mangoes							*	*	
Oranges							*	*	
Papayas							*	*	
Pineapples							*	*	
Stimulant							149459	22459	
Chat							7436	*	
Coffee							147297	22101	
Hops / 'Gesho'							6108	50	
Enset							169419	16571	
Sugar cane							14598	*	
Other permanent							18960	130	

(Table 1.7.5 Cont'd.)

Gedio

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	20256	2981	513	*	*	*	-	6199	583
Cereals	6135	900	488	*	*	-	-	4704	553
Teff	*	*	*	*	*	-	-	*	*
Barley	-	-	-	*	*	-	-	*	*
Wheat	-	-	-	-	-	-	-	-	-
Maize	5294	597	318	*	-	-	-	3862	404
Sorghum	-	-	-	-	-	-	-	-	-
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	*	-	-	-	-	*	*
Horse / Faba beans	-	-	-	-	-	-	-	*	*
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	*	*	*	-	-	-	-	-	-
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	-	-	-	*	*	-	-	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	*	*	-	-	*	*
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	-	-	-	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	-	-	-	*	-	*	-
Beetroot	-	-	-	-	-	-	-	*	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	*	-	-	-
Taro 'Godere'	*	*	-	-	-	-	-	-	-
Sweet potatoes	*	*	-	-	-	-	-	-	-
Other Temporary	*	*	-	-	-	-	-	-	-
Permanent crops				-	-	-	-	-	-
Avocado				-	-	-	-	-	-
Bananas				-	-	-	-	-	-
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	-	-	-	-
Oranges				-	-	-	-	-	-
Papayas				-	-	-	-	-	-
Pineapples				-	-	-	-	-	-
Stimulant	12521	*	-	*	*	-	-	*	*
Chat				-	-	-	-	-	-
Coffee	12521	*	-	*	*	-	-	*	*
Hops / 'Gesho'				-	-	-	-	-	-
Enset				-	-	-	-		
Sugar cane				-	-	-	-	-	-
Other permanent				-	-	-	-	-	-

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

Wolayita

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	127198	103843	55619	304108	47574	189779	36370	27797
Cereals	44254	41292	35387	125987	5374	137927	22823	17384
Teff	17969	17655	13474	*	*	78543	12674	8464
Barley	420	323	*	4843	123	4054	*	*
Wheat	*	*	*	5899	*	21326	1928	1858
Maize	19140	18030	16849	103311	3787	67449	7847	6698
Sorghum	2472	1268	*	32147	1193	3684	*	*
Finger millet	*	*	*	-	-	*	*	*
Oats / 'Aja'	*	*	*	*	*	*	*	*
Rice	*	*	-	*	*	-	-	-
Pulses	29159	19861	9988	164121	6977	121773	11580	8419
Horse / Faba beans	2254	1368	430	34010	841	6142	*	*
Field Peas	*	2069	532	45340	1553	8602	321	246
Haricot beans	19768	15689	8913	137862	4060	116130	10674	7803
Chick peas	1394	*	*	9548	*	2678	212	*
Lentils	*	*	-	*	*	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	*	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Gibto	*	*	-	*	*	-	-	-
Oilseeds	182	*	*	2147	*	*	*	*
Neug	-	-	-	-	-	-	-	-
Linseed	*	*	*	*	*	-	-	-
Groundnuts	*	*	*	*	*	*	*	*
Safflower	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Rapeseed	*	*	-	*	*	-	-	-
Vegetables	1183	1014	*	153731	908	*	*	*
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	*	*	*	6396	*	*	*	*
Ethiopian cabbage	707	678	*	132108	671	*	*	*
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	140	135	*	47247	127	*	*	*
Red peppers	174	*	*	10136	*	*	*	*
Swiss chard	*	-	-	-	-	-	-	-
Root crops	16204	13796	1794	255123	12144	32554	1071	997
Beetroot	*	*	*	*	*	-	-	-
Carrot	*	*	-	*	*	-	-	-
Onion	9	9	*	5282	7	*	*	*
Potatoes	1610	1551	1050	33924	441	28201	979	875
Garlic	*	*	-	2593	*	-	-	-
Taro 'Godere'	8354	7352	515	212499	6995	*	*	*
Sweet potatoes	6118	4814	192	172637	4661	5162	69	88
Other Temporary	14104	10045	7199	231713	5122	8117	*	293
Permanent crops	4878	2936		224387	2714			
Avocado	1354	884		138015	854			
Bananas	2188	1513		154350	1363			
Guava	28	18		8299	18			
Lemons	14	5		3618	5			
Mangoes	1152	410		82155	379			
Oranges	91	63		20950	53			
Papayas	45	39		18943	39			
Pineapples	6	*		1947	*			
Stimulant	7929	6476		249220	5999			
Chat	*	*		7025	*			
Coffee	7738	6356		248295	5881			
Hops / 'Gesho'	27	17		9675	15			
Enset	8062	7682		280147	7668			
Sugar cane	1096	595		65085	541			
Other permanent	146	112		39349	112			

(Table 1.7.6 cont'd.)

Wolayita

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	34814	4932	6331	78968	14967	21491	325940	118124	42256
Cereals	5884	494	392	73777	12601	17612	228745	35324	24157
Teff	1614	*	*	26848	4799	4955	103223	16894	9332
Barley	-	-	-	*	*	*	11288	420	724
Wheat	*	*	*	*	*	*	34963	3555	*
Maize	3856	277	*	50539	6119	9893	153078	11739	5287
Sorghum	-	-	-	-	-	-	50570	2472	*
Finger millet	-	-	-	-	-	-	*	*	*
Oats / 'Aja'	-	-	-	-	-	-	*	*	*
Rice	-	-	-	-	-	-	*	*	*
Pulses	*	*	*	17618	1212	1515	264096	29087	18025
Horse / Faba beans	-	-	-	*	*	*	43636	2254	1633
Field Peas	*	*	*	5007	119	247	69645	*	2150
Haricot beans	*	*	*	14079	939	1094	238301	19696	13510
Chick peas	-	-	-	-	-	-	19290	1394	729
Lentils	-	-	-	-	-	-	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	*	*	*
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	*	*	-
Oilseeds	-	-	-	*	*	*	7518	182	75
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	*	*	*	1718	*	*
Groundnuts	-	-	-	*	*	*	4973	*	*
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	*	*	-
Vegetables	*	*	*	*	*	*	161257	1182	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	*	*	*	*	*	*	8080	*	-
Ethiopian cabbage	-	-	-	*	*	*	137301	707	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	*	*	*	48744	139	-
Red peppers	-	-	-	*	*	*	13383	174	-
Swiss chard	-	-	-	-	-	-	*	*	-
Root crops	10771	363	491	8242	218	306	283111	16166	-
Beetroot	*	*	*	-	-	-	*	*	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	-	-	-	-	-	-	5343	8	-
Potatoes	*	*	*	2051	*	*	63751	1610	-
Garlic	-	-	-	-	-	-	2593	*	-
Taro 'Godere'	*	*	*	*	*	*	233996	8330	-
Sweet potatoes	*	*	*	4114	54	85	196164	6105	-
Other Temporary	27067	*	*	10680	736	*	268297	14091	-
Permanent crops							263303	4868	
Avocado							180284	1349	
Bananas							190002	2185	
Guava							13292	28	
Lemons							9287	14	
Mangoes							131667	1152	
Oranges							28767	91	
Papayas							26009	45	
Pineapples							4707	6	
Stimulant							278779	7920	
Chat							9937	*	
Coffee							277963	7729	
Hops / 'Gesho'							14187	27	
Enset							298736	8062	
Sugar cane							84363	1096	
Other permanent							52124	146	

(Table 1.7.6 Cont'd.)

Wolayita

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	64946	9074	4886	6426	*	*	*	108758	23464
Cereals	60462	8930	4848	*	*	*	*	87261	16794
Teff	5571	1075	587	*	*	-	-	40779	7461
Barley	-	-	-	-	-	-	-	-	-
Wheat	*	*	*	*	*	-	-	12587	1036
Maize	53567	7401	2925	*	*	*	*	57333	8293
Sorghum	-	-	-	-	-	-	-	*	*
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	*	1598	*	*	*	41731	3414
Horse / Faba beans	-	-	-	-	-	-	-	*	*
Field Peas	-	-	-	*	*	-	-	*	*
Haricot beans	*	*	*	*	*	*	*	39788	3311
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	*	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	*	*	-	*	*	-	-	3164	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	*	*	-	-	*	*
Ethiopian cabbage	-	-	-	-	-	-	-	*	*
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	*	*	-	-	-	-	-	*	*
Red peppers	-	-	-	-	-	-	-	*	*
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	3244	*	-	-	-	*	*	25526	1078
Beetroot	-	-	-	-	-	-	-	*	*
Carrot	*	*	-	-	-	-	-	*	*
Onion	*	*	-	-	-	-	-	*	*
Potatoes	-	-	-	-	-	*	*	*	*
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	*	*	-	-	-	-	-	*	*
Sweet potatoes	*	*	-	-	-	-	-	6245	*
Other Temporary	*	*	-	-	-	-	-	19858	*
Permanent crops				*	*	-	-	5085	*
Avocado				-	-	-	-	*	*
Bananas				*	*	-	-	3922	*
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				*	*	-	-	*	*
Oranges				-	-	-	-	-	-
Papayas				-	-	-	-	-	-
Pineapples				-	-	-	-	-	-
Stimulant	1635	*	-	-	-	-	-	7933	222
Chat				-	-	-	-	*	*
Coffee	*	*	-	-	-	-	-	7540	210
Hops / 'Gesho'				-	-	-	-	-	-
Enset				*	*	-	-		
Sugar cane				*	*	-	-	*	*
Other permanent				-	-	-	-	-	-

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

South Omo

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	69990	9426	6777	22573	2890	7229	1807	1496
Cereals	46383	6181	6183	1522	357	5893	1234	1138
Teff	3213	*	*	-	-	*	*	*
Barley	5002	*	*	*	*	*	*	*
Wheat	1119	*	*	*	*	*	*	*
Maize	19896	5498	5667	700	*	3770	874	*
Sorghum	16878	*	*	*	*	-	-	-
Finger millet	*	-	-	-	-	-	-	-
Oats / 'Aja'	*	-	-	-	-	-	-	-
Rice	*	-	-	-	-	-	-	-
Pulses	6054	537	375	*	*	1475	*	*
Horse / Faba beans	1902	*	*	*	*	*	*	*
Field Peas	*	*	*	*	*	*	*	*
Haricot beans	2915	*	*	*	*	*	*	*
Chick peas	-	-	-	-	-	-	-	-
Lentils	*	*	-	*	*	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	*	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	*	*	*	*	*	*	*	*
Neug	-	-	-	-	-	-	-	-
Linseed	50	*	*	*	*	*	*	*
Groundnuts	*	-	-	-	-	-	-	-
Safflower	152	*	*	*	*	*	*	*
Sesame	*	*	*	-	-	*	*	*
Rapeseed	-	-	-	-	-	-	-	-
Vegetables	576	*	*	12216	*	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	*	*	-	-	-
Ethiopian cabbage	455	*	-	11677	*	-	-	-
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	18	*	-	*	*	-	-	-
Red peppers	*	*	*	*	*	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
Root crops	3191	181	*	11731	155	*	*	*
Beetroot	*	*	-	*	*	-	-	-
Carrot	*	-	-	-	-	-	-	-
Onion	106	*	*	*	*	*	*	*
Potatoes	*	*	-	*	*	-	-	-
Garlic	*	*	-	3072	*	-	-	-
Taro 'Godere'	2117	*	*	2770	*	-	-	-
Sweet potatoes	764	*	-	*	*	-	-	-
Other Temporary	2379	*	*	*	*	*	*	*
Permanent crops	1121	*		797	*			
Avocado	94	*		*	*			
Bananas	783	*		*	*			
Guava	*	-		-	-			
Lemons	*	-		-	-			
Mangoes	112	*		*	*			
Oranges	*	-		-	-			
Papayas	98	*		*	*			
Pineapples	*	-		-	-			
Stimulant	3878	*		2710	*			
Chat	*	*		*	*			
Coffee	3639	*		2082	*			
Hops / 'Gesho'	9	*		*	*			
Enset	4352	1825		18614	1814			
Sugar cane	203	*		*	*			
Other permanent	301	*		*	*			

(Table 1.7.7 cont'd.)

South Omo

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	*	*	*	9695	4664	5262	128186	65628	13996
Cereals	*	*	*	9695	4537	5028	111524	42059	11282
Teff	-	-	-	-	-	-	13739	3158	867
Barley	-	-	-	*	*	*	19851	5002	3072
Wheat	-	-	-	*	*	*	8863	1049	488
Maize	*	*	*	8861	4426	4944	69575	15697	4487
Sorghum	-	-	-	*	*	*	63354	16878	2290
Finger millet	-	-	-	-	-	-	2311	*	*
Oats / 'Aja'	-	-	-	-	-	-	*	*	*
Rice	-	-	-	-	-	-	*	*	*
Pulses	*	*	*	1123	61	120	57864	6054	2459
Horse / Faba beans	-	-	-	-	-	-	18459	1902	1147
Field Peas	-	-	-	-	-	-	10840	*	*
Haricot beans	*	*	*	1123	61	120	36844	2915	792
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	*	*	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	*	*	*	12878	*	255
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	3160	50	*
Groundnuts	-	-	-	-	-	-	1790	*	*
Safflower	-	-	-	*	*	*	5111	152	28
Sesame	-	-	-	-	-	-	*	*	*
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	-	-	-	*	*	*	37585	576	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	*	*	-
Ethiopian cabbage	-	-	-	-	-	-	32846	455	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	2608	18	-
Red peppers	-	-	-	*	*	*	*	*	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	*	*	*	*	64818	3191	-
Beetroot	-	-	-	-	-	-	*	*	-
Carrot	-	-	-	-	-	-	660	*	-
Onion	*	*	*	-	-	-	12503	106	-
Potatoes	-	-	-	-	-	-	2945	*	-
Garlic	-	-	-	-	-	-	5773	*	-
Taro 'Godere'	-	-	-	*	*	*	41034	2117	-
Sweet potatoes	-	-	-	-	-	-	24723	764	-
Other Temporary	-	-	-	*	*	*	43984	2379	-
Permanent crops							44446	1113	
Avocado							10245	94	
Bananas							33937	775	
Guava							*	*	
Lemons							*	*	
Mangoes							14064	112	
Oranges							*	*	
Papayas							10905	98	
Pineapples							*	*	
Stimulant							42816	3878	
Chat							5715	*	
Coffee							41677	3639	
Hops / 'Gesho'							1355	9	
Enset							61547	4330	
Sugar cane							8599	203	
Other permanent							21334	293	

(Table 1.7.7 Cont'd.)

South Omo

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	11776	4363	*	*	*	*	*	13621	5182
Cereals	11202	4324	*	*	*	*	*	12147	4990
Teff	*	*	*	-	-	-	-	*	*
Barley	-	-	-	-	-	-	-	*	*
Wheat	*	*	*	*	*	-	-	*	*
Maize	10516	4200	*	-	-	*	*	10154	4583
Sorghum	-	-	-	-	-	*	*	*	*
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	-	-	*	*	1224	125
Horse / Faba beans	-	-	-	-	-	-	-	*	*
Field Peas	-	-	-	-	-	-	-	*	*
Haricot beans	-	-	-	-	-	*	*	527	*
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	*	-	*	-	-	-	-	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	*	*
Sesame	*	-	*	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	-	-	-	-	-	*	*	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	*	*	-	-
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	-	-	-	-
Red peppers	-	-	-	-	-	-	-	*	*
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	-	-	-	-	-	*	*	*	*
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	*	*	*	*
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	*	*
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other Temporary	-	-	-	-	-	-	-	*	*
Permanent crops				-	-	*	*	*	*
Avocado				-	-	-	-	-	-
Bananas				-	-	*	*	*	*
Guava				-	-	-	-	-	-
Lemons				-	-	*	*	-	-
Mangoes				-	-	-	-	-	-
Oranges				-	-	-	-	-	-
Papayas				-	-	*	*	-	-
Pineapples				-	-	-	-	-	-
Stimulant	-	-	-	*	*	-	-	-	-
Chat				*	*	-	-	-	-
Coffee	-	-	-	-	-	-	-	-	-
Hops / 'Gesho'				-	-	-	-	-	-
Enset				*	*	-	-		
Sugar cane				-	-	-	-	-	-
Other permanent				-	-	*	*	*	*

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

Sheka

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	33955	3217	1832	7028	*	7573	1814	1239
Cereals	10845	2453	1783	553	*	7261	1776	1200
Teff	774	-	-	-	-	-	-	-
Barley	*	*	*	-	-	*	*	*
Wheat	*	*	*	-	-	-	-	-
Maize	1671	911	801	553	*	1679	*	*
Sorghum	7705	1452	922	-	-	5697	1365	886
Finger millet	-	-	-	-	-	-	-	-
Oats / 'Aja'	*	-	-	-	-	-	-	-
Rice	*	-	-	-	-	-	-	-
Pulses	4517	*	-	*	*	-	-	-
Horse / Faba beans	*	*	-	*	*	-	-	-
Field Peas	2721	*	-	*	*	-	-	-
Haricot beans	106	*	-	*	*	-	-	-
Chick peas	*	-	-	-	-	-	-	-
Lentils	*	*	-	*	*	-	-	-
Vetch / Grass peas	*	-	-	-	-	-	-	-
Soya beans	*	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Gibto	*	-	-	-	-	-	-	-
Oilseeds	*	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-
Groundnuts	*	-	-	-	-	-	-	-
Safflower	*	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Rapeseed	*	-	-	-	-	-	-	-
Vegetables	378	*	*	*	*	*	*	*
Lettuce	*	-	-	-	-	-	-	-
Head cabbage	*	*	*	-	-	-	-	-
Ethiopian cabbage	200	*	*	*	*	*	*	*
Tomatoes	*	-	-	-	-	-	-	-
Green peppers	65	*	-	*	*	-	-	-
Red peppers	36	-	-	-	-	-	-	-
Swiss chard	*	-	-	-	-	-	-	-
Root crops	1060	12	*	*	8	*	*	*
Beetroot	*	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	*	*	-	*	*	-	-	-
Potatoes	110	*	*	-	-	-	-	-
Garlic	24	*	-	*	*	-	-	-
Taro 'Godere'	763	6	*	716	6	*	*	*
Sweet potatoes	*	*	-	*	*	-	-	-
Other Temporary	2276	*	*	*	*	*	*	*
Permanent crops	505	*		1827	*			
Avocado	112	*		*	*			
Bananas	148	*		*	*			
Guava	*	-		-	-			
Lemons	2	-		-	-			
Mangoes	142	*		*	*			
Oranges	37	*		*	*			
Papayas	55	*		*	*			
Pineapples	*	-		-	-			
Stimulant	10231	*		1247	*			
Chat	*	-		-	-			
Coffee	10074	*		1247	*			
Hops / 'Gesho'	71	*		*	*			
Enset	3900	268		4606	268			
Sugar cane	213	*		*	*			
Other permanent	28	*		*	*			

(Table 1.7.8 cont'd.)

Sheka

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	*	*	*	*	*	*	55579	32749	7300
Cereals	*	*	*	*	*	*	37021	9957	4316
Teff	-	-	-	-	-	-	7294	774	1137
Barley	-	-	-	-	-	-	3169	*	*
Wheat	*	*	*	-	-	-	*	*	*
Maize	-	-	-	*	*	*	10097	783	313
Sorghum	*	*	*	-	-	-	28248	7705	2206
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	*	*	-
Rice	-	-	-	-	-	-	618	*	*
Pulses	-	-	-	-	-	-	20627	4517	2984
Horse / Faba beans	-	-	-	-	-	-	8571	*	*
Field Peas	-	-	-	-	-	-	9362	2721	1020
Haricot beans	-	-	-	-	-	-	11789	106	*
Chick peas	-	-	-	-	-	-	*	*	*
Lentils	-	-	-	-	-	-	*	*	-
Vetch / Grass peas	-	-	-	-	-	-	*	*	-
Soya beans	-	-	-	-	-	-	*	*	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	*	*	-
Oilseeds	-	-	-	-	-	-	*	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	*	*	*
Safflower	-	-	-	-	-	-	*	*	*
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	*	*	*
Vegetables	*	*	*	*	*	*	31965	374	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	-	-	-	*	*	*	1281	8	-
Ethiopian cabbage	*	*	*	-	-	-	25775	200	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	11727	65	-
Red peppers	-	-	-	-	-	-	1650	36	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	-	-	-	*	*	*	35650	1058	-
Beetroot	-	-	-	-	-	-	1128	*	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	4634	*	-
Potatoes	-	-	-	*	*	*	2475	110	-
Garlic	-	-	-	-	-	-	8271	24	-
Taro 'Godere'	-	-	-	-	-	-	27636	763	-
Sweet potatoes	-	-	-	-	-	-	2009	*	-
Other Temporary	-	-	-	-	-	-	31883	2270	-
Permanent crops							33179	504	
Avocado							19295	112	
Bananas							14685	148	
Guava							1353	*	
Lemons							1637	2	
Mangoes							17568	141	
Oranges							8034	37	
Papayas							14193	55	
Pineapples							950	*	
Stimulant							42219	9931	
Chat							3868	*	
Coffee							41730	9774	
Hops / 'Gesho'							4633	71	
Enset							42669	3899	
Sugar cane							16058	213	
Other permanent							13078	24	

(Table 1.7.8 Cont'd.)

Sheka

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	7957	1206	180	6839	2183	*	*	8421	2057
Cereals	4219	888	180	5859	1874	-	-	7308	1888
Teff	-	-	-	*	*	-	-	-	-
Barley	-	-	-	-	-	-	-	*	*
Wheat	-	-	-	-	-	-	-	*	*
Maize	4219	888	180	*	*	-	-	4073	843
Sorghum	-	-	-	5723	1846	-	-	4091	976
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	*	*	-	-	*	*
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	*	*
Haricot beans	-	-	-	*	*	-	-	-	-
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	*	*	-	-	-	-	-	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	*	*
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	-	-	-	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	*	*	-	-	-	-	-	-	-
Root crops	*	*	-	*	*	-	-	*	*
Beetroot	*	*	-	-	-	-	-	*	*
Carrot	-	-	-	-	-	-	-	-	-
Onion	*	*	-	-	-	-	-	*	*
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	*	*	-	*	*	-	-	*	*
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other Temporary	*	*	-	*	*	-	-	*	*
Permanent crops				-	-	-	-	*	*
Avocado				-	-	-	-	-	-
Bananas				-	-	-	-	-	-
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	-	-	*	*
Oranges				-	-	-	-	*	*
Papayas				-	-	-	-	-	-
Pineapples				-	-	-	-	-	-
Stimulant	*	*	-	506	*	*	*	801	*
Chat				-	-	*	*	-	-
Coffee	*	*	-	506	*	*	*	801	*
Hops / 'Gesho'				-	-	-	-	-	-
Enset				*	*	-	-		
Sugar cane				-	-	-	-	*	*
Other permanent				*	*	-	-	*	*

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

Keffa

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	171958	18884	12238	96159	6957	36808	8973	7369
Cereals	93479	11695	11544	12157	883	34372	8002	6765
Teff	21506	2282	1698	*	*	10194	1972	1502
Barley	10028	651	*	*	*	*	592	*
Wheat	8680	4509	*	*	*	14367	2683	2594
Maize	36081	3956	3244	9741	683	10818	2482	1826
Sorghum	16283	*	*	*	*	*	*	*
Finger millet	*	*	*	-	-	*	*	*
Oats / 'Aja'	*	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
Pulses	37043	1084	508	6772	*	4326	726	508
Horse / Faba beans	17079	867	344	3656	*	2956	558	344
Field Peas	14500	*	*	*	*	*	*	*
Haricot beans	5348	*	*	2560	*	*	*	*
Chick peas	*	-	-	-	-	-	-	-
Lentils	*	-	-	-	-	-	-	-
Vetch / Grass peas	*	-	-	-	-	-	-	-
Soya beans	*	-	-	-	-	-	-	-
Fenugreek	*	*	-	*	*	-	-	-
Gibto	*	-	-	-	-	-	-	-
Oilseeds	295	*	-	*	*	-	-	-
Neug	*	-	-	-	-	-	-	-
Linseed	107	-	-	-	-	-	-	-
Groundnuts	*	-	-	-	-	-	-	-
Safflower	*	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Rapeseed	*	*	-	*	*	-	-	-
Vegetables	1493	420	*	65972	396	*	*	*
Lettuce	*	-	-	-	-	-	-	-
Head cabbage	*	*	-	*	*	-	-	-
Ethiopian cabbage	1069	353	-	62140	353	-	-	-
Tomatoes	*	-	-	-	-	-	-	-
Green peppers	132	17	-	8386	17	-	-	-
Red peppers	220	*	*	*	*	*	*	*
Swiss chard	*	-	-	-	-	-	-	-
Root crops	4815	509	*	34181	485	*	*	*
Beetroot	*	*	-	*	*	-	-	-
Carrot	*	-	-	-	-	-	-	-
Onion	*	*	-	*	*	-	-	-
Potatoes	42	*	-	*	*	-	-	-
Garlic	100	*	*	1852	*	*	*	*
Taro 'Godere'	4327	485	*	31464	467	*	*	*
Sweet potatoes	*	*	-	*	*	-	-	-
Other Temporary	2091	145	-	15552	145	-	-	-
Permanent crops	1456	154		17846	154			
Avocado	291	12		3499	12			
Bananas	1000	110		11272	110			
Guava	*	-		-	-			
Lemons	5	-		-	-			
Mangoes	54	*		*	*			
Oranges	10	*		*	*			
Papayas	81	*		5104	*			
Pineapples	*	*		*	*			
Stimulant	10914	664		25598	421			
Chat	149	*		1835	*			
Coffee	10714	629		23546	386			
Hops / 'Gesho'	51	*		*	*			
Enset	19882	4171		64120	4075			
Sugar cane	399	37		7134	37			
Other permanent	91	*		*	*			

(Table 1.7.9 cont'd.)

Keffa

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	2126	*	*	8913	*	*	218926	166423	90388
Cereals	*	*	*	8913	*	*	184079	88453	63475
Teff	*	*	*	*	*	*	113213	21262	18248
Barley	*	*	*	-	-	-	68973	10028	11844
Wheat	*	*	*	*	*	*	32431	6474	*
Maize	-	-	-	*	*	*	84217	33505	17206
Sorghum	-	-	-	-	-	-	79589	16283	5509
Finger millet	-	-	-	*	*	*	7380	*	*
Oats / 'Aja'	-	-	-	-	-	-	1800	*	*
Rice	-	-	-	-	-	-	*	-	*
Pulses	-	-	-	-	-	-	163944	36779	26861
Horse / Faba beans	-	-	-	-	-	-	102479	16836	15287
Field Peas	-	-	-	-	-	-	70790	14492	7191
Haricot beans	-	-	-	-	-	-	78975	5336	4311
Chick peas	-	-	-	-	-	-	*	*	-
Lentils	-	-	-	-	-	-	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	*	*	-
Soya beans	-	-	-	-	-	-	*	*	*
Fenugreek	-	-	-	-	-	-	*	*	*
Gibto	-	-	-	-	-	-	*	*	*
Oilseeds	-	-	-	-	-	-	14753	295	52
Neug	-	-	-	-	-	-	*	*	*
Linseed	-	-	-	-	-	-	4908	107	33
Groundnuts	-	-	-	-	-	-	*	*	-
Safflower	-	-	-	-	-	-	*	*	*
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	7956	*	15
Vegetables	-	-	-	-	-	-	154385	1488	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	-	-	-	-	-	-	6003	*	-
Ethiopian cabbage	-	-	-	-	-	-	139154	1064	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	30495	132	-
Red peppers	-	-	-	-	-	-	15741	220	-
Swiss chard	-	-	-	-	-	-	*	*	-
Root crops	*	*	*	-	-	-	155799	4815	-
Beetroot	-	-	-	-	-	-	7840	*	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	-	-	-	-	-	-	11871	*	-
Potatoes	-	-	-	-	-	-	3279	42	-
Garlic	*	*	*	-	-	-	33593	100	-
Taro 'Godere'	-	-	-	-	-	-	128223	4327	-
Sweet potatoes	-	-	-	-	-	-	14356	*	-
Other Temporary	-	-	-	-	-	-	90999	2091	-
Permanent crops							87797	1453	
Avocado							29484	289	
Bananas							71022	1000	
Guava							*	*	
Lemons							2634	5	
Mangoes							7373	54	
Oranges							4700	10	
Papayas							14200	81	
Pineapples							*	*	
Stimulant							136741	10685	
Chat							20001	149	
Coffee							131571	10484	
Hops / 'Gesho'							14112	51	
Enset							203835	19874	
Sugar cane							48027	399	
Other permanent							32792	91	

(Table 1.7.9 Cont'd.)

Keffa

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	33194	5535	4856	83199	25745	*	*	40091	10463
Cereals	25620	5026	4684	82521	25602	-	-	37100	9282
Teff	*	*	*	57892	12314	-	-	6877	1289
Barley	-	-	-	18168	2533	-	-	*	*
Wheat	9833	*	*	12901	*	-	-	15789	3584
Maize	14126	2576	1001	*	*	-	-	15516	3601
Sorghum	-	-	-	28012	7017	-	-	*	*
Finger millet	-	-	-	*	*	-	-	*	*
Oats / 'Aja'	-	-	-	*	*	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	1648	*	173	*	*	-	-	2902	551
Horse / Faba beans	*	*	*	-	-	-	-	1779	*
Field Peas	*	*	*	*	*	-	-	*	*
Haricot beans	*	*	*	-	-	-	-	*	*
Chick peas	-	-	-	-	-	-	-	*	*
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	*	*	-	-	-	-
Oilseeds	-	-	-	*	*	*	*	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	*	*	*	*	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	*	*	-	*	*	*	*	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	*	*	-	*	*	*	*	*	*
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	-	-	*	*
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	-	-	-	-	-	*	*	*	*
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	*	*	-	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	*	*	-	-
Taro 'Godere'	-	-	-	-	-	-	-	*	*
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other Temporary	-	-	-	-	-	-	-	*	*
Permanent crops				-	-	-	-	*	*
Avocado				-	-	-	-	*	*
Bananas				-	-	-	-	*	*
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	-	-	-	-
Oranges				-	-	-	-	-	-
Papayas				-	-	-	-	*	*
Pineapples				-	-	-	-	-	-
Stimulant	7862	*	-	*	*	*	*	*	*
Chat				-	-	-	-	-	-
Coffee	7862	*	-	*	*	*	*	*	*
Hops / 'Gesho'				-	-	-	-	-	-
Enset				*	*	-	-		
Sugar cane				-	-	-	-	-	-
Other permanent				-	-	-	-	-	-

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

Gamo Gofa

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	200058	68806	10243	334807	53597	62951	10364	6173
Cereals	112940	32955	8462	157848	20093	50306	8133	4612
Teff	29999	6780	4001	*	*	18304	*	*
Barley	16437	10841	416	109101	10221	9549	383	222
Wheat	11966	8577	*	65914	*	17879	1257	619
Maize	33519	3129	*	41099	1514	7082	*	*
Sorghum	20946	*	*	*	*	*	*	*
Finger millet	-	-	-	-	-	-	-	-
Oats / 'Aja'	*	*	-	*	*	-	-	-
Rice	*	-	-	-	-	-	-	-
Pulses	22284	4352	*	101827	3291	13138	*	*
Horse / Faba beans	3356	990	*	42211	983	*	*	*
Field Peas	3515	723	-	22429	723	-	-	-
Haricot beans	15035	2437	*	43708	1386	11506	*	*
Chick peas	*	*	-	*	*	-	-	-
Lentils	76	35	-	3606	35	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	*	-	-	-	-	-	-	-
Fenugreek	32	32	*	14539	30	*	*	*
Gibto	-	-	-	-	-	-	-	-
Oilseeds	493	112	*	*	*	*	*	*
Neug	-	-	-	-	-	-	-	-
Linseed	141	62	*	*	*	*	*	*
Groundnuts	*	*	*	*	*	*	*	*
Safflower	*	-	-	-	-	-	-	-
Sesame	*	*	-	*	*	-	-	-
Rapeseed	-	-	-	-	-	-	-	-
Vegetables	1079	827	*	123315	824	*	*	*
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	6	6	-	3508	6	-	-	-
Ethiopian cabbage	899	789	*	115395	786	*	*	*
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	97	29	-	10317	29	-	-	-
Red peppers	*	*	-	*	*	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
Root crops	19180	9557	646	241210	8774	23561	763	596
Beetroot	*	*	-	2023	*	-	-	-
Carrot	*	*	-	*	*	-	-	-
Onion	210	132	*	31766	122	*	*	*
Potatoes	4506	4092	511	83971	3519	19916	563	468
Garlic	*	*	-	35468	*	-	-	-
Taro 'Godere'	3902	1700	*	115385	1694	*	*	*
Sweet potatoes	10375	3492	*	104393	3298	*	*	*
Other Temporary	12999	3735	*	162256	3671	*	*	*
Permanent crops	*	927		60318	558			
Avocado	190	47		8691	39			
Bananas	*	779		37350	428			
Guava	*	-		-	-			
Lemons	*	*		*	*			
Mangoes	*	71		15820	60			
Oranges	20	8		4745	8			
Papayas	128	20		10466	20			
Pineapples	*	*		*	*			
Stimulant	6155	3309		148582	3307			
Chat	*	*		*	*			
Coffee	5374	3078		144386	3076			
Hops / 'Gesho'	110	*		*	*			
Enset	14276	12550		285969	12506			
Sugar cane	969	258		20078	251			
Other permanent	781	225		51073	225			

(Table 1.7.10 cont'd.)

Gamo Gofa

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	3623	*	*	21512	4455	3884	417889	197930	55279
Cereals	*	*	*	21038	4362	3689	367897	111078	44250
Teff	*	*	*	*	*	1108	143148	29985	10214
Barley	-	-	-	*	*	*	165584	16431	11412
Wheat	-	-	-	*	*	*	90602	11747	9072
Maize	*	*	*	*	*	*	151896	31896	10210
Sorghum	-	-	-	*	*	*	94304	20946	3320
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	*	*	*
Rice	-	-	-	-	-	-	*	*	*
Pulses	-	-	-	*	*	*	264136	22033	10926
Horse / Faba beans	-	-	-	*	*	*	88809	3356	2088
Field Peas	-	-	-	-	-	-	66789	3515	1714
Haricot beans	-	-	-	*	*	*	167221	14784	7038
Chick peas	-	-	-	-	-	-	*	*	*
Lentils	-	-	-	-	-	-	6030	76	27
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	*	*	*
Fenugreek	-	-	-	-	-	-	15093	32	10
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	*	*	*	-	-	-	21550	493	103
Neug	-	-	-	-	-	-	-	-	-
Linseed	*	*	*	-	-	-	13852	141	39
Groundnuts	-	-	-	-	-	-	3216	*	*
Safflower	-	-	-	-	-	-	*	*	*
Sesame	-	-	-	-	-	-	*	*	*
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	-	-	-	-	-	-	142226	1079	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	3508	6	-
Ethiopian cabbage	-	-	-	-	-	-	127756	899	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	14407	97	-
Red peppers	-	-	-	-	-	-	*	*	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	*	*	*	*	345092	19172	-
Beetroot	-	-	-	-	-	-	2909	*	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	*	*	*	*	*	*	45497	210	-
Potatoes	-	-	-	*	*	*	118307	4506	-
Garlic	-	-	-	-	-	-	36467	*	-
Taro 'Godere'	-	-	-	-	-	-	185094	3894	-
Sweet potatoes	-	-	-	-	-	-	217368	10375	-
Other Temporary	*	*	*	*	*	*	269567	12999	-
Permanent crops							181960	*	
Avocado							24385	190	
Bananas							134191	*	
Guava							*	*	
Lemons							9127	*	
Mangoes							70100	*	
Oranges							11148	20	
Papayas							34285	128	
Pineapples							*	*	
Stimulant							228317	6149	
Chat							27959	*	
Coffee							218270	5369	
Hops / 'Gesho'							10065	110	
Enset							334793	14276	
Sugar cane							52667	969	
Other permanent							107011	781	

(Table 1.7.10 Cont'd.)

Gamo Gofa

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	24909	2128	881	*	*	*	*	77196	13368
Cereals	20594	1863	746	*	*	*	*	65710	11429
Teff	*	*	*	-	-	*	*	21976	5565
Barley	*	*	*	-	-	-	-	14203	658
Wheat	*	*	*	*	*	-	-	21241	1769
Maize	10679	*	*	-	-	*	*	13356	*
Sorghum	-	-	-	-	-	*	*	*	*
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	*	-	-	*	*	12344	679
Horse / Faba beans	-	-	-	-	-	-	-	*	*
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	*	*	*	-	-	*	*	10622	670
Chick peas	-	-	-	-	-	*	*	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	*	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	*	*
Groundnuts	-	-	-	-	-	-	-	*	*
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	-	-	-	*	*	*	*	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	*	*	*	*	*	*
Tomatoes	-	-	-	-	-	*	*	-	-
Green peppers	-	-	-	-	-	*	*	-	-
Red peppers	-	-	-	-	-	*	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	-	*	*	*	*	22939	724
Beetroot	*	*	-	-	-	*	*	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	*	*	*	*	*	*
Potatoes	-	-	-	-	-	-	-	19448	*
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	*	*	-	-	-	*	*	*	*
Sweet potatoes	-	-	-	-	-	*	*	*	*
Other Temporary	*	-	-	*	*	*	*	2009	*
Permanent crops				-	-	*	*	*	*
Avocado				-	-	*	*	*	*
Bananas				-	-	*	*	*	*
Guava				-	-	-	-	-	-
Lemons				-	-	*	*	-	-
Mangoes				-	-	*	*	*	*
Oranges				-	-	-	-	-	-
Papayas				-	-	*	*	*	*
Pineapples				-	-	-	-	-	-
Stimulant	*	*	-	-	-	*	*	-	-
Chat				-	-	*	*	-	-
Coffee	*	*	-	-	-	*	*	-	-
Hops / 'Gesho'				-	-	*	*	-	-
Enset				*	*	*	*		
Sugar cane				-	-	*	*	-	-
Other permanent				-	-	*	*	*	*

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

Benchi - Maji

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	66015	5018	2899	41504	1524	8416	2127	1372
Cereals	34161	3497	2794	2366	94	7989	2044	1282
Teff	2818	424	477	-	-	*	297	204
Barley	2206	*	*	-	-	-	-	-
Wheat	*	*	*	-	-	*	*	*
Maize	12045	1458	1516	2366	94	5339	974	770
Sorghum	14889	*	*	-	-	1076	*	*
Finger millet	*	*	*	-	-	*	*	*
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	*	-	-	-	-	-	-	-
Pulses	6223	*	*	2734	3	*	*	*
Horse / Faba beans	2458	*	*	-	-	*	*	*
Field Peas	2541	-	-	-	-	-	-	-
Haricot beans	*	*	*	2734	3	*	*	*
Chick peas	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	*	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	*	*	*	*	*	*	*	*
Neug	-	-	-	-	-	-	-	-
Linseed	*	-	-	-	-	-	-	-
Groundnuts	*	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	*	*	*	-	-	*	*	*
Rapeseed	*	*	*	*	*	*	*	*
Vegetables	971	136	*	23337	133	*	*	*
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	*	-	-	-	-	-	-	-
Ethiopian cabbage	422	119	*	22351	117	*	*	*
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	25	2	-	2449	2	-	-	-
Red peppers	*	*	-	*	*	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
Root crops	5218	338	*	20268	333	*	*	*
Beetroot	*	-	-	-	-	-	-	-
Carrot	*	*	-	*	*	-	-	-
Onion	*	*	-	*	*	-	-	-
Potatoes	*	*	-	*	*	-	-	-
Garlic	*	*	-	*	*	-	-	-
Taro 'Godere'	4931	333	*	19950	328	*	*	*
Sweet potatoes	*	*	-	623	*	-	-	-
Other Temporary	1088	41	*	10375	40	*	*	*
Permanent crops	2015	96		12617	95			
Avocado	187	*		4997	*			
Bananas	1345	51		7714	49			
Guava	*	-		-	-			
Lemons	*	-		-	-			
Mangoes	292	*		*	*			
Oranges	33	-		-	-			
Papayas	134	17		3153	17			
Pineapples	*	-		-	-			
Stimulant	13572	341		18260	339			
Chat	454	8		2257	6			
Coffee	12923	332		18102	332			
Hops / 'Gesho'	195	*		859	*			
Enset	2211	465		28204	465			
Sugar cane	313	*		*	*			
Other permanent	18	*		4048	*			

(Table 1.7.11 cont'd.)

Benchi - Maji

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	*	*	*	3972	1362	1519	120784	64428	22378
Cereals	*	*	*	3972	1355	1504	90428	32796	17326
Teff	-	-	-	*	*	*	16706	2741	1983
Barley	-	-	-	*	*	*	14034	2206	1912
Wheat	-	-	-	*	*	*	*	*	*
Maize	*	*	*	2015	*	*	53444	10867	5958
Sorghum	-	-	-	*	*	*	53427	14884	5087
Finger millet	-	-	-	-	-	-	*	*	*
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	*	*	*
Pulses	-	-	-	*	*	*	45653	6223	5005
Horse / Faba beans	-	-	-	-	-	-	17145	2458	3056
Field Peas	-	-	-	-	-	-	16558	2541	1167
Haricot beans	-	-	-	*	*	*	28821	*	*
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	*	*	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	*	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	*	*	*
Groundnuts	-	-	-	-	-	-	*	*	*
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	*	-	*
Rapeseed	-	-	-	-	-	-	*	*	*
Vegetables	-	-	-	*	*	*	77338	971	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	2171	*	-
Ethiopian cabbage	-	-	-	*	*	*	69195	422	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	11735	25	-
Red peppers	-	-	-	-	-	-	6341	*	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	-	-	-	-	-	-	96927	5215	-
Beetroot	-	-	-	-	-	-	*	*	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	-	-	-	-	-	-	1813	*	-
Potatoes	-	-	-	-	-	-	*	*	-
Garlic	-	-	-	-	-	-	2959	*	-
Taro 'Godere'	-	-	-	-	-	-	94851	4930	-
Sweet potatoes	-	-	-	-	-	-	7202	*	-
Other Temporary	-	-	-	-	-	-	69794	1088	-
Permanent crops							78550	2007	
Avocado							21620	187	
Bananas							66092	1339	
Guava							2019	*	
Lemons							*	*	
Mangoes							24078	289	
Oranges							7254	33	
Papayas							22981	134	
Pineapples							1777	*	
Stimulant							97821	13373	
Chat							23734	454	
Coffee							95880	12724	
Hops / 'Gesho'							20072	195	
Enset							91560	2209	
Sugar cane							24911	313	
Other permanent							14179	18	

(Table 1.7.11 Cont'd.)

Benchi - Maji

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	8305	1587	498	*	*	*	*	9627	2551
Cereals	6674	1364	496	*	*	-	-	8702	2299
Teff	*	*	*	*	*	-	-	1275	*
Barley	-	-	-	-	-	-	-	*	*
Wheat	*	*	*	*	*	-	-	*	*
Maize	5906	*	369	*	*	-	-	5845	916
Sorghum	*	*	*	*	*	-	-	1190	*
Finger millet	-	-	-	*	*	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	-	-	-	-	1006	*
Horse / Faba beans	-	-	-	-	-	-	-	*	*
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	-	-	854	*
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	*	*	*	-	-	-	-	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	*	*	*	-	-	-	-	*	*
Rapeseed	-	-	-	-	-	-	-	*	*
Vegetables	-	-	-	*	*	-	-	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	*	*	-	-	*	*
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	-	-	*	*
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	-	-	-	-	-	*	*
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	*	*	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	-	-	-
Potatoes	*	*	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	*	*	-	-	-	-	-	*	*
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other Temporary	-	-	-	-	-	-	-	-	-
Permanent crops				-	-	-	-	*	*
Avocado				-	-	-	-	-	-
Bananas				-	-	-	-	*	*
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	-	-	-	-
Oranges				-	-	-	-	-	-
Papayas				-	-	-	-	-	-
Pineapples				-	-	-	-	-	-
Stimulant	991	*	-	-	-	*	*	869	*
Chat				-	-	-	-	-	-
Coffee	991	*	-	-	-	*	*	869	*
Hops / 'Gesho'				-	-	-	-	-	-
Enset				-	-	-	-		
Sugar cane				-	-	-	-	-	-
Other permanent				-	-	-	-	-	-

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

Yem Special Wereda

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	24805	14206	10422	20231	3543	15914	8170	6872
Cereals	17009	10457	9814	14308	531	15721	7492	6365
Teff	5966	5375	4778	395	*	13078	4641	3882
Barley	1659	617	499	1127	61	2324	497	419
Wheat	5759	2673	2384	420	*	6897	2184	1913
Maize	2461	1748	2142	14128	349	1396	165	150
Sorghum	1140	33	*	1373	*	-	-	-
Finger millet	*	*	*	-	-	-	-	-
Oats / 'Aja'	20	*	*	-	-	*	*	*
Rice	*	*	-	*	*	-	-	-
Pulses	4158	1400	506	10505	747	3043	627	460
Horse / Faba beans	1996	638	*	6634	510	1072	*	*
Field Peas	1979	673	346	2249	195	1811	460	317
Haricot beans	61	28	33	4786	11	*	*	*
Chick peas	*	-	-	-	-	-	-	-
Lentils	87	44	*	593	*	449	20	*
Vetch / Grass peas	*	-	-	-	-	-	-	-
Soya beans	*	*	*	-	-	*	*	*
Fenugreek	14	7	-	2307	7	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	337	71	32	4644	44	402	*	*
Neug	*	*	*	-	-	-	-	-
Linseed	192	*	1	*	*	227	*	1
Groundnuts	*	-	-	-	-	-	-	-
Safflower	*	*	-	*	*	-	-	-
Sesame	-	-	-	-	-	-	-	-
Rapeseed	97	56	*	4555	43	*	*	*
Vegetables	141	112	*	17268	105	*	*	*
Lettuce	*	*	-	*	*	-	-	-
Head cabbage	*	*	*	1593	5	*	*	*
Ethiopian cabbage	112	95	*	16869	94	-	-	-
Tomatoes	2	*	-	271	*	-	-	-
Green peppers	7	5	-	3762	5	-	-	-
Red peppers	*	*	*	*	*	-	-	-
Swiss chard	*	*	-	*	*	-	-	-
Root crops	337	217	*	12795	187	670	*	*
Beetroot	8	4	-	1858	4	-	-	-
Carrot	2	*	*	556	*	*	*	*
Onion	1	*	-	499	*	-	-	-
Potatoes	*	*	*	1324	*	*	*	*
Garlic	12	9	*	5153	9	*	*	*
Taro 'Godere'	165	109	-	7503	109	-	-	-
Sweet potatoes	113	63	*	4944	58	*	*	*
Other Temporary	116	84	*	10518	82	*	*	*
Permanent crops	119	56		7052	50			
Avocado	41	28		4499	24			
Bananas	60	20		3580	19			
Guava	3	1		764	1			
Lemons	*	*		*	*			
Mangoes	6	*		*	*			
Oranges	7	*		*	*			
Papayas	1	*		298	*			
Pineapples	*	*		*	*			
Stimulant	613	217		9880	206			
Chat	197	74		5069	72			
Coffee	396	139		8837	129			
Hops / 'Gesho'	20	4		1209	4			
Enset	1819	1545		19242	1544			
Sugar cane	127	35		4091	35			
Other permanent	30	12		3306	12			

(Table 1.7.12 cont'd.)

Yem Special Wereda

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	247	*	18	6094	2437	3532	21830	23567	20409
Cereals	247	*	18	6039	2378	3430	21353	15837	15702
Teff	*	*	*	2406	715	896	16367	5927	3245
Barley	*	*	*	240	*	*	12847	1659	2752
Wheat	187	*	*	1230	369	457	15959	5728	8539
Maize	*	*	*	4465	1229	1989	18688	1363	851
Sorghum	-	-	-	*	*	*	8416	1140	297
Finger millet	-	-	-	*	*	*	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	776	20	18
Rice	-	-	-	-	-	-	*	*	-
Pulses	-	-	-	413	26	*	18700	4138	4647
Horse / Faba beans	-	-	-	*	*	*	14815	1982	2470
Field Peas	-	-	-	*	*	*	10499	1979	2034
Haricot beans	-	-	-	*	*	*	9559	61	*
Chick peas	-	-	-	-	-	-	*	*	*
Lentils	-	-	-	-	-	-	2184	87	59
Vetch / Grass peas	-	-	-	-	-	-	*	*	-
Soya beans	-	-	-	-	-	-	*	*	*
Fenugreek	-	-	-	-	-	-	3367	14	7
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	*	*	*	8567	329	61
Neug	-	-	-	*	*	*	*	*	*
Linseed	-	-	-	-	-	-	2441	191	47
Groundnuts	-	-	-	-	-	-	*	*	*
Safflower	-	-	-	-	-	-	*	*	*
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	*	*	*	6935	97	11
Vegetables	-	-	-	*	*	*	19081	141	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	-	-	-	-	-	-	2508	*	-
Ethiopian cabbage	-	-	-	*	*	*	18423	112	-
Tomatoes	-	-	-	-	-	-	701	2	-
Green peppers	-	-	-	-	-	-	5171	7	-
Red peppers	-	-	-	*	*	*	638	*	-
Swiss chard	-	-	-	-	-	-	*	*	-
Root crops	-	-	-	*	*	*	15321	303	-
Beetroot	-	-	-	-	-	-	3673	8	-
Carrot	-	-	-	-	-	-	1562	2	-
Onion	-	-	-	-	-	-	792	1	-
Potatoes	-	-	-	*	*	*	1640	6	-
Garlic	-	-	-	-	-	-	6598	12	-
Taro 'Godere'	-	-	-	-	-	-	9219	162	-
Sweet potatoes	-	-	-	-	-	-	7559	113	-
Other Temporary	-	-	-	*	*	*	12874	115	-
Permanent crops							10600	115	
Avocado							7532	37	
Bananas							6822	60	
Guava							1859	3	
Lemons							191	*	
Mangoes							1590	6	
Oranges							1713	7	
Papayas							613	1	
Pineapples							*	*	
Stimulant							17509	613	
Chat							10702	197	
Coffee							15584	396	
Hops / 'Gesho'							5328	20	
Enset							20496	1819	
Sugar cane							8546	127	
Other permanent							8365	30	

(Table 1.7.12 Cont'd.)

Yem Special Wereda

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	5511	1238	445	15264	8717	225	*	6629	2694
Cereals	4285	1172	431	15171	8711	*	*	6514	2586
Teff	*	*	*	11589	4169	*	*	2661	943
Barley	-	-	-	2602	591	-	-	*	*
Wheat	*	*	*	9740	3878	-	-	1667	*
Maize	4151	1098	326	334	*	-	-	4468	1086
Sorghum	-	-	-	-	-	-	-	*	*
Finger millet	*	*	*	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	*	*	-	-	*	*
Rice	-	-	-	-	-	-	-	-	-
Pulses	201	19	*	*	*	*	*	664	*
Horse / Faba beans	*	*	*	*	*	-	-	239	*
Field Peas	-	-	-	*	*	*	*	*	*
Haricot beans	-	-	-	-	-	-	-	*	*
Chick peas	*	*	*	-	-	-	-	*	*
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	*	*	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	*	*	*	*	*	-	-	340	*
Neug	*	*	*	-	-	-	-	*	*
Linseed	*	*	*	*	*	-	-	*	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	*	*
Vegetables	*	*	-	-	-	*	*	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	-	-	-	-	*	*
Ethiopian cabbage	-	-	-	-	-	*	*	*	*
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	-	-	-	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	1206	*	-	-	-	*	*	*	*
Beetroot	*	*	-	-	-	*	*	-	-
Carrot	*	*	-	-	-	-	-	*	*
Onion	-	-	-	-	-	-	-	-	-
Potatoes	*	*	-	-	-	-	-	*	*
Garlic	*	*	-	-	-	-	-	*	*
Taro 'Godere'	*	*	-	-	-	-	-	*	*
Sweet potatoes	*	*	-	-	-	-	-	-	-
Other Temporary	*	*	-	-	-	-	-	*	*
Permanent crops				*	*	-	-	*	*
Avocado				-	-	-	-	*	*
Bananas				*	*	-	-	*	*
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	-	-	-	-
Oranges				-	-	-	-	-	-
Papayas				-	-	-	-	-	-
Pineapples				-	-	-	-	*	*
Stimulant	-	-	-	*	*	-	-	*	*
Chat				*	*	-	-	*	*
Coffee	-	-	-	*	*	-	-	*	*
Hops / 'Gesho'				-	-	-	-	-	-
E **Stimulant** nset				-	-	-	-		
Sugar cane				-	-	-	-	*	*
Other permanent				-	-	-	-	-	-

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

Segen Peoples

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	72216	16613	6206	58563	9504	13146	4916	3735
Cereals	48929	7740	4175	20388	*	11502	2684	1962
Teff	9187	2987	*	1546	197	5313	1177	1078
Barley	2092	371	235	2138	85	2540	215	163
Wheat	2167	416	294	*	*	2683	295	253
Maize	19307	1749	654	13216	563	3487	990	378
Sorghum	16161	*	*	10585	*	*	*	*
Finger millet	*	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
Pulses	13551	2939	1902	12424	599	6092	2159	1675
Horse / Faba beans	582	75	*	*	*	*	*	*
Field Peas	749	*	*	*	*	*	*	*
Haricot beans	11508	2769	1816	10467	549	4809	2066	1617
Chick peas	552	*	*	-	-	*	*	*
Lentils	*	*	*	*	*	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	*	-	-	-	-	-	-	-
Fenugreek	*	*	-	*	*	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	15	*	*	-	-	*	*	*
Neug	-	-	-	-	-	-	-	-
Linseed	*	*	*	-	-	*	*	*
Groundnuts	*	-	-	-	-	-	-	-
Safflower	*	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-
Vegetables	415	280	*	27538	276	*	*	*
Lettuce	*	*	-	*	*	-	-	-
Head cabbage	*	*	-	*	*	-	-	-
Ethiopian cabbage	378	264	*	26161	260	*	*	*
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	16	*	-	2914	*	-	-	-
Red peppers	*	*	-	*	*	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
Root crops	505	161	*	16461	161	-	-	-
Beetroot	*	*	-	*	*	-	-	-
Carrot	*	*	-	*	*	-	-	-
Onion	144	*	-	2554	*	-	-	-
Potatoes	53	*	*	*	*	-	-	-
Garlic	*	*	-	*	*	-	-	-
Taro 'Godere'	*	*	-	8865	*	-	-	-
Sweet potatoes	165	48	-	5238	48	-	-	-
Other Temporary	1596	778	*	26323	745	*	*	*
Permanent crops	858	221		15976	203			
Avocado	86	*		4739	*			
Bananas	596	130		11203	112			
Guava	6	*		*	*			
Lemons	*	*		*	*			
Mangoes	*	*		3394	*			
Oranges	*	*		*	*			
Papayas	56	*		2705	*			
Pineapples	-	-		-	-			
Stimulant	2017	1102		23808	1102			
Chat	*	*		*	*			
Coffee	1682	896		21642	896			
Hops / 'Gesho'	37	*		*	*			
Enset	3679	3228		38525	3215			
Sugar cane	380	112		8561	107			
Other permanent	270	49		6345	33			

(Table 1.7.13 cont'd.)

Segen Peoples

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	1783	*	*	3253	1619	*	110527	72025	22766
Cereals	1783	*	*	3082	*	*	97410	48741	14551
Teff	956	*	*	1908	*	*	32844	9187	4106
Barley	*	*	*	*	*	*	24977	2092	1746
Wheat	*	*	*	*	*	*	15774	2167	2143
Maize	*	*	*	1109	*	*	70709	19119	5562
Sorghum	*	*	*	*	*	*	51911	16161	985
Finger millet	-	-	-	-	-	-	*	*	*
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	*	1249	*	*	64385	13551	8211
Horse / Faba beans	*	*	*	*	*	*	11986	582	637
Field Peas	-	-	-	*	*	*	9424	749	620
Haricot beans	-	-	-	1006	*	*	55238	11508	6716
Chick peas	-	-	-	-	-	-	3238	552	138
Lentils	-	-	-	-	-	-	2751	*	81
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	*	*	-
Fenugreek	-	-	-	-	-	-	1816	*	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	1635	15	4
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	*	*	3
Groundnuts	-	-	-	-	-	-	*	*	-
Safflower	-	-	-	-	-	-	*	*	*
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	-	-	-	*	*	*	40859	415	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	*	*	-
Ethiopian cabbage	-	-	-	*	*	*	37607	378	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	3382	15	-
Red peppers	-	-	-	-	-	-	*	*	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	*	-	-	-	32795	504	-
Beetroot	-	-	-	-	-	-	*	*	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	-	-	-	-	-	-	6491	144	-
Potatoes	*	*	*	-	-	-	5844	53	-
Garlic	-	-	-	-	-	-	*	*	-
Taro 'Godere'	-	-	-	-	-	-	13549	*	-
Sweet potatoes	-	-	-	-	-	-	14355	164	-
Other Temporary	*	*	*	*	*	*	50174	1596	-
Permanent crops							43251	858	
Avocado							8030	86	
Bananas							30620	596	
Guava							1531	6	
Lemons							1780	*	
Mangoes							10398	*	
Oranges							1497	*	
Papayas							13799	56	
Pineapples							-	-	
Stimulant							45048	2016	
Chat							9774	*	
Coffee							39783	1681	
Hops / 'Gesho'							4403	37	
Enset							44733	3679	
Sugar cane							17880	380	
Other permanent							34664	269	

(Table 1.7.13 Cont'd.)

Amaro Special Wereda

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	2380	*	*	*	*	17684	8558	12411	*
Cereals	1495	*	*	*	*	12969	*	12206	*
Teff	-	-	-	*	*	2177	313	*	*
Barley	-	-	-	-	-	-	-	*	*
Wheat	-	-	-	*	*	-	-	*	*
Maize	1495	*	*	*	*	11747	*	2916	1223
Sorghum	-	-	-	*	*	*	*	*	*
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	*	*	7189	*	1900	*
Horse / Faba beans	-	-	-	-	-	-	-	*	*
Field Peas	-	-	-	*	*	-	-	-	-
Haricot beans	-	-	-	*	*	7189	*	1776	*
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	*	*	-	-	-	2890	*	*	*
Lettuce	*	*	-	-	-	-	-	-	-
Head cabbage	*	*	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	2890	*	*	*
Tomatoes	*	*	-	-	-	-	-	-	-
Green peppers	*	*	-	-	-	*	*	*	*
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	-	*	*	3161	*	-	-
Beetroot	*	*	-	-	-	-	-	-	-
Carrot	*	*	-	-	-	-	-	-	-
Onion	*	*	-	-	-	*	*	-	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	*	*	1393	*	-	-
Sweet potatoes	*	*	-	*	*	*	*	-	-
Other Temporary	*	*	-	*	*	8075	441	*	*
Permanent crops				-	-	11175	353	*	*
Avocado				-	-	4595	*	-	-
Bananas				-	-	9283	236	*	*
Guava				-	-	*	*	-	-
Lemons				-	-	*	*	-	-
Mangoes				-	-	*	*	-	-
Oranges				-	-	*	*	*	*
Papayas				-	-	*	*	-	-
Pineapples				-	-	-	-	-	-
Stimulant	*	*	-	*	*	10471	768	*	*
Chat				-	-	2043	*	-	-
Coffee	*	*	-	*	*	10471	706	*	*
Hops / 'Gesho'				-	-	-	-	-	-
Enset				*	*	11024	622		
Sugar cane				*	*	*	*	*	*
Other permanent				*	*	*	*	*	*

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

Dawro

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	58810	18583	3639	80506	13166	12572	4975	3372
Cereals	25045	5216	2852	13951	837	12180	4313	2803
Teff	9966	2679	1455	*	*	8104	2628	1435
Barley	1196	*	*	*	*	500	*	*
Wheat	1736	336	277	796	*	1474	*	*
Maize	7989	2058	1085	11520	676	5056	1380	1083
Sorghum	4032	113	-	2600	113	-	-	-
Finger millet	-	-	-	-	-	-	-	-
Oats / 'Aja'	123	-	-	-	-	-	-	-
Rice	*	-	-	-	-	-	-	-
Pulses	17109	1523	*	9317	628	2706	602	499
Horse / Faba beans	7632	425	*	4578	279	*	*	*
Field Peas	6560	295	*	1481	*	529	*	*
Haricot beans	2661	*	*	4245	182	1710	*	*
Chick peas	*	-	-	-	-	-	-	-
Lentils	*	*	-	*	*	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	*	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	210	*	*	1050	*	*	*	*
Neug	-	-	-	-	-	-	-	-
Linseed	94	*	-	*	*	-	-	-
Groundnuts	*	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Rapeseed	*	*	*	*	*	*	*	*
Vegetables	469	420	*	47561	420	*	*	*
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	*	*	-	-	-
Ethiopian cabbage	437	404	-	45491	404	-	-	-
Tomatoes	*	*	*	-	-	*	*	*
Green peppers	17	6	-	3112	6	-	-	-
Red peppers	13	9	-	3886	9	-	-	-
Swiss chard	*	*	-	*	*	-	-	-
Root crops	3506	1522	-	54193	1522	-	-	-
Beetroot	*	*	-	*	*	-	-	-
Carrot	*	*	-	*	*	-	-	-
Onion	4	*	-	927	*	-	-	-
Potatoes	*	*	-	*	*	-	-	-
Garlic	*	*	-	2390	*	-	-	-
Taro 'Godere'	3220	1417	-	50592	1417	-	-	-
Sweet potatoes	257	81	-	6536	81	-	-	-
Other Temporary	967	541	*	33050	443	*	*	*
Permanent crops	871	299		31728	293			
Avocado	216	120		15732	120			
Bananas	479	100		13746	94			
Guava	*	*		*	*			
Lemons	4	*		*	*			
Mangoes	75	20		4570	20			
Oranges	25	3		1918	3			
Papayas	70	55		7503	55			
Pineapples	-	-		-	-			
Stimulant	1615	765		33909	764			
Chat	11	*		*	*			
Coffee	1507	699		32751	698			
Hops / 'Gesho'	97	*		3044	*			
Enset	8881	8186		75150	8186			
Sugar cane	110	54		6991	54			
Other permanent	29	7		3965	7			

(Table 1.7.14 cont'd.)

Dawro

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	*	*	*	*	*	*	85213	57281	24237
Cereals	*	*	*	*	*	*	61045	23531	9696
Teff	*	*	*	-	-	-	36652	9908	2893
Barley	-	-	-	-	-	-	10203	1196	982
Wheat	-	-	-	*	*	*	12695	1736	2295
Maize	*	*	*	-	-	-	27762	6533	2446
Sorghum	-	-	-	-	-	-	25144	4032	1021
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	2308	123	*
Rice	-	-	-	-	-	-	*	*	*
Pulses	*	*	*	-	-	-	56641	17109	14454
Horse / Faba beans	-	-	-	-	-	-	33917	7632	7444
Field Peas	-	-	-	-	-	-	24027	6560	5707
Haricot beans	*	*	*	-	-	-	23260	2661	1161
Chick peas	-	-	-	-	-	-	851	*	*
Lentils	-	-	-	-	-	-	4697	*	129
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	*	*	*
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	8030	210	87
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	6364	94	25
Groundnuts	-	-	-	-	-	-	*	*	*
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	*	*	*
Vegetables	-	-	-	-	-	-	50668	469	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	*	*	-
Ethiopian cabbage	-	-	-	-	-	-	47763	437	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	4651	17	-
Red peppers	-	-	-	-	-	-	5140	13	-
Swiss chard	-	-	-	-	-	-	*	*	-
Root crops	-	-	-	-	-	-	71835	3504	-
Beetroot	-	-	-	-	-	-	*	*	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	-	-	-	-	-	-	1043	4	-
Potatoes	-	-	-	-	-	-	*	*	-
Garlic	-	-	-	-	-	-	3544	*	-
Taro 'Godere'	-	-	-	-	-	-	68155	3218	-
Sweet potatoes	-	-	-	-	-	-	12793	257	-
Other Temporary	*	*	*	*	*	*	45290	966	-
Permanent crops							53333	870	
Avocado							27953	216	
Bananas							37556	478	
Guava							*	*	
Lemons							1579	4	
Mangoes							11561	74	
Oranges							4985	25	
Papayas							11505	70	
Pineapples							-	-	
Stimulant							57621	1614	
Chat							2689	11	
Coffee							55354	1507	
Hops / 'Gesho'							10621	97	
Enset							80333	8869	
Sugar cane							13608	110	
Other permanent							8939	29	

(Table1.7.14 Contd.)

Dawro

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	6999	1530	396	4945	1552	-	-	13704	4811
Cereals	5676	1514	396	*	1549	-	-	11736	4006
Teff	*	*	*	3176	857	-	-	5461	1788
Barley	-	-	-	*	*	-	-	*	-
Wheat	-	-	-	*	*	-	-	1248	*
Maize	5408	1456	380	*	*	-	-	6946	1998
Sorghum	-	-	-	*	*	-	-	*	*
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	*	*	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	*	*	-	-	2178	*
Horse / Faba beans	-	-	-	*	*	-	-	628	*
Field Peas	-	-	-	-	-	-	-	*	*
Haricot beans	-	-	-	-	-	-	-	*	*
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	*	*
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	*	*	-	-	-	-	-	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	*	*	-	-	-	-	-	-	-
Tomatoes	-	-	-	-	-	-	-	*	*
Green peppers	-	-	-	-	-	-	-	-	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	*	*	-	-	-	-	-	-	-
Root crops	*	*	-	-	-	-	-	*	*
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	*	*	-	-	-	-	-	*	*
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other Temporary	*	*	-	*	*	-	-	*	*
Permanent crops				-	-	-	-	478	*
Avocado				-	-	-	-	-	-
Bananas				-	-	-	-	*	*
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	-	-	*	*
Oranges				-	-	-	-	-	-
Papayas				-	-	-	-	-	-
Pineapples				-	-	-	-	-	-
Stimulant	*	*	-	-	-	-	-	*	*
Chat				-	-	-	-	-	-
Coffee	*	*	-	-	-	-	-	*	*
Hops / 'Gesho'				-	-	-	-	-	-
Enset				-	-	-	-		
Sugar cane				-	-	-	-	-	-
Other permanent				-	-	-	-	*	*

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

Basketo Special Wereda

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	7763	2671	1112	14204	1609	1280	244	116
Cereals	3372	1062	947	3596	103	1232	220	98
Teff	1116	231	161	*	*	507	160	63
Barley	113	19	*	*	*	*	*	*
Wheat	*	*	*	-	-	-	-	-
Maize	1496	710	740	2941	50	840	59	34
Sorghum	625	*	*	1195	*	-	-	-
Finger millet	-	-	-	-	-	-	-	-
Oats / 'Aja'	*	*	-	*	*	-	-	-
Rice	-	-	-	-	-	-	-	-
Pulses	527	105	128	2099	22	497	*	10
Horse / Faba beans	16	*	-	*	*	-	-	-
Field Peas	152	3	-	489	3	-	-	-
Haricot beans	356	102	128	1795	19	497	*	10
Chick peas	-	-	-	-	-	-	-	-
Lentils	*	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	*	-	-	-	-	-	-	-
Fenugreek	*	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	*	*	-	*	*	-	-	-
Neug	-	-	-	-	-	-	-	-
Linseed	10	-	-	-	-	-	-	-
Groundnuts	*	-	-	-	-	-	-	-
Safflower	*	*	-	*	*	-	-	-
Sesame	-	-	-	-	-	-	-	-
Rapeseed	*	-	-	-	-	-	-	-
Vegetables	75	36	*	3466	33	*	*	*
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	274	*	-	-	-
Ethiopian cabbage	59	32	*	3214	28	*	*	*
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	*	-	-	-	-	-	-	-
Red peppers	*	*	-	*	*	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
Root crops	1183	200	*	9273	187	350	*	8
Beetroot	*	*	-	273	*	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	1	*	-	463	*	-	-	-
Potatoes	12	4	*	494	3	*	*	*
Garlic	*	*	-	*	*	-	-	-
Taro 'Godere'	444	138	4	7962	135	206	*	*
Sweet potatoes	725	57	*	2305	48	*	*	*
Other Temporary	507	84	*	6769	83	-	-	-
Permanent crops	284	88		7160	87			
Avocado	92	36		4359	36			
Bananas	156	43		3829	42			
Guava	1	*		224	*			
Lemons	*	*		*	*			
Mangoes	27	7		1472	7			
Oranges	1	*		*	*			
Papayas	6	2		920	2			
Pineapples	*	*		*	*			
Stimulant	785	435		11289	435			
Chat	*	*		*	*			
Coffee	771	431		11243	430			
Hops / 'Gesho'	7	*		334	*			
Enset	932	627		12439	626			
Sugar cane	63	16		2282	16			
Other permanent	11	*		888	*			

(Table 1.7.15 cont'd.)

Basketo Special Wereda

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	*	*	*	3903	808	985	18654	7241	1444
Cereals	*	*	*	3903	731	840	15104	2852	1258
Teff	-	-	-	*	*	*	6603	1084	718
Barley	-	-	-	*	*	*	1483	113	101
Wheat	-	-	-	*	*	*	*	*	*
Maize	*	*	*	3448	592	696	10909	1008	314
Sorghum	-	-	-	*	*	*	6334	625	108
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	*	*	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	*	1012	69	117	10186	527	184
Horse / Faba beans	-	-	-	-	-	-	1021	16	*
Field Peas	-	-	-	-	-	-	3233	152	63
Haricot beans	*	*	*	1012	69	117	8908	356	110
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	*	*	-
Fenugreek	-	-	-	-	-	-	*	*	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	992	*	2
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	493	10	2
Groundnuts	-	-	-	-	-	-	*	*	*
Safflower	-	-	-	-	-	-	348	*	*
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	*	*	-
Vegetables	-	-	-	*	*	*	6922	74	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	322	*	-
Ethiopian cabbage	-	-	-	*	*	*	5788	59	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	284	*	-
Red peppers	-	-	-	-	-	-	1190	*	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	*	*	*	*	17516	1183	-
Beetroot	-	-	-	-	-	-	417	*	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	734	1	-
Potatoes	*	*	*	-	-	-	1706	12	-
Garlic	-	-	-	-	-	-	*	*	-
Taro 'Godere'	-	-	-	*	*	*	15696	444	-
Sweet potatoes	-	-	-	*	*	*	13398	725	-
Other Temporary	-	-	-	*	*	*	15599	507	-
Permanent crops							15886	284	
Avocado							10751	92	
Bananas							11134	156	
Guava							497	1	
Lemons							209	*	
Mangoes							5182	27	
Oranges							433	1	
Papayas							2118	6	
Pineapples							274	*	
Stimulant							16831	783	
Chat							477	*	
Coffee							16683	770	
Hops / 'Gesho'							1082	7	
Enset							16259	931	
Sugar cane							6151	63	
Other permanent							2493	11	

(Table 1.7.15 Cont'd.)

Basketo Special Wereda

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	3468	522	191	*	*	*	*	3716	819
Cereals	3361	520	191	-	-	*	*	3575	775
Teff	*	*	*	-	-	-	-	717	*
Barley	-	-	-	-	-	-	-	*	*
Wheat	-	-	-	-	-	-	-	*	*
Maize	3304	488	172	-	-	*	*	3000	515
Sorghum	-	-	-	-	-	*	*	*	*
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	-	-	*	*	717	34
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	*	*	717	34
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	*	*	-	*	*	*	*	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	-	-	-	-	*	*
Ethiopian cabbage	-	-	-	*	*	-	-	*	*
Tomatoes	-	-	-	-	-	-	-	*	*
Green peppers	-	-	-	-	-	-	-	-	-
Red peppers	-	-	-	*	*	*	*	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	-	-	-	*	*	287	*
Beetroot	*	*	-	-	-	-	-	*	*
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	-	*	*
Potatoes	-	-	-	-	-	-	-	*	*
Garlic	-	-	-	-	-	*	*	-	-
Taro 'Godere'	-	-	-	-	-	-	-	*	*
Sweet potatoes	-	-	-	-	-	*	*	-	-
Other Temporary	-	-	-	-	-	*	*	-	-
Permanent crops				-	-	*	*	*	*
Avocado				-	-	-	-	-	-
Bananas				-	-	*	*	*	*
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	-	-	-	-
Oranges				-	-	-	-	-	-
Papayas				-	-	-	-	-	-
Pineapples				-	-	-	-	-	-
Stimulant	*	*	-	-	-	-	-	*	*
Chat				-	-	-	-	-	-
Coffee	*	*	-	-	-	-	-	*	*
Hops / 'Gesho'				-	-	-	-	-	-
Enset				-	-	-	-		
Sugar cane				-	-	-	-	-	-
Other permanent				-	-	-	-	-	-

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

Konta Special Wereda

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	16813	4697	2612	22501	2105	2583	523	318
Cereals	8345	2696	2490	3457	*	2111	369	229
Teff	2410	419	187	*	*	842	163	57
Barley	*	*	*	-	-	*	*	*
Wheat	495	*	*	-	-	456	*	*
Maize	3467	1858	1900	2404	*	727	110	84
Sorghum	1600	*	*	877	*	*	*	*
Finger millet	*	-	-	-	-	-	-	-
Oats / 'Aja'	*	-	-	-	-	-	-	-
Rice	*	*	*	-	-	*	*	*
Pulses	3753	*	*	1379	*	527	*	*
Horse / Faba beans	2133	*	*	*	*	*	*	*
Field Peas	955	*	*	*	*	*	*	*
Haricot beans	619	13	*	686	*	*	*	*
Chick peas	-	-	-	-	-	-	-	-
Lentils	*	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	*	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Gibto	*	-	-	-	-	-	-	-
Oilseeds	*	-	-	-	-	-	-	-
Neug	*	-	-	-	-	-	-	-
Linseed	4	-	-	-	-	-	-	-
Groundnuts	*	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-
Vegetables	140	47	*	8946	45	*	*	*
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	*	*	-	-	-
Ethiopian cabbage	61	43	*	7569	41	*	*	*
Tomatoes	*	-	-	-	-	-	-	-
Green peppers	18	*	-	*	*	-	-	-
Red peppers	*	4	*	1975	4	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
Root crops	1824	329	*	13079	326	-	-	-
Beetroot	*	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	*	*	-	*	*	-	-	-
Potatoes	*	*	-	*	*	-	-	-
Garlic	4	1	-	600	1	-	-	-
Taro 'Godere'	1671	316	*	12272	313	-	-	-
Sweet potatoes	63	11	-	1507	11	-	-	-
Other Temporary	353	173	*	8641	166	-	-	-
Permanent crops	543	112		8748	112			
Avocado	127	38		4045	38			
Bananas	307	43		4609	43			
Guava	7	*		*	*			
Lemons	4	*		*	*			
Mangoes	43	*		1310	*			
Oranges	19	*		1075	*			
Papayas	35	*		3111	*			
Pineapples	*	-		-	-			
Stimulant	471	112		6992	110			
Chat	*	*		*	*			
Coffee	427	111		6992	109			
Hops / 'Gesho'	18	*		*	*			
Enset	1345	961		18595	960			
Sugar cane	20	6		1982	6			
Other permanent	10	*		*	*			

(Table 1.7.16 cont'd.)

Konta Special Wereda

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	*	*	*	5725	2038	2267	30246	15158	5568
Cereals	*	*	*	5642	2003	2234	21857	6693	2642
Teff	*	*	*	603	*	105	12441	2377	880
Barley	-	-	-	*	*	*	*	*	*
Wheat	-	-	-	*	*	*	2303	*	*
Maize	*	*	*	4142	1603	1813	10201	2039	567
Sorghum	-	-	-	-	-	-	9400	1600	631
Finger millet	-	-	-	-	-	-	*	*	*
Oats / 'Aja'	-	-	-	-	-	-	*	*	*
Rice	-	-	-	-	-	-	*	*	*
Pulses	-	-	-	*	*	*	17572	3753	2923
Horse / Faba beans	-	-	-	*	*	*	9685	2133	1891
Field Peas	-	-	-	-	-	-	5482	955	658
Haricot beans	-	-	-	*	*	*	10560	619	339
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	*	*	*
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	*	*	*
Oilseeds	-	-	-	-	-	-	822	*	*
Neug	-	-	-	-	-	-	*	*	*
Linseed	-	-	-	-	-	-	483	4	*
Groundnuts	-	-	-	-	-	-	*	*	*
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	-	-	-	*	*	*	14552	140	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	*	*	-
Ethiopian cabbage	-	-	-	*	*	*	11010	61	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	3016	18	-
Red peppers	-	-	-	*	*	*	4501	*	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	-	-	-	*	*	*	27443	1824	-
Beetroot	-	-	-	-	-	-	*	*	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	1623	*	-
Potatoes	-	-	-	-	-	-	*	*	-
Garlic	-	-	-	-	-	-	1889	4	-
Taro 'Godere'	-	-	-	*	*	*	26534	1671	-
Sweet potatoes	-	-	-	-	-	-	5129	63	-
Other Temporary	-	-	-	*	*	*	18021	353	-
Permanent crops							21550	543	
Avocado							12536	127	
Bananas							17446	307	
Guava							1529	7	
Lemons							1580	4	
Mangoes							6440	43	
Oranges							4036	19	
Papayas							7182	35	
Pineapples							*	*	
Stimulant							19319	468	
Chat							2435	*	
Coffee							18470	424	
Hops / 'Gesho'							3383	18	
Enset							26780	1345	
Sugar cane							4897	20	
Other permanent							4278	10	

(Table 1.7.16 Contd.)

Konta Special Wereda

	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
Crop type	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	5455	1655	447	2430	383	*	*	6334	2098
Cereals	5312	1651	447	2194	362	-	-	5806	1912
Teff	*	*	*	1888	251	-	-	*	*
Barley	*	*	*	*	*	-	-	*	*
Wheat	1247	173	*	*	*	-	-	1655	258
Maize	4067	1428	252	-	-	-	-	3853	1457
Sorghum	-	-	-	*	*	-	-	-	-
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	*	*
Pulses	-	-	-	-	-	-	-	*	*
Horse / Faba beans	-	-	-	-	-	-	-	*	*
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	-	-	*	*
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	-	-	-	-	-	-	-	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	-	-	-	-
Red peppers	-	-	-	-	-	-	-	*	*
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	-	-	-	*	*	-	-	-	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	*	*	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other Temporary	-	-	-	-	-	-	-	*	*
Permanent crops				*	*	-	-	*	*
Avocado				-	-	-	-	-	-
Bananas				-	-	-	-	*	*
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	-	-	-	-
Oranges				-	-	-	-	-	-
Papayas				*	*	-	-	-	-
Pineapples				-	-	-	-	-	-
Stimulant	*	*	-	-	-	*	*	*	*
Chat				-	-	-	-	-	-
Coffee	*	*	-	-	-	*	*	*	*
Hops / 'Gesho'				-	-	-	-	-	-
Enset				*	*	-	-		
Sugar cane				-	-	-	-	-	-
Other permanent				*	*	-	-	-	-

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

Silitie

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	121277	110850	101744	148046	16220	130937	36592	32552
Cereals	92386	85500	85301	60378	3959	115061	30679	27862
Teff	11494	10636	8418	2371	*	12606	1961	*
Barley	8118	7727	7399	20466	644	57236	5038	4708
Wheat	24684	24504	30492	2110	*	44600	8698	9067
Maize	38974	38020	34741	43273	2269	64046	13071	11077
Sorghum	8578	4118	3824	10797	553	26051	1704	1635
Finger millet	*	*	*	*	*	*	*	*
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
Pulses	9451	8133	5705	46031	1693	71941	4826	3482
Horse / Faba beans	4982	4558	2907	35097	1091	56316	2877	2184
Field Peas	2780	2538	2007	10235	280	27560	1607	1055
Haricot beans	782	554	484	4919	*	5176	*	*
Chick peas	581	264	146	*	*	*	*	*
Lentils	*	*	-	*	*	-	-	-
Vetch / Grass peas	*	*	-	*	*	-	-	-
Soya beans	*	*	*	-	-	-	-	-
Fenugreek	94	59	59	*	*	*	*	*
Gibto	-	-	-	-	-	-	-	-
Oilseeds	179	125	55	3884	50	-	-	-
Neug	-	-	-	-	-	-	-	-
Linseed	149	100	*	2104	*	-	-	-
Groundnuts	*	-	-	-	-	-	-	-
Safflower	*	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Rapeseed	*	*	*	*	*	-	-	-
Vegetables	8857	8170	9832	122680	2273	11916	797	861
Lettuce	*	*	-	*	*	-	-	-
Head cabbage	49	43	*	8323	41	*	*	*
Ethiopian cabbage	2594	2313	205	120188	2153	4890	50	43
Tomatoes	*	2	*	*	*	*	*	*
Green peppers	*	*	*	*	*	*	*	*
Red peppers	6142	5754	9590	3897	62	7020	729	*
Swiss chard	*	*	*	*	*	-	-	-
Root crops	180	161	86	22063	*	3848	36	46
Beetroot	9	8	*	4793	7	*	*	*
Carrot	11	11	*	7199	10	-	-	-
Onion	47	*	*	*	*	*	*	*
Potatoes	*	*	*	*	*	*	*	*
Garlic	17	14	*	5959	10	*	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	*	-	-	-	-	-	-	-
Other Temporary	671	589	424	21655	235	5304	131	137
Permanent crops	325	196		23762	150			
Avocado	46	20		7173	20			
Bananas	102	88		10484	67			
Guava	8	8		2460	8			
Lemons	*	*		*	*			
Mangoes	33	*		2713	*			
Oranges	6	*		2118	*			
Papayas	112	34		9573	25			
Pineapples	-	-		-	-			
Stimulant	3350	2198		65016	1986			
Chat	2893	1860		55019	1700			
Coffee	447	329		32010	284			
Hops / 'Gesho'	*	*		*	*			
Enset	5754	5682		74540	5677			
Sugar cane	24	*		3607	*			
Other permanent	100	77		14758	74			

(Table 1.7.17 cont'd.)

Silitie

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	16143	2273	1121	116990	55766	68071	187389	90236	81660
Cereals	10539	1784	793	108198	49078	56646	177896	61458	72422
Teff	*	*	*	30993	7753	6940	46919	10720	3551
Barley	2000	150	166	17127	1895	2525	89382	8063	16162
Wheat	*	*	*	61396	15353	21320	98814	23525	45586
Maize	3190	380	163	84437	22299	23501	80657	10046	4696
Sorghum	2413	358	122	22920	1503	2067	73950	8578	2220
Finger millet	-	-	-	*	*	*	10562	*	*
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	3181	*	92	24597	1452	2131	132267	9379	9050
Horse / Faba beans	*	*	*	13297	558	692	104904	4927	5393
Field Peas	*	*	*	9387	*	*	51737	2775	2716
Haricot beans	*	*	*	4327	175	284	17001	769	465
Chick peas	*	*	*	*	*	*	10016	581	274
Lentils	-	-	-	-	-	-	*	*	-
Vetch / Grass peas	-	-	-	-	-	-	*	*	*
Soya beans	-	-	-	*	*	*	*	*	*
Fenugreek	-	-	-	*	*	*	6414	94	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	*	*	*	*	*	53	9961	179	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	*	*	*	*	*	*	6371	149	*
Groundnuts	-	-	-	-	-	-	*	*	-
Safflower	-	-	-	-	-	-	*	*	*
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	*	*	*	2987	*	*
Vegetables	5473	*	145	36922	4884	8826	156179	8839	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	-	-	-	*	*	*	9259	46	-
Ethiopian cabbage	4021	49	47	5584	62	115	141409	2594	-
Tomatoes	*	*	*	-	-	-	*	*	-
Green peppers	-	-	-	*	*	*	*	*	-
Red peppers	2621	*	*	32736	4796	8698	48655	6128	-
Swiss chard	-	-	-	*	*	*	*	*	-
Root crops	*	*	*	2003	*	*	28675	175	-
Beetroot	*	*	*	-	-	-	6006	8	-
Carrot	-	-	-	*	*	*	7762	11	-
Onion	*	*	*	*	*	*	5881	46	-
Potatoes	-	-	-	*	*	*	*	*	-
Garlic	-	-	-	-	-	-	6549	15	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	*	*	-
Other Temporary	*	*	*	4565	*	*	39142	659	-
Permanent crops							38364	319	
Avocado							11818	45	
Bananas							17264	102	
Guava							2460	8	
Lemons							*	*	
Mangoes							4215	*	
Oranges							4251	6	
Papayas							16389	108	
Pineapples							-	-	
Stimulant							90180	3350	
Chat							80406	2893	
Coffee							46109	447	
Hops / 'Gesho'							*	*	
Enset							80913	5754	
Sugar cane							5159	24	
Other permanent							24907	100	

(Table 1.7.17 Cont'd.)

Silitie

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	117919	31041	9864	106324	33768	*	*	106074	37921
Cereals	117341	30927	9840	99473	32047	*	*	105495	36048
Teff	3309	773	195	35631	8847	*	*	12686	2936
Barley	*	*	*	26592	2377	*	*	*	*
Wheat	5955	1159	2298	71643	18654	*	*	20687	4394
Maize	115875	28927	7068	6905	1729	*	*	97752	26850
Sorghum	-	-	-	1671	113	*	*	22040	1454
Finger millet	*	*	*	*	*	-	-	*	*
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	*	5209	408	*	*	15194	901
Horse / Faba beans	*	*	*	3427	*	*	*	*	*
Field Peas	*	*	*	*	*	-	-	6063	*
Haricot beans	*	*	*	*	*	-	-	4152	104
Chick peas	-	-	-	-	-	-	-	*	*
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	*	*
Soya beans	-	-	-	-	-	-	-	*	*
Fenugreek	-	-	-	-	-	-	-	*	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	*	*
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	*	*	-	7717	*	*	*	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	*	*	*	*	*	*
Ethiopian cabbage	-	-	-	1702	*	*	*	2690	*
Tomatoes	-	-	-	*	*	*	*	-	-
Green peppers	-	-	-	-	-	-	-	-	-
Red peppers	*	*	-	*	*	-	-	*	*
Swiss chard	*	*	-	-	-	-	-	-	-
Root crops	*	*	-	*	*	*	*	*	*
Beetroot	*	*	-	*	*	*	*	*	*
Carrot	-	-	-	*	*	*	*	-	-
Onion	*	*	-	*	*	*	*	*	*
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	*	*	-	-	-	*	*	*	*
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other Temporary	*	*	-	*	*	*	*	4667	*
Permanent crops				*	*	*	*	1828	*
Avocado				*	*	*	*	*	*
Bananas				-	-	*	*	1223	*
Guava				-	-	-	-	-	-
Lemons				-	-	*	*	-	-
Mangoes				-	-	*	*	-	-
Oranges				*	*	-	-	-	-
Papayas				*	*	*	*	*	*
Pineapples				-	-	-	-	-	-
Stimulant	*	*	-	8408	315	*	*	3328	*
Chat				7819	311	*	*	*	*
Coffee	*	*	-	*	*	*	*	*	*
Hops / 'Gesho'				-	-	-	-	-	-
Enset				*	*	-	-		
Sugar cane				-	-	*	*	-	-
Other permanent				*	*	-	-	-	-

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

Alaba Special Wereda

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	47975	34304	27741	38914	5211	41280	23694	19336
Cereals	38159	26115	18902	27378	2828	39028	20087	15231
Teff	8885	8310	5266	*	*	21801	6355	3646
Barley	374	*	*	*	*	1994	*	*
Wheat	3876	2312	2692	*	*	9354	2046	2318
Maize	19446	12371	8474	26199	2312	28261	9238	7250
Sorghum	3523	1447	1539	11003	368	14262	990	1189
Finger millet	2056	1493	734	2056	68	12137	1301	649
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
Pulses	1260	597	441	6727	179	8379	396	407
Horse / Faba beans	*	*	*	-	-	*	*	*
Field Peas	*	*	*	-	-	*	*	*
Haricot beans	1103	502	385	6482	169	6774	311	352
Chick peas	*	-	-	-	-	-	-	-
Lentils	*	*	*	*	*	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	30	*	*	*	*	*	*	*
Gibto	-	-	-	-	-	-	-	-
Oilseeds	*	*	*	610	*	*	*	*
Neug	-	-	-	-	-	-	-	-
Linseed	*	*	*	*	*	*	*	*
Groundnuts	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	*	-	-	-	-	-	-	-
Rapeseed	*	*	-	*	*	-	-	-
Vegetables	6314	5791	7175	34247	850	20763	2994	3411
Lettuce	*	*	-	*	*	-	-	-
Head cabbage	30	16	*	4529	15	*	*	*
Ethiopian cabbage	976	795	67	33963	744	2466	40	50
Tomatoes	*	*	-	*	*	-	-	-
Green peppers	*	*	*	985	*	*	*	*
Red peppers	5295	4968	7105	2524	80	19827	2953	3359
Swiss chard	*	*	-	*	*	-	-	-
Root crops	*	*	*	6405	43	1174	*	*
Beetroot	*	*	-	1249	*	-	-	-
Carrot	*	*	-	*	*	-	-	-
Onion	*	*	-	1497	*	-	-	-
Potatoes	*	*	*	2599	*	*	*	*
Garlic	*	*	-	*	*	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	2	2	*	*	*	*	*	*
Other Temporary	442	362	129	14437	277	3691	83	124
Permanent crops	61	44		8316	44			
Avocado	7	4		1504	4			
Bananas	37	24		5639	24			
Guava	*	*		*	*			
Lemons	*	-		-	-			
Mangoes	*	*		*	*			
Oranges	*	*		*	*			
Papayas	*	*		2460	*			
Pineapples	-	-		-	-			
Stimulant	1270	989		22808	940			
Chat	1096	848		19297	806			
Coffee	174	141		10016	134			
Hops / 'Gesho'	-	-		-	-			
Enset	37	34		7032	34			
Sugar cane	*	*		1434	*			
Other permanent	*	*		1194	3			

(Table 1.7.20 cont'd.)

Alaba Special Wereda

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	1541	238	96	12629	5161	8309	52277	40609	19597
Cereals	988	138	65	7261	3062	3605	51429	30811	18524
Teff	517	82	21	4824	1819	1600	27406	8397	2583
Barley	*	*	*	*	*	*	4428	352	630
Wheat	*	*	*	*	*	*	14010	3664	7863
Maize	*	*	*	2798	787	1193	45582	12834	5741
Sorghum	*	*	*	1111	*	*	36219	3523	1041
Finger millet	*	*	*	1226	119	83	24383	2041	665
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	*	*	*	*	21221	1260	1062
Horse / Faba beans	-	-	-	-	-	-	*	*	*
Field Peas	-	-	-	-	-	-	*	*	*
Haricot beans	*	*	*	*	*	*	18140	1103	984
Chick peas	-	-	-	-	-	-	*	*	*
Lentils	-	-	-	-	-	-	*	*	*
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	1320	30	12
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	2718	*	11
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	2143	*	10
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	*	*	*
Rapeseed	-	-	-	-	-	-	*	*	-
Vegetables	*	*	*	8680	1850	3736	47349	6313	-
Lettuce	-	-	-	-	-	-	*	*	-
Head cabbage	-	-	-	-	-	-	4944	29	-
Ethiopian cabbage	-	-	-	496	*	*	41387	976	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	1229	*	-
Red peppers	*	*	*	8425	1838	3719	31957	5295	-
Swiss chard	-	-	-	-	-	-	*	*	-
Root crops	-	-	-	*	*	*	8391	*	-
Beetroot	-	-	-	-	-	-	1692	*	-
Carrot	-	-	-	-	-	-	*	*	-
Onion	-	-	-	-	-	-	1744	*	-
Potatoes	-	-	-	*	*	*	3994	*	-
Garlic	-	-	-	-	-	-	*	*	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	485	2	-
Other Temporary	-	-	-	*	*	*	19867	442	-
Permanent crops							10334	60	
Avocado							1875	6	
Bananas							7026	37	
Guava							*	*	
Lemons							*	*	
Mangoes							500	*	
Oranges							*	*	
Papayas							2844	*	
Pineapples							-	-	
Stimulant							29096	1266	
Chat							25452	1096	
Coffee							12330	171	
Hops / 'Gesho'							-	-	
Enset							8040	37	
Sugar cane							2043	*	
Other permanent							2088	*	

(Table 1.7.20 Cont'd.)

Alaba Special Wereda

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	21990	7366	2100	26415	9464	-	-	16806	6166
Cereals	21451	7349	2100	25905	8940	-	-	16417	5879
Teff	1017	*	*	18581	6091	-	-	*	*
Barley	*	*	*	2041	*	-	-	-	-
Wheat	*	*	*	9033	2256	-	-	*	*
Maize	20473	6611	1627	*	*	-	-	15066	4751
Sorghum	-	-	-	*	*	-	-	6857	513
Finger millet	*	*	*	*	*	-	-	*	*
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	-	-	-	-	2621	146
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	-	-	2621	146
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	*	*	-	2023	347	-	-	*	30
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	*	*	-	-	-	-	-	*	*
Ethiopian cabbage	-	-	-	*	*	-	-	*	*
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	-	-	-	-
Red peppers	-	-	-	*	347	-	-	*	*
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	-	*	*	-	-	*	*
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	*	*	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	-	-	-
Potatoes	-	-	-	*	*	-	-	*	*
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	*	*
Other Temporary	-	-	-	-	-	-	-	2324	51
Permanent crops				-	-	-	-	-	-
Avocado				-	-	-	-	-	-
Bananas				-	-	-	-	-	-
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	-	-	-	-
Oranges				-	-	-	-	-	-
Papayas				-	-	-	-	-	-
Pineapples				-	-	-	-	-	-
Stimulant	*	*	-	843	*	-	-	*	*
Chat				*	*	-	-	*	*
Coffee	*	*	-	*	*	-	-	*	*
Hops / 'Gesho'				-	-	-	-	-	-
Enset				-	-	-	-		
Sugar cane				-	-	-	-	-	-
Other permanent				-	-	-	-	*	*

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

Gambella Region

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	17438	*	-	*	*	-	-	-
Cereals	8769	-	-	-	-	-	-	-
Teff	*	-	-	-	-	-	-	-
Barley	27	-	-	-	-	-	-	-
Wheat	*	-	-	-	-	-	-	-
Maize	5071	-	-	-	-	-	-	-
Sorghum	3662	-	-	-	-	-	-	-
Finger millet	-	-	-	-	-	-	-	-
Oats / 'Aja'	*	-	-	-	-	-	-	-
Rice	*	-	-	-	-	-	-	-
Pulses	*	-	-	-	-	-	-	-
Horse / Faba beans	*	-	-	-	-	-	-	-
Field Peas	*	-	-	-	-	-	-	-
Haricot beans	*	-	-	-	-	-	-	-
Chick peas	-	-	-	-	-	-	-	-
Lentils	*	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	30	-	-	-	-	-	-	-
Neug	*	-	-	-	-	-	-	-
Linseed	*	-	-	-	-	-	-	-
Groundnuts	7	-	-	-	-	-	-	-
Safflower	*	-	-	-	-	-	-	-
Sesame	*	-	-	-	-	-	-	-
Rapeseed	*	-	-	-	-	-	-	-
Vegetables	177	*	-	*	*	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	*	-	-	-	-	-	-	-
Ethiopian cabbage	39	*	-	*	*	-	-	-
Tomatoes	*	-	-	-	-	-	-	-
Green peppers	38	-	-	-	-	-	-	-
Red peppers	*	*	-	*	*	-	-	-
Swiss chard	*	-	-	-	-	-	-	-
Root crops	305	*	-	*	*	-	-	-
Beetroot	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	*	-	-	-	-	-	-	-
Potatoes	*	-	-	-	-	-	-	-
Garlic	*	-	-	-	-	-	-	-
Taro 'Godere'	106	*	-	*	*	-	-	-
Sweet potatoes	181	*	-	*	*	-	-	-
Other Temporary	1502	-	-	-	-	-	-	-
Permanent crops	689	*		*	*			
Avocado	104	*		*	*			
Bananas	219	*		*	*			
Guava	*	-		-	-			
Lemons	5	-		-	-			
Mangoes	180	*		*	*			
Oranges	14	-		-	-			
Papayas	*	*		*	*			
Pineapples	11	-		-	-			
Stimulant	5383	*		*	*			
Chat	*	*		*	*			
Coffee	4959	-		-	-			
Hops / 'Gesho'	32	-		-	-			
Enset	398	*		*	*			
Sugar cane	130	*		*	*			
Other permanent	5	-		-	-			

(Table 1.9 cont'd.)

Gambella Region

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	-	-	-	-	-	-	49845	17397	3047
Cereals	-	-	-	-	-	-	35525	8748	3017
Teff	-	-	-	-	-	-	*	*	*
Barley	-	-	-	-	-	-	181	27	*
Wheat	-	-	-	-	-	-	*	*	*
Maize	-	-	-	-	-	-	25520	5050	2000
Sorghum	-	-	-	-	-	-	12390	3662	1005
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	*	*	-
Rice	-	-	-	-	-	-	*	*	*
Pulses	-	-	-	-	-	-	3380	*	*
Horse / Faba beans	-	-	-	-	-	-	*	*	*
Field Peas	-	-	-	-	-	-	*	*	*
Haricot beans	-	-	-	-	-	-	3269	*	*
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	*	*	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	1426	30	13
Neug	-	-	-	-	-	-	*	*	*
Linseed	-	-	-	-	-	-	*	*	-
Groundnuts	-	-	-	-	-	-	722	7	4
Safflower	-	-	-	-	-	-	270	*	*
Sesame	-	-	-	-	-	-	*	*	*
Rapeseed	-	-	-	-	-	-	*	*	*
Vegetables	-	-	-	-	-	-	8769	177	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	187	*	-
Ethiopian cabbage	-	-	-	-	-	-	4729	39	-
Tomatoes	-	-	-	-	-	-	1065	*	-
Green peppers	-	-	-	-	-	-	1737	38	-
Red peppers	-	-	-	-	-	-	2700	*	-
Swiss chard	-	-	-	-	-	-	*	*	-
Root crops	-	-	-	-	-	-	12983	305	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	*	*	-
Potatoes	-	-	-	-	-	-	163	*	-
Garlic	-	-	-	-	-	-	*	*	-
Taro 'Godere'	-	-	-	-	-	-	7417	106	-
Sweet potatoes	-	-	-	-	-	-	6775	181	-
Other Temporary	-	-	-	-	-	-	13937	1502	-
Permanent crops							23286	689	
Avocado							7518	104	
Bananas							10377	219	
Guava							657	*	
Lemons							724	5	
Mangoes							11880	180	
Oranges							2216	14	
Papayas							10707	*	
Pineapples							816	11	
Stimulant							13126	5365	
Chat							3047	*	
Coffee							12576	4941	
Hops / 'Gesho'							2301	32	
Enset							9162	398	
Sugar cane							7928	130	
Other permanent							2808	4	

(Table 1.9 Cont'd.)

Gambella Region

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	473	*	*	1240	323	*	*	134	*
Cereals	*	*	*	1050	212	-	-	*	*
Teff	-	-	-	*	*	-	-	-	-
Barley	-	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-	-
Maize	*	*	*	*	*	-	-	*	*
Sorghum	-	-	-	977	208	-	-	*	*
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	*	-	-	-	-	-	-
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	*	*	*	-	-	-	-	-	-
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	*	*	-	*	*	*	*	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	*	*
Tomatoes	*	*	-	*	*	*	*	-	-
Green peppers	-	-	-	-	-	-	-	-	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	-	-	-	*	*	-	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	*	*	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	*	*	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other Temporary	*	*	-	-	-	-	-	-	-
Permanent crops				*	*	*	*	-	-
Avocado				*	*	*	*	-	-
Bananas				*	*	*	*	-	-
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	*	*	-	-
Oranges				-	-	-	-	-	-
Papayas				-	-	-	-	-	-
Pineapples				-	-	-	-	-	-
Stimulant	*	*	-	*	*	*	*	-	-
Chat				*	*	-	-	-	-
Coffee	*	*	-	*	*	*	*	-	-
Hops / 'Gesho'				-	-	-	-	-	-
Enset				-	-	*	*		
Sugar cane				-	-	-	-	-	-
Other permanent				-	-	-	-	-	-

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

Agnuwak zone

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	4148	*	-	*	*	-	-	-
Cereals	2372	-	-	-	-	-	-	-
Teff	-	-	-	-	-	-	-	-
Barley	*	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-
Maize	1447	-	-	-	-	-	-	-
Sorghum	*	-	-	-	-	-	-	-
Finger millet	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	*	-	-	-	-	-	-	-
Pulses	*	-	-	-	-	-	-	-
Horse / Faba beans	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-
Haricot beans	*	-	-	-	-	-	-	-
Chick peas	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	28	-	-	-	-	-	-	-
Neug	*	-	-	-	-	-	-	-
Linseed	*	-	-	-	-	-	-	-
Groundnuts	7	-	-	-	-	-	-	-
Safflower	*	-	-	-	-	-	-	-
Sesame	*	-	-	-	-	-	-	-
Rapeseed	*	-	-	-	-	-	-	-
Vegetables	*	-	-	-	-	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	*	-	-	-	-	-	-	-
Ethiopian cabbage	*	-	-	-	-	-	-	-
Tomatoes	*	-	-	-	-	-	-	-
Green peppers	*	-	-	-	-	-	-	-
Red peppers	*	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
Root crops	173	*	-	*	*	-	-	-
Beetroot	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	*	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-
Taro 'Godere'	29	-	-	-	-	-	-	-
Sweet potatoes	138	*	-	*	*	-	-	-
Other Temporary	1067	-	-	-	-	-	-	-
Permanent crops	245	-		-	-			
Avocado	*	-		-	-			
Bananas	*	-		-	-			
Guava	*	-		-	-			
Lemons	2	-		-	-			
Mangoes	51	-		-	-			
Oranges	*	-		-	-			
Papayas	*	-		-	-			
Pineapples	-	-		-	-			
Stimulant	*	-		-	-			
Chat	*	-		-	-			
Coffee	*	-		-	-			
Hops / 'Gesho'	*	-		-	-			
Enset	*	-		-	-			
Sugar cane	*	-		-	-			
Other permanent	3	-		-	-			

(Table 1.9.1 cont'd.)

Agnuwak zone

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	-	-	-	-	-	-	15681	4147	748
Cereals	-	-	-	-	-	-	6691	2372	732
Teff	-	-	-	-	-	-	-	-	-
Barley	-	-	-	-	-	-	*	*	*
Wheat	-	-	-	-	-	-	-	-	-
Maize	-	-	-	-	-	-	4541	1447	509
Sorghum	-	-	-	-	-	-	2709	*	*
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	*	*	*
Pulses	-	-	-	-	-	-	2268	*	*
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	-	2268	*	*
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	1134	28	8
Neug	-	-	-	-	-	-	*	*	*
Linseed	-	-	-	-	-	-	*	*	-
Groundnuts	-	-	-	-	-	-	722	7	4
Safflower	-	-	-	-	-	-	*	*	*
Sesame	-	-	-	-	-	-	*	*	*
Rapeseed	-	-	-	-	-	-	*	*	*
Vegetables	-	-	-	-	-	-	2391	*	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	*	*	-
Ethiopian cabbage	-	-	-	-	-	-	*	*	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	327	*	-
Red peppers	-	-	-	-	-	-	1548	*	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	-	-	-	-	-	-	6694	172	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	*	*	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	1961	29	-
Sweet potatoes	-	-	-	-	-	-	5415	138	-
Other Temporary	-	-	-	-	-	-	7208	1067	-
Permanent crops							8963	245	
Avocado							*	*	
Bananas							3103	*	
Guava							*	*	
Lemons							364	2	
Mangoes							3740	51	
Oranges							*	*	
Papayas							6004	*	
Pineapples							-	-	
Stimulant							*	*	
Chat							*	*	
Coffee							*	*	
Hops / 'Gesho'							*	*	
Enset							*	*	
Sugar cane							1279	*	
Other permanent							725	2	

(Table 1.9.1 Cont'd.)

Agnuwak zone

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

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

Nuwere Zone

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	2615	-	-	-	-	-	-	-
Cereals	2592	-	-	-	-	-	-	-
Teff	-	-	-	-	-	-	-	-
Barley	*	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-
Maize	2591	-	-	-	-	-	-	-
Sorghum	-	-	-	-	-	-	-	-
Finger millet	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
Pulses	-	-	-	-	-	-	-	-
Horse / Faba beans	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	-	-	-
Chick peas	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-
Vegetables	-	-	-	-	-	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-
Tomatoes	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	-	-	-
Red peppers	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
Root crops	-	-	-	-	-	-	-	-
Beetroot	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-
Other Temporary	23	-	-	-	-	-	-	-
Permanent crops	*	-		-	-			
Avocado	-	-		-	-			
Bananas	-	-		-	-			
Guava	-	-		-	-			
Lemons	-	-		-	-			
Mangoes	*	-		-	-			
Oranges	-	-		-	-			
Papayas	-	-		-	-			
Pineapples	-	-		-	-			
Stimulant	-	-		-	-			
Chat	-	-		-	-			
Coffee	-	-		-	-			
Hops / 'Gesho'	-	-		-	-			
Enset	-	-		-	-			
Sugar cane	-	-		-	-			
Other permanent	-	-		-	-			

(Table 1.9.2 cont'd.)

Nuwere Zone

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	-	-	-	-	-	-	12655	2593	1092
Cereals	-	-	-	-	-	-	12623	2571	1092
Teff	-	-	-	-	-	-	-	-	-
Barley	-	-	-	-	-	-	*	*	-
Wheat	-	-	-	-	-	-	-	-	-
Maize	-	-	-	-	-	-	12623	2570	1092
Sorghum	-	-	-	-	-	-	-	-	-
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	-	-	-	-	-	-
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	-	-	-	-
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	-	-	-	-	-	-	-	-	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	-	-	-	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	-	-	-	-	-	-	-	-	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other Temporary	-	-	-	-	-	-	1062	23	-
Permanent crops							*	*	
Avocado							-	-	
Bananas							-	-	
Guava							-	-	
Lemons							-	-	
Mangoes							*	*	
Oranges							-	-	
Papayas							-	-	
Pineapples							-	-	
Stimulant							-	-	
Chat							-	-	
Coffee							-	-	
Hops / 'Gesho'							-	-	
Enset							-	-	
Sugar cane							-	-	
Other permanent							-	-	

(Table 1.9.2 Cont'd.)

Nuwere Zone

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

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

Mezengir Zone

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	9760	*	-	*	*	-	-	-
Cereals	2998	-	-	-	-	-	-	-
Teff	*	-	-	-	-	-	-	-
Barley	*	-	-	-	-	-	-	-
Wheat	*	-	-	-	-	-	-	-
Maize	233	-	-	-	-	-	-	-
Sorghum	2758	-	-	-	-	-	-	-
Finger millet	-	-	-	-	-	-	-	-
Oats / 'Aja'	*	-	-	-	-	-	-	-
Rice	*	-	-	-	-	-	-	-
Pulses	12	-	-	-	-	-	-	-
Horse / Faba beans	*	-	-	-	-	-	-	-
Field Peas	*	-	-	-	-	-	-	-
Haricot beans	*	-	-	-	-	-	-	-
Chick peas	-	-	-	-	-	-	-	-
Lentils	*	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	1	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-
Linseed	*	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-
Safflower	*	-	-	-	-	-	-	-
Sesame	*	-	-	-	-	-	-	-
Rapeseed	*	-	-	-	-	-	-	-
Vegetables	98	*	-	*	*	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	*	-	-	-	-	-	-	-
Ethiopian cabbage	33	*	-	*	*	-	-	-
Tomatoes	*	-	-	-	-	-	-	-
Green peppers	36	-	-	-	-	-	-	-
Red peppers	23	*	-	*	*	-	-	-
Swiss chard	*	-	-	-	-	-	-	-
Root crops	125	*	-	*	*	-	-	-
Beetroot	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	*	-	-	-	-	-	-	-
Potatoes	*	-	-	-	-	-	-	-
Garlic	*	-	-	-	-	-	-	-
Taro 'Godere'	75	*	-	*	*	-	-	-
Sweet potatoes	38	-	-	-	-	-	-	-
Other Temporary	411	-	-	-	-	-	-	-
Permanent crops	351	*		*	*			
Avocado	103	*		*	*			
Bananas	124	*		*	*			
Guava	1	-		-	-			
Lemons	3	-		-	-			
Mangoes	74	*		*	*			
Oranges	14	-		-	-			
Papayas	22	*		*	*			
Pineapples	11	-		-	-			
Stimulant	5265	*		*	*			
Chat	*	*		*	*			
Coffee	4845	-		-	-			
Hops / 'Gesho'	29	-		-	-			
Enset	397	*		*	*			
Sugar cane	100	*		*	*			
Other permanent	2	-		-	-			

(Table 1.9.3 cont'd.)

Mezengir Zone

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	-	-	-	-	-	-	16371	9742	889
Cereals	-	-	-	-	-	-	11113	2998	875
Teff	-	-	-	-	-	-	*	*	*
Barley	-	-	-	-	-	-	*	*	-
Wheat	-	-	-	-	-	-	*	*	*
Maize	-	-	-	-	-	-	3259	233	83
Sorghum	-	-	-	-	-	-	9681	2758	788
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	*	*	-
Rice	-	-	-	-	-	-	*	*	*
Pulses	-	-	-	-	-	-	1113	12	*
Horse / Faba beans	-	-	-	-	-	-	*	*	*
Field Peas	-	-	-	-	-	-	*	*	*
Haricot beans	-	-	-	-	-	-	1001	*	*
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	*	*	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	292	1	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	*	*	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	*	*	*
Sesame	-	-	-	-	-	-	*	*	*
Rapeseed	-	-	-	-	-	-	*	*	*
Vegetables	-	-	-	-	-	-	6233	98	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	142	*	-
Ethiopian cabbage	-	-	-	-	-	-	4593	33	-
Tomatoes	-	-	-	-	-	-	360	*	-
Green peppers	-	-	-	-	-	-	1385	36	-
Red peppers	-	-	-	-	-	-	1153	23	-
Swiss chard	-	-	-	-	-	-	*	*	-
Root crops	-	-	-	-	-	-	5884	125	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	144	*	-
Potatoes	-	-	-	-	-	-	163	*	-
Garlic	-	-	-	-	-	-	*	*	-
Taro 'Godere'	-	-	-	-	-	-	5230	75	-
Sweet potatoes	-	-	-	-	-	-	*	38	-
Other Temporary	-	-	-	-	-	-	5562	411	-
Permanent crops							12075	351	
Avocado							7296	103	
Bananas							6078	124	
Guava							509	1	
Lemons							360	3	
Mangoes							6260	74	
Oranges							2082	14	
Papayas							4316	22	
Pineapples							816	11	
Stimulant							12219	5247	
Chat							2866	*	
Coffee							11669	4827	
Hops / 'Gesho'							2029	29	
Enset							9095	397	
Sugar cane							6613	100	
Other permanent							2070	2	

(Table 1.9.3 Cont'd.)

Mezengir Zone

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	159	*	-	1224	319	*	*	*	*
Cereals	-	-	-	1050	212	-	-	*	*
Teff	-	-	-	*	*	-	-	-	-
Barley	-	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-	-
Maize	-	-	-	*	*	-	-	-	-
Sorghum	-	-	-	977	208	-	-	*	*
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	-	-	-	-	-	-
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	-	-	-	-
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	-	-	-	-	-	-	-	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	*	*
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	-	-	-	-	-	-	-	-	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	-	-	-	-	-	-	-	-	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Other Temporary	-	-	-	-	-	-	-	-	-
Permanent crops				*	*	*	*	-	-
Avocado				*	*	*	*	-	-
Bananas				*	*	-	-	-	-
Guava				-	-	-	-	-	-
Lemons				-	-	-	-	-	-
Mangoes				-	-	*	*	-	-
Oranges				-	-	-	-	-	-
Papayas				-	-	-	-	-	-
Pineapples				-	-	-	-	-	-
Stimulant	*	*	-	*	*	*	*	-	-
Chat				*	*	-	-	-	-
Coffee	*	*	-	*	*	*	*	-	-
Hops / 'Gesho'				-	-	-	-	-	-
Enset				-	-	*	*		
Sugar cane				-	-	-	-	-	-
Other permanent				-	-	-	-	-	-

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

Itang Special

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	914	-	-	-	-	-	-	-
Cereals	806	-	-	-	-	-	-	-
Teff	-	-	-	-	-	-	-	-
Barley	*	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-
Maize	800	-	-	-	-	-	-	-
Sorghum	-	-	-	-	-	-	-	-
Finger millet	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	*	-	-	-	-	-	-	-
Pulses	-	-	-	-	-	-	-	-
Horse / Faba beans	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	-	-	-
Chick peas	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-
Vegetables	*	-	-	-	-	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-
Tomatoes	*	-	-	-	-	-	-	-
Green peppers	*	-	-	-	-	-	-	-
Red peppers	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
Root crops	8	-	-	-	-	-	-	-
Beetroot	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-
Taro 'Godere'	*	-	-	-	-	-	-	-
Sweet potatoes	5	-	-	-	-	-	-	-
Other Temporary	1	-	-	-	-	-	-	-
Permanent crops	93	-		-	-			
Avocado	-	-		-	-			
Bananas	36	-		-	-			
Guava	*	-		-	-			
Lemons	-	-		-	-			
Mangoes	55	-		-	-			
Oranges	*	-		-	-			
Papayas	2	-		-	-			
Pineapples	-	-		-	-			
Stimulant	-	-		-	-			
Chat	-	-		-	-			
Coffee	-	-		-	-			
Hops / 'Gesho'	-	-		-	-			
Enset	-	-		-	-			
Sugar cane	*	-		-	-			
Other permanent	*	-		-	-			

(Table 1.9.4 cont'd.)

Itang Special

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	-	-	-	-	-	-	5138	914	318
Cereals	-	-	-	-	-	-	5097	806	318
Teff	-	-	-	-	-	-	-	-	-
Barley	-	-	-	-	-	-	*	*	*
Wheat	-	-	-	-	-	-	-	-	-
Maize	-	-	-	-	-	-	5097	800	316
Sorghum	-	-	-	-	-	-	-	-	-
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	*	*	*
Pulses	-	-	-	-	-	-	-	-	-
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	-	-	-	-
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	-	-	-	-	-	-	*	*	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	-	-	-	-	-	-	*	*	-
Green peppers	-	-	-	-	-	-	*	*	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	-	-	-	-	-	-	405	8	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	226	*	-
Sweet potatoes	-	-	-	-	-	-	231	5	-
Other Temporary	-	-	-	-	-	-	106	1	-
Permanent crops							2218	93	
Avocado							-	-	
Bananas							1196	36	
Guava							*	*	
Lemons							-	-	
Mangoes							1851	55	
Oranges							*	*	
Papayas							386	2	
Pineapples							-	-	
Stimulant							-	-	
Chat							-	-	
Coffee							-	-	
Hops / 'Gesho'							-	-	
Enset							-	-	
Sugar cane							*	*	
Other permanent							*	*	

(Table 1.9.4 Cont'd.)

Itang Special

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	1722	124	119	5466	998	7974	1679	10284	4267
Cereals	1357	94	119	423	*	4665	510	9985	2662
Teff	-	-	-	-	-	-	-	-	-
Barley	-	-	-	-	-	*	*	*	*
Wheat	*	*	*	-	-	-	-	*	*
Maize	931	59	35	276	*	2980	139	7229	635
Sorghum	-	-	-	*	*	3656	365	9201	1983
Finger millet	-	-	-	-	-	-	-	*	*
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	-	-	-	-	*	*
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	-	-	*	*
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	*	*	1897	222
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	*	*
Groundnuts	-	-	-	-	-	*	*	1840	221
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	*	*	-	*	*	*	*	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	*	*	*	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	*	*	-	*	*	*	*	*	*
Green peppers	-	-	-	-	-	*	*	*	*
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	-	*	*	883	*	392	*
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	*	*	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	*	*	*	*
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	*	*	883	*	392	*
Other Temporary	-	-	-	-	-	*	*	474	*
Permanent crops				*	*	2302	163	363	*
Avocado				-	-	*	*	-	-
Bananas				-	-	696	*	-	-
Guava				-	-	*	*	-	-
Lemons				-	-	*	*	*	*
Mangoes				*	*	1651	89	226	*
Oranges				-	-	-	-	-	-
Papayas				-	-	*	*	*	*
Pineapples				-	-	-	-	-	-
Stimulant	*	*	-	4895	812	5370	618	9164	1349
Chat				4895	812	5280	601	9164	1342
Coffee	*	*	-	-	-	*	*	372	8
Hops / 'Gesho'				-	-	-	-	-	-
Enset				-	-	-	-		
Sugar cane				-	-	*	*	-	-
Other permanent				-	-	*	*	*	*

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

Harari Region

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	16270	12406	11750	14214	3349	3428	1209	1131
Cereals	8202	6731	6307	11566	1909	2702	625	522
Teff	-	-	-	-	-	-	-	-
Barley	*	*	*	*	*	*	*	*
Wheat	59	59	69	*	*	*	*	*
Maize	1242	1137	1661	6805	257	1149	60	77
Sorghum	6872	5506	4539	9262	1636	2526	556	433
Finger millet	*	*	*	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
Pulses	*	*	*	*	*	*	*	*
Horse / Faba beans	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-
Haricot beans	*	*	*	*	*	*	*	*
Chick peas	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	2997	1847	992	4272	536	938	*	*
Neug	-	-	-	-	-	-	-	-
Linseed	*	*	*	*	*	-	-	-
Groundnuts	2943	1815	951	4175	527	938	*	*
Safflower	-	-	-	-	-	-	-	-
Sesame	*	*	*	*	*	*	*	*
Rapeseed	*	*	*	*	*	-	-	-
Vegetables	*	*	*	485	*	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	*	*	*	*	*	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-
Tomatoes	*	*	*	*	*	-	-	-
Green peppers	*	*	*	266	*	-	-	-
Red peppers	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
Root crops	129	54	50	1344	21	*	*	*
Beetroot	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	*	*	*	-	-	-	-	-
Potatoes	*	*	*	*	*	*	*	*
Garlic	*	*	*	*	*	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	117	42	38	1085	19	*	*	*
Other Temporary	31	28	13	2436	20	*	*	*
Permanent crops	507	182		3428	88			
Avocado	*	*		*	*			
Bananas	44	11		1266	*			
Guava	6	*		274	*			
Lemons	48	*		707	*			
Mangoes	367	118		1268	61			
Oranges	-	-		-	-			
Papayas	42	*		551	*			
Pineapples	-	-		-	-			
Stimulant	4129	3434		8203	740			
Chat	4084	3398		7583	719			
Coffee	45	*		971	*			
Hops / 'Gesho'	-	-		-	-			
Enset	-	-		-	-			
Sugar cane	*	*		*	*			
Other permanent	6	1		*	*			

(Table 1.8 cont'd.)

Harari Region

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	10029	3728	3815	7731	4119	6804	25467	16146	6945
Cereals	8985	1970	1965	7496	2227	3820	24970	8108	4029
Teff	-	-	-	-	-	-	-	-	-
Barley	*	*	*	*	*	*	371	*	*
Wheat	*	*	*	*	*	*	752	24	*
Maize	5424	295	425	5337	526	1159	16351	1184	851
Sorghum	8365	1657	1512	7144	1657	2594	24463	6872	3105
Finger millet	-	-	-	*	*	*	*	*	*
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	*	*	*	*	*	*
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	*	*	*	*	*	*
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	3897	615	442	1727	*	415	12650	2997	2914
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	*	*	*	*	*	*
Groundnuts	3849	615	441	1612	*	377	12447	2943	2911
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	*	*	*	*	*	*
Rapeseed	*	*	*	-	-	-	*	*	*
Vegetables	*	*	*	*	*	*	1027	*	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	*	*	*	*	*	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	*	*	*	*	*	*	*	*	-
Green peppers	*	*	*	-	-	-	432	*	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	332	*	*	*	*	*	2802	128	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	*	*	*	-	-	-	-	-	-
Potatoes	*	*	*	-	-	-	*	*	-
Garlic	*	*	*	-	-	-	*	*	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	*	*	*	*	2392	117	-
Other Temporary	467	*	*	*	*	*	3495	31	-
Permanent crops							9630	505	
Avocado							*	*	
Bananas							2583	44	
Guava							855	6	
Lemons							2913	48	
Mangoes							7265	366	
Oranges							*	-	
Papayas							1603	42	
Pineapples							*	-	
Stimulant							22769	4123	
Chat							22678	4078	
Coffee							1921	45	
Hops / 'Gesho'							-	-	
Enset							-	-	
Sugar cane							3629	*	
Other permanent							1423	6	

(Table 1.8 Cont'd.)

Harari Region

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	1722	124	119	5466	998	7974	1679	10284	4267
Cereals	1357	94	119	423	*	4665	510	9985	2662
Teff	-	-	-	-	-	-	-	-	-
Barley	-	-	-	-	-	*	*	*	*
Wheat	*	*	*	-	-	-	-	*	*
Maize	931	59	35	276	*	2980	139	7229	635
Sorghum	-	-	-	*	*	3656	365	9201	1983
Finger millet	-	-	-	-	-	-	-	*	*
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	-	-	-	-	*	*
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	-	-	*	*
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	*	*	1897	222
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	*	*
Groundnuts	-	-	-	-	-	*	*	1840	221
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	*	*	-	*	*	*	*	*	*
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	*	*	*	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	*	*	-	*	*	*	*	*	*
Green peppers	-	-	-	-	-	*	*	*	*
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	-	*	*	883	*	392	*
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	*	*	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	*	*	*	*
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	*	*	883	*	392	*
Other Temporary	-	-	-	-	-	*	*	474	*
Permanent crops				*	*	2302	163	363	*
Avocado				-	-	*	*	-	-
Bananas				-	-	696	*	-	-
Guava				-	-	*	*	-	-
Lemons				-	-	*	*	*	*
Mangoes				*	*	1651	89	226	*
Oranges				-	-	-	-	-	-
Papayas				-	-	*	*	*	*
Pineapples				-	-	-	-	-	-
Stimulant	*	*	-	4895	812	5370	618	9164	1349
Chat				4895	812	5280	601	9164	1342
Coffee	*	*	-	-	-	*	*	372	8
Hops / 'Gesho'				-	-	-	-	-	-
Enset				-	-	-	-		
Sugar cane				-	-	*	*	-	-
Other permanent				-	-	*	*	*	*

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

Dire Dawa

Crop type	All Crop Area	All Fertilizers		Natural		DAP		
		Hectare	Quintal	Holder	Hectare	Holder	Hectare	Quintal
All	12286	3273	*	11541	3147	259	*	11
Cereals	9774	2375	*	10510	2333	*	*	*
Teff	-	-	-	-	-	-	-	-
Barley	*	*	-	*	*	-	-	-
Wheat	*	*	-	*	*	-	-	-
Maize	271	57	*	2389	55	*	-	*
Sorghum	9429	2303	*	9798	2264	*	*	*
Finger millet	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-
Pulses	691	225	6	4475	220	*	-	*
Horse / Faba beans	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-
Haricot beans	687	224	6	4423	219	*	-	*
Chick peas	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-
Fenugreek	*	*	-	*	*	-	-	-
Gibto	-	-	-	-	-	-	-	-
Oilseeds	267	73	*	1370	62	-	-	-
Neug	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-
Groundnuts	*	*	*	*	*	-	-	-
Safflower	-	-	-	-	-	-	-	-
Sesame	110	*	-	672	*	-	-	-
Rapeseed	-	-	-	-	-	-	-	-
Vegetables	45	33	7	1538	24	*	*	*
Lettuce	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-
Ethiopian cabbage	*	*	-	*	*	-	-	-
Tomatoes	42	32	7	1435	24	*	*	*
Green peppers	*	*	*	*	*	-	-	-
Red peppers	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-
Root crops	*	*	*	894	17	*	*	*
Beetroot	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-
Onion	*	*	*	516	9	*	*	*
Potatoes	*	*	*	*	*	*	-	*
Garlic	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-
Sweet potatoes	25	5	-	374	5	-	-	-
Other Temporary	*	*	*	*	*	-	-	-
Permanent crops	*	*		2238	*			
Avocado	-	-		-	-			
Bananas	*	*		*	*			
Guava	12	*		593	*			
Lemons	*	*		*	*			
Mangoes	*	*		411	*			
Oranges	*	*		*	*			
Papayas	*	*		909	*			
Pineapples	-	-		-	-			
Stimulant	1013	338		5765	319			
Chat	906	271		4399	263			
Coffee	107	67		2189	56			
Hops / 'Gesho'	-	-		-	-			
Enset	-	-		-	-			
Sugar cane	-	-		-	-			
Other permanent	*	*		1416	*			

(Table 1.10 cont'd.)

Dire Dawa

Crop type	UREA			UREA + DAP			INDIGENOUS SEED		
	Holder	Hectare	Quintal	Holder	Hectare	Quintal	Holder	Hectare	Quintal
All	1036	*	*	*	*	*	22712	12083	2269
Cereals	606	*	*	*	-	*	22449	9633	2057
Teff	-	-	-	-	-	-	-	-	-
Barley	-	-	-	-	-	-	*	*	*
Wheat	-	-	-	-	-	-	*	*	*
Maize	*	*	*	*	-	*	5711	250	91
Sorghum	499	*	*	-	-	-	22096	9309	1904
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	*	*	*	-	-	-	10213	691	142
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	*	*	*	-	-	-	10054	687	140
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	*	*	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	*	*	*	-	-	-	4610	267	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	*	*	*	-	-	-	1831	*	*
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	2835	110	5
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	319	*	6	-	-	-	2615	45	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	*	*	-
Tomatoes	319	7	6	-	-	-	2404	42	-
Green peppers	*	*	*	-	-	-	*	*	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	*	*	*	*	2534	58	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	*	*	*	*	*	*	795	*	-
Potatoes	-	-	-	*	-	*	545	*	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	1299	25	-
Other Temporary	*	*	*	*	*	*	424	*	-
Permanent crops							5226	*	
Avocado							-	-	
Bananas							543	*	
Guava							1508	*	
Lemons							368	*	
Mangoes							1450	*	
Oranges							*	*	
Papayas							2284	*	
Pineapples							-	-	
Stimulant							12698	1008	
Chat							11999	906	
Coffee							3762	102	
Hops / 'Gesho'							-	-	
Enset							-	-	
Sugar cane							-	-	
Other permanent							2713	*	

(Table 1.10 Cont'd.)

Dire Dawa

Crop type	IMPROVED SEED			PESTICIDE		IRRIGATION		EXTENSION PACKAGE	
	Holder	Hectare	Quintal	Holder	Hectare	Holder	Hectare	Holder	Hectare
All	2201	203	11	*	*	6255	1377	*	*
Cereals	912	*	11	*	*	5118	654	*	*
Teff	-	-	-	-	-	-	-	-	-
Barley	-	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-	-
Maize	*	*	*	-	-	1827	46	-	-
Sorghum	561	*	5	*	*	4471	608	*	*
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	-	-	525	*	*	*
Horse / Faba beans	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	525	*	*	*
Chick peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	*	*	*	-	-	*	*	*	*
Neug	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Groundnuts	*	*	*	-	-	*	*	*	*
Safflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	*	*	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Vegetables	*	*	-	*	*	1048	*	-	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	*	*	-	*	*	889	*	-	-
Green peppers	-	-	-	-	-	*	*	-	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	-	-	-	1184	*	-	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	*	*	-	-	-	*	*	-	-
Potatoes	-	-	-	-	-	*	*	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	*	*	-	-
Other Temporary	*	*	-	-	-	*	*	-	-
Permanent crops				-	-	3214	*	*	*
Avocado				-	-	-	-	-	-
Bananas				-	-	*	*	-	-
Guava				-	-	683	2	-	-
Lemons				-	-	*	*	-	-
Mangoes				-	-	*	*	-	-
Oranges				-	-	*	*	-	-
Papayas				-	-	1829	*	*	*
Pineapples				-	-	-	-	-	-
Stimulant	475	*	-	*	*	4610	296	*	*
Chat				*	*	2659	196	*	*
Coffee	475	*	-	-	-	3456	100	*	*
Hops / 'Gesho'				-	-	-	-	-	-
Enset				-	-	-	-		
Sugar cane				-	-	-	-	-	-
Other permanent				-	-	1854	*	*	*

Table 2.Number of Holders Applying Inputs by Educational Status

Ethiopia

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	9025726	4863945	1471998	2330187	673669
Literate (informal)	1315969	948944	298823	422552	160477
Grades 1 – 3	1652079	990476	325689	555336	110358
Grades 4 – 6	1842596	1164778	415968	600253	138535
Grades 7 – 8	697424	454977	148696	243521	42896
Grades 9 – 11	425342	277903	98841	152917	27155
Grade 12 complete	58670	44484	16015	26523	4961
Above grade 12	91248	50230	22365	24595	5021
Total	15109053	8795738	2798396	4355884	1163072

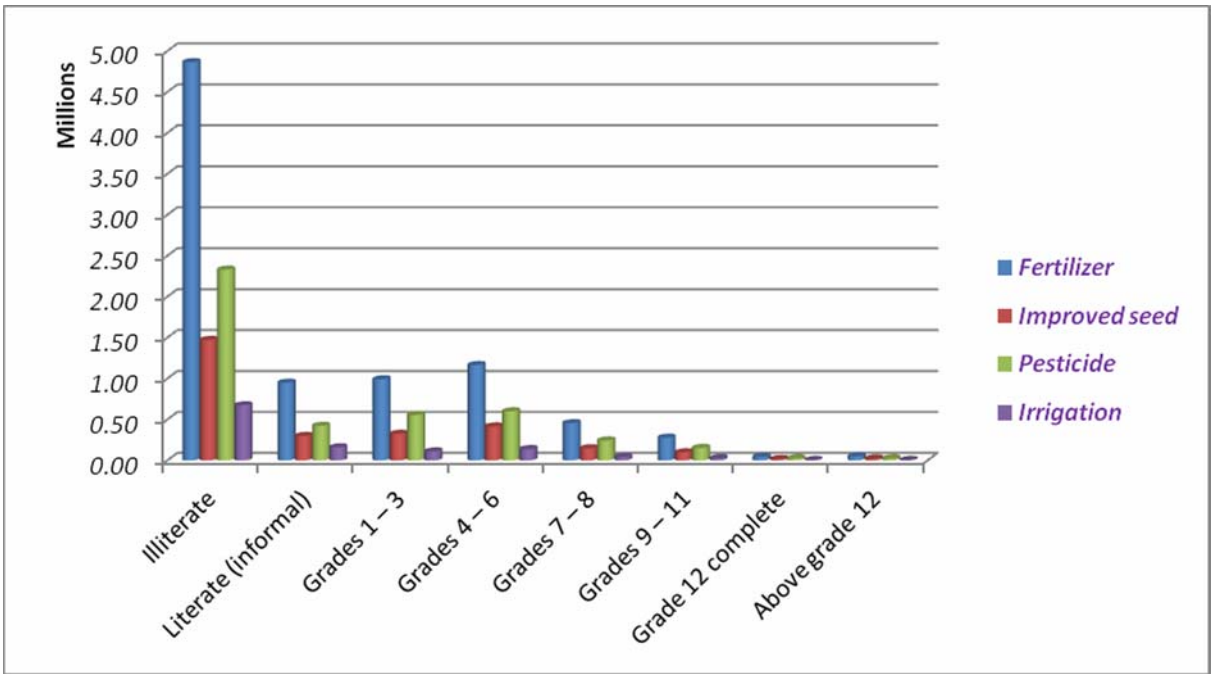

Figure 3: Number of holders applying inputs by educational level at national level, 2005 Production Year (Main Season)

Table 2.1 Number of Holders Applying Inputs by Educational Status

Tigray Region

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	603571	441473	42360	110863	78562
Literate (informal)	152463	126101	21299	39561	26757
Grades 1 – 3	98858	77988	12524	24819	12883
Grades 4 – 6	83024	70020	15750	24215	13918
Grades 7 – 8	28510	21410	5612	9026	4946
Grades 9 – 11	19976	15720	3672	7408	2512
Grade 12 complete	*	*	-	-	-
Above grade 12	1460	1460	-	*	-
Total	988700	754908	101217	216185	139579

Table 2.1.1 Number of Holders Applying Inputs by Educational Status

North West Tigray

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	126072	93914	6862	29191	7033
Literate (informal)	23880	18773	*	8755	*
Grades 1 – 3	23123	18347	2343	6544	1208
Grades 4 – 6	16967	14069	3289	4268	2305
Grades 7 – 8	5980	4389	*	*	-
Grades 9 – 11	3362	2675	*	*	*
Grade 12 complete	*	*	-	-	-
Above grade 12	-	-	-	-	-
Total	199730	152513	17005	50060	12532

Table 2.1.2 Number of Holders Applying Inputs by Educational Status

Central Tigray

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	164637	130652	10795	42927	19208
Literate (informal)	48448	43821	9263	19491	6275
Grades 1 – 3	30028	26070	4480	9815	3445
Grades 4 – 6	29509	27945	5975	12732	5436
Grades 7 – 8	10821	9688	2521	4638	1454
Grades 9 – 11	10235	8665	*	5777	*
Grade 12 complete	-	-	-	-	-
Above grade 12	*	*	-	-	-
Total	294429	247592	34979	95380	36513

Table 2.1.3 Number of Holders Applying Inputs by Educational Status

East Tigray

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	92793	79381	8541	9612	13853
Literate (informal)	29809	28086	3688	3591	7012
Grades 1 – 3	19153	17897	2260	2679	3648
Grades 4 – 6	9783	9510	2074	*	*
Grades 7 – 8	3477	2556	*	*	*
Grades 9 – 11	1761	1505	-	*	-
Grade 12 complete	*	*	-	-	-
Above grade 12	*	*	-	*	-
Total	157460	139619	17342	18890	26671

Table 2.1.4Number of Holders Applying Inputs by Educational Status

South Tigray

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	161547	115032	14999	16902	34971
Literate (informal)	37822	28920	4613	3969	10545
Grades 1 – 3	10933	7255	2246	-	2852
Grades 4 – 6	14632	10391	4413	*	3071
Grades 7 – 8	4469	3407	1639	*	2528
Grades 9 – 11	3791	2490	*	*	*
Grade 12 complete	-	-	-	-	-
Above grade 12	*	*	-	-	-
Total	233608	167910	28550	24315	55455

Table 2.1.5 Number of Holders Applying Inputs by Educational Status

Western Tigray

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	58523	22494	*	12231	3496
Literate (informal)	12504	6501	*	3756	*
Grades 1 – 3	15621	8419	*	5780	1730
Grades 4 – 6	12133	8105	-	3988	1677
Grades 7 – 8	3763	1371	-	1353	*
Grades 9 – 11	827	*	-	*	-
Grade 12 complete	*	-	-	-	-
Above grade 12	-	-	-	-	-
Total	103473	47275	3341	27540	8409

Table 2.2 Number of Holders Applying Inputs by Educational Status

Afar Region

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	14330	-	*	*	13350
Literate (informal)	*	*	*	-	*
Grades 1 – 3	*	*	*	-	*
Grades 4 – 6	936	*	*	-	936
Grades 7 – 8	*	-	-	-	*
Grades 9 – 11	*	*	*	*	*
Grade 12 complete	-	-	-	-	-
Above grade 12	-	-	-	-	-
Total	18532	*	983	*	17552

Table 2.2.1 Number of Holders Applying Inputs by Educational Status

Zone 1

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	13994	-	*	*	13013
Literate (informal)	*	-	-	-	*
Grades 1 – 3	*	-	*	-	*
Grades 4 – 6	716	-	-	-	716
Grades 7 – 8	*	-	-	-	*
Grades 9 – 11	-	-	-	-	-
Grade 12 complete	-	-	-	-	-
Above grade 12	-	-	-	-	-
Total	17188	-	*	*	16207

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	*	-	*	-	*
Literate (informal)	*	*	*	-	*
Grades 1 – 3	*	*	*	-	*
Grades 4 – 6	*	*	*	-	*
Grades 7 – 8	-	-	-	-	-
Grades 9 – 11	*	*	*	*	*
Grade 12 complete	-	-	-	-	-
Above grade 12	-	-	-	-	-
Total	*	*	*	*	*

Table 2.3 Number of Holders Applying Inputs by Educational Status

Amhara Region

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	2927999	1627752	569486	580371	312735
Literate (informal)	712152	509532	188409	169673	99532
Grades 1 – 3	245029	170647	45024	48825	35443
Grades 4 – 6	328149	225197	78454	78588	47307
Grades 7 – 8	87387	61010	17004	20277	8787
Grades 9 – 11	54921	38941	13374	14471	4646
Grade 12 complete	7491	4546	*	*	*
Above grade 12	4883	3109	-	*	-
Total	4368012	2640735	912271	915844	509557

Table 2.3.1 Number of Holders Applying Inputs by Educational Status

North Gonder

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	487040	260782	96734	96997	21512
Literate (informal)	96220	62111	27565	21471	7167
Grades 1 – 3	49115	31560	10419	8840	*
Grades 4 – 6	46203	24464	9719	10460	*
Grades 7 – 8	8387	4270	*	*	-
Grades 9 – 11	3519	*	-	-	*
Grade 12 complete	-	-	-	-	-
Above grade 12	-	-	-	-	-
Total	690485	384618	145167	139619	38974

Table 2.3.2 Number of Holders Applying Inputs by Educational Status

South Gonder

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	373590	187034	23254	84758	26831
Literate (informal)	94392	68358	7542	28494	11606
Grades 1 – 3	22899	12228	-	5619	*
Grades 4 – 6	21805	17242	*	5187	4793
Grades 7 – 8	6057	2775	*	*	-
Grades 9 – 11	5755	3822	*	*	*
Grade 12 complete	*	-	-	-	-
Above grade 12	*	-	-	-	-
Total	525549	291459	33241	126137	46774

Table 2.3.3 Number of Holders Applying Inputs by Educational Status

North Wolo

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	270812	90704	13298	14165	39136
Literate (informal)	46563	30903	*	*	12763
Grades 1 – 3	20171	9814	1557	*	2272
Grades 4 – 6	27340	15352	3253	*	7055
Grades 7 – 8	7431	4497	*	-	*
Grades 9 – 11	4926	2436	-	*	*
Grade 12 complete	-	-	-	-	-
Above grade 12	*	-	-	-	-
Total	378057	153706	24218	20894	62884

Table 2.3.4 Number of Holders Applying Inputs by Educational Status

South Wolo

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	432262	228279	5042	26748	35250
Literate (informal)	110527	75461	6938	5775	4283
Grades 1 – 3	35134	26703	*	*	*
Grades 4 – 6	59587	35693	4566	*	6206
Grades 7 – 8	18303	11211	*	*	*
Grades 9 – 11	16695	11098	*	*	-
Grade 12 complete	3049	*	-	-	-
Above grade 12	*	*	-	-	-
Total	676455	390752	19070	42734	49507

Table 2.3.5 Number of Holders Applying Inputs by Educational Status

North Shewa

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	287990	150020	*	95286	46634
Literate (informal)	85860	56579	3945	30856	12241
Grades 1 – 3	39474	28649	-	11720	7430
Grades 4 – 6	52546	36949	4187	16254	8134
Grades 7 – 8	20305	16373	*	5550	*
Grades 9 – 11	4103	3227	*	2780	*
Grade 12 complete	*	*	-	*	*
Above grade 12	*	*	-	*	-
Total	493389	294907	17679	165090	78748

Table 2.3.6 Number of Holders Applying Inputs by Educational Status

East Gojjam

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	346701	231489	106308	66109	36900
Literate (informal)	116684	86557	38141	22712	21537
Grades 1 – 3	28349	26629	9129	5874	5200
Grades 4 – 6	47599	36471	14203	9344	6406
Grades 7 – 8	11840	10096	4235	5912	*
Grades 9 – 11	5531	4888	*	*	*
Grade 12 complete	-	-	-	-	-
Above grade 12	*	*	-	*	-
Total	558034	397460	173221	112289	72640

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	365488	325606	233433	144354	59365
Literate (informal)	110152	100702	83362	47897	20695
Grades 1 – 3	28447	25182	17811	10490	6353
Grades 4 – 6	43748	42498	28994	25602	7668
Grades 7 – 8	7610	6871	5565	3723	*
Grades 9 – 11	7356	7356	6096	4554	*
Grade 12 complete	-	-	-	-	-
Above grade 12	-	-	-	-	-
Total	562801	508215	375260	236619	95903

Table 2.3.8 Number of Holders Applying Inputs by Educational Status

Waghamera

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	82873	1998	2217	*	3045
Literate (informal)	6941	700	-	*	*
Grades 1 – 3	6090	*	*	*	-
Grades 4 – 6	8232	*	*	*	807
Grades 7 – 8	*	-	-	-	-
Grades 9 – 11	1106	-	-	-	-
Grade 12 complete	*	-	-	-	-
Above grade 12	-	-	-	-	-
Total	106368	4157	2788	*	4473

Table 2.3.9 Number of Holders Applying Inputs by Educational Status

Awi

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	194659	144144	79543	27658	33413
Literate (informal)	34901	27805	15391	6947	6674
Grades 1 – 3	11175	8065	4863	*	*
Grades 4 – 6	18360	15157	12321	3852	2224
Grades 7 – 8	5476	4736	3458	*	*
Grades 9 – 11	5768	4684	3827	*	*
Grade 12 complete	*	*	*	-	-
Above grade 12	*	*	-	*	-
Total	272210	205499	119922	41929	44939

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	79815	7437	*	17436	10331
Literate (informal)	9063	*	*	2976	*
Grades 1 – 3	4084	1098	-	*	1314
Grades 4 – 6	2619	*	*	*	803
Grades 7 – 8	1004	*	-	*	-
Grades 9 – 11	*	-	-	-	-
Grade 12 complete	-	-	-	-	-
Above grade 12	-	-	-	-	-
Total	96749	9592	1684	22365	14339

Table 2.3.11 Number of Holders Applying Inputs by Educational Status

Aregoba Special Zone

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	6769	259	*	3148	319
Literate (informal)	849	93	-	329	*
Grades 1 – 3	92	-	-	*	-
Grades 4 – 6	110	*	-	*	-
Grades 7 – 8	*	-	-	*	-
Grades 9 – 11	-	-	-	-	-
Grade 12 complete	-	-	-	-	-
Above grade 12	-	-	-	-	-
Total	7915	371	*	3583	376

Table 2.4 Number of Holders Applying Inputs by Educational Status

Oromia Region

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	3068611	1943329	526065	1281554	207989
Literate (informal)	358910	274541	71194	190751	27423
Grades 1 – 3	808272	549557	185048	401809	45119
Grades 4 – 6	799052	569060	213352	389092	50004
Grades 7 – 8	306342	228693	75769	162788	17714
Grades 9 – 11	204764	144508	56721	104384	15611
Grade 12 complete	27046	23106	9546	17550	3855
Above grade 12	45846	31449	14056	20804	4077
Total	5618843	3764243	1151751	2568732	371793

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	129286	87378	55102	33249	1709
Literate (informal)	5406	2956	*	2059	*
Grades 1 – 3	61041	41934	29523	17700	*
Grades 4 – 6	51436	39862	25930	17031	*
Grades 7 – 8	23276	16412	10499	6813	*
Grades 9 – 11	14751	8262	5026	2712	-
Grade 12 complete	2408	1872	*	1297	-
Above grade 12	4610	2845	2058	2054	-
Total	292215	201520	131418	82915	3522

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	117919	67867	39861	42140	2163
Literate (informal)	6910	5748	3543	3451	-
Grades 1 – 3	41060	25941	16479	17838	*
Grades 4 – 6	33750	21750	13183	15334	*
Grades 7 – 8	16463	10699	5594	5908	*
Grades 9 – 11	9610	6917	5226	4304	*
Grade 12 complete	1896	1576	*	*	*
Above grade 12	2065	1274	1080	*	*
Total	229674	141773	85842	90386	*

Table 2.4.3 Number of Holders Applying Inputs by Educational Status

Illubabor

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	136719	68561	46079	45421	*
Literate (informal)	10898	7265	3637	5454	*
Grades 1 – 3	42233	23063	19234	16053	*
Grades 4 – 6	55769	35126	27527	22562	*
Grades 7 – 8	19099	9737	8354	7092	*
Grades 9 – 11	10585	7720	5384	4334	-
Grade 12 complete	*	*	*	*	-
Above grade 12	2248	990	1032	*	-
Total	278794	153705	112231	101395	*

Table 2.4.4 Number of Holders Applying Inputs by Educational Status

Jimma

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	363509	253881	113881	250915	*
Literate (informal)	68543	54287	21554	44772	*
Grades 1 – 3	75808	59723	29256	51001	*
Grades 4 – 6	55248	39819	24396	30461	*
Grades 7 – 8	19979	14382	7267	13417	*
Grades 9 – 11	8638	4405	3245	3180	-
Grade 12 complete	2203	*	*	*	-
Above grade 12	*	*	-	-	-
Total	595568	428246	200231	394378	12172

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	259325	182483	52086	168621	15210
Literate (informal)	23208	20691	6391	19695	*
Grades 1 – 3	76772	58172	17852	56985	5930
Grades 4 – 6	71903	57591	15985	47337	5939
Grades 7 – 8	32255	25437	8604	19573	*
Grades 9 – 11	23189	16824	7514	12806	3556
Grade 12 complete	3368	*	*	*	*
Above grade 12	*	*	*	*	*
Total	492737	366154	111122	328321	36277

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	214986	138624	5188	97399	10329
Literate (informal)	44930	31963	*	21269	*
Grades 1 – 3	22432	16196	*	10696	*
Grades 4 – 6	20328	16159	1827	9248	*
Grades 7 – 8	11104	7854	*	5941	-
Grades 9 – 11	5133	2894	*	1774	*
Grade 12 complete	*	*	-	*	-
Above grade 12	-	-	-	-	-
Total	319976	214442	12942	146715	17213

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	173150	134523	16248	126688	16083
Literate (informal)	14963	13467	1952	12420	*
Grades 1 – 3	42797	32228	5678	34703	*
Grades 4 – 6	40249	32024	7824	29404	2480
Grades 7 – 8	15580	12455	3824	13404	2117
Grades 9 – 11	14311	10786	3691	9639	*
Grade 12 complete	2042	1761	*	1761	*
Above grade 12	3283	2558	-	2558	*
Total	306374	239803	39604	230578	26165

Table 2.4.8 Number of Holders Applying Inputs by Educational Status

Arsi

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	232374	171160	17941	150013	2525
Literate (informal)	46696	39705	6263	32040	*
Grades 1 – 3	81149	68757	9827	60156	*
Grades 4 – 6	94674	85353	17278	72109	2773
Grades 7 – 8	50402	47447	7208	39683	-
Grades 9 – 11	30677	27871	6067	24274	*
Grade 12 complete	5281	5281	*	4817	*
Above grade 12	8616	6228	2435	6159	*
Total	549868	451801	68388	389250	9074

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	217051	123004	8903	18803	38833
Literate (informal)	28315	19911	4646	3967	5906
Grades 1 – 3	40319	26185	*	6406	5736
Grades 4 – 6	35174	20161	*	4367	7472
Grades 7 – 8	7638	4177	*	*	3548
Grades 9 – 11	4863	2320	*	*	*
Grade 12 complete	*	*	-	-	-
Above grade 12	*	*	-	-	-
Total	334188	196586	20845	34992	62659

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	334356	232889	40162	9664	93105
Literate (informal)	30888	22146	4336	*	8489
Grades 1 – 3	52699	39726	4179	*	16565
Grades 4 – 6	49175	41995	11265	*	10585
Grades 7 – 8	16901	12840	*	-	*
Grades 9 – 11	10754	9156	*	-	4709
Grade 12 complete	-	-	-	-	-
Above grade 12	*	*	*	-	*
Total	497698	361063	64972	13850	138445

Table 2.4.11 Number of Holders Applying Inputs by Educational Status

Bale

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	155077	83918	1740	71500	*
Literate (informal)	24005	14863	1448	12617	*
Grades 1 – 3	46403	25936	*	26263	*
Grades 4 – 6	52719	33107	*	34274	*
Grades 7 – 8	20695	15748	*	16815	*
Grades 9 – 11	14036	8729	*	10171	*
Grade 12 complete	*	*	-	*	*
Above grade 12	*	*	-	*	-
Total	315757	183672	7215	173308	*

Table 2.4.12 Number of Holders Applying Inputs by Educational Status

Borena

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	68607	3922	2304	1074	*
Literate (informal)	*	*	*	-	-
Grades 1 – 3	12218	*	1882	-	*
Grades 4 – 6	11028	*	*	*	-
Grades 7 – 8	5473	833	905	*	-
Grades 9 – 11	3208	*	*	-	-
Grade 12 complete	-	-	-	-	-
Above grade 12	*	-	-	-	-
Total	101772	7528	6707	1910	*

Table 2.4.13 Number of Holders Applying Inputs by Educational Status

South West Shewa

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	177152	141893	19605	112357	8128
Literate (informal)	17414	15199	*	11093	*
Grades 1 – 3	51405	44285	4909	39038	*
Grades 4 – 6	44184	40126	10616	35301	*
Grades 7 – 8	15751	14918	3591	13586	3157
Grades 9 – 11	10073	8612	1830	7533	*
Grade 12 complete	*	*	-	*	*
Above grade 12	*	*	*	*	*
Total	319671	268246	43410	222122	23045

Table 2.4.14 Number of Holders Applying Inputs by Educational Status

Guji

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	112333	6178	10441	*	*
Literate (informal)	4448	*	1258	*	-
Grades 1 – 3	46555	6102	6120	*	-
Grades 4 – 6	46706	7915	8789	*	*
Grades 7 – 8	10381	3206	2955	-	-
Grades 9 – 11	7455	1961	2318	-	*
Grade 12 complete	-	-	-	-	-
Above grade 12	*	*	*	-	-
Total	230447	26502	32146	*	1806

Table 2.4.15 Number of Holders Applying Inputs by Educational Status

Kelem

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	79759	37534	25091	26530	1437
Literate (informal)	5656	2836	*	*	-
Grades 1 – 3	39691	20022	12727	15466	*
Grades 4 – 6	35029	17495	11932	14397	*
Grades 7 – 8	11352	6680	3146	5304	-
Grades 9 – 11	10055	4005	3882	3185	*
Grade 12 complete	*	*	*	*	-
Above grade 12	3190	1939	1338	1320	-
Total	185468	91247	59311	68861	*

Table 2.4.16 Number of Holders Applying Inputs by Educational Status

Horoguduru

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	67057	47248	30933	34375	2753
Literate (informal)	6974	5146	4268	3447	*
Grades 1 – 3	13842	11901	9144	10465	*
Grades 4 – 6	14546	11625	9025	10051	800
Grades 7 – 8	6864	6120	3425	3807	*
Grades 9 – 11	5993	5356	3579	4058	*
Grade 12 complete	1484	1484	1212	1212	-
Above grade 12	1867	1867	1437	1582	-
Total	118627	90747	63023	68996	5066

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	229951	162266	40502	91865	*
Literate (informal)	*	*	*	*	-
Grades 1 – 3	61848	48577	13102	36833	*
Grades 4 – 6	87134	67826	22521	45103	3669
Grades 7 – 8	23131	19749	5384	10293	-
Grades 9 – 11	21432	18071	5180	15697	*
Grade 12 complete	3222	3222	*	1814	*
Above grade 12	4232	4232	*	1947	-
Total	450011	341209	92345	217785	8138

Table 2.5 Number of Holders Applying Inputs by Educational Status

Somalie Region

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	86086	*	3773	*	10338
Literate (informal)	9900	-	-	-	*
Grades 1 – 3	2937	-	*	*	*
Grades 4 – 6	4207	-	*	*	886
Grades 7 – 8	1184	-	-	-	*
Grades 9 – 11	*	-	*	-	*
Grade 12 complete	*	-	-	-	-
Above grade 12	*	-	-	-	-
Total	104808	*	4145	862	12830

Table 2.5.1 Number of Holders Applying Inputs by Educational Status

Shinele

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	5255	*	*	*	2856
Literate (informal)	*	-	-	-	*
Grades 1 – 3	*	-	-	*	*
Grades 4 – 6	338	-	-	-	*
Grades 7 – 8	*	-	-	-	*
Grades 9 – 11	-	-	-	-	-
Grade 12 complete	-	-	-	-	-
Above grade 12	*	-	-	-	-
Total	6082	*	*	*	3406

Table 2.5.2 Number of Holders Applying Inputs by Educational Status

Jijiga

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	64331	*	2170	-	-
Literate (informal)	4608	-	-	-	-
Grades 1 – 3	2314	-	*	-	-
Grades 4 – 6	2188	-	-	-	-
Grades 7 – 8	616	-	-	-	-
Grades 9 – 11	*	-	-	-	-
Grade 12 complete	-	-	-	-	-
Above grade 12	-	-	-	-	-
Total	74250	*	2310	-	-

Table 2.5.3 Number of Holders Applying Inputs by Educational Status

Liben

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	16500	-	*	*	7481
Literate (informal)	5054	-	-	-	*
Grades 1 – 3	*	-	-	-	*
Grades 4 – 6	1681	-	*	*	*
Grades 7 – 8	520	-	-	-	*
Grades 9 – 11	*	-	*	-	*
Grade 12 complete	*	-	-	-	-
Above grade 12	-	-	-	-	-
Total	24476	-	*	*	9424

Table 2.6 Number of Holders Applying Inputs by Educational Status

Benishangul – Gumuz Region

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	161654	26284	11059	11128	7831
Literate (informal)	15085	5697	1957	2624	*
Grades 1 – 3	27006	5536	1779	1125	1264
Grades 4 – 6	31812	6143	2634	2402	2775
Grades 7 – 8	13974	3004	1172	*	*
Grades 9 – 11	8421	1067	793	-	*
Grade 12 complete	*	*	-	-	-
Above grade 12	1520	*	*	-	-
Total	259878	48607	19436	17448	12537

Table 2.6.1 Number of Holders Applying Inputs by Educational Status

Metekel

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	79053	17778	4869	7810	5106
Literate (informal)	7236	3204	*	2061	-
Grades 1 – 3	10570	2659	1145	*	*
Grades 4 – 6	13742	4433	*	*	2330
Grades 7 – 8	5252	1763	*	*	-
Grades 9 – 11	4049	613	*	-	-
Grade 12 complete	*	*	-	-	-
Above grade 12	*	*	-	-	-
Total	120969	31113	8108	11754	8533

Table 2.6.2 Number of Holders Applying Inputs by Educational Status

Asosa

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	62608	7440	4872	*	*
Literate (informal)	5987	2234	1215	*	*
Grades 1 – 3	10492	*	*	*	*
Grades 4 – 6	11995	*	*	*	*
Grades 7 – 8	6022	937	*	-	*
Grades 9 – 11	2791	*	*	-	*
Grade 12 complete	-	-	-	-	-
Above grade 12	*	*	-	-	-
Total	100492	14616	8959	*	*

Table 2.6.3 Number of Holders Applying Inputs by Educational Status

Kemashi

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	9756	459	*	-	-
Literate (informal)	864	*	*	-	-
Grades 1 – 3	3673	*	*	-	-
Grades 4 – 6	4271	*	*	*	*
Grades 7 – 8	1876	*	*	-	*
Grades 9 – 11	1347	*	-	-	-
Grade 12 complete	-	-	-	-	-
Above grade 12	226	*	*	-	-
Total	22013	1855	*	*	*

Table 2.6.4 Number of Holders Applying Inputs by Educational Status

Mao Komo

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	10238	*	1018	*	-
Literate (informal)	999	*	*	*	*
Grades 1 – 3	2272	*	*	*	-
Grades 4 – 6	1804	*	*	*	-
Grades 7 – 8	824	*	*	-	-
Grades 9 – 11	233	-	-	-	-
Grade 12 complete	-	-	-	-	-
Above grade 12	*	-	-	-	-
Total	16404	1024	1697	527	*

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	2101435	811672	316516	340689	34285
Literate (informal)	61764	31856	15475	19848	*
Grades 1 – 3	461610	185083	80629	77675	13203
Grades 4 – 6	582749	291834	104625	105285	20617
Grades 7 – 8	253803	140333	48880	50952	10124
Grades 9 – 11	132407	77168	23910	26245	*
Grade 12 complete	22256	15825	5897	6740	-
Above grade 12	36101	13446	8266	1958	*
Total	3652124	1567217	604198	629392	84813

Table 2.7.1 Number of Holders Applying Inputs by Educational Status

Gurage

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	184338	107399	32691	30031	*
Literate (informal)	18426	11167	7218	6960	*
Grades 1 – 3	30437	24967	9744	8903	*
Grades 4 – 6	43536	32272	13523	12229	*
Grades 7 – 8	18147	13831	6190	3441	*
Grades 9 – 11	7358	5975	2823	1762	-
Grade 12 complete	1432	*	*	-	-
Above grade 12	*	*	-	-	-
Total	304548	196773	72564	63326	*

Table 2.7.2 Number of Holders Applying Inputs by Educational Status

Hadiya

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	136220	110432	15381	90358	-
Literate (informal)	3059	2144	*	1780	-
Grades 1 – 3	33419	29178	7140	23855	*
Grades 4 – 6	59332	52808	7690	43545	*
Grades 7 – 8	32797	30623	7263	25029	-
Grades 9 – 11	19508	17474	2952	13234	-
Grade 12 complete	4212	4212	*	3289	-
Above grade 12	*	*	*	*	-
Total	289750	248076	43409	201897	*

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	64587	47786	8377	30986	*
Literate (informal)	1248	1051	-	1051	-
Grades 1 – 3	15713	13185	2932	9489	-
Grades 4 – 6	28811	23534	3425	14714	*
Grades 7 – 8	16269	14089	2558	9737	*
Grades 9 – 11	7310	5836	*	2620	-
Grade 12 complete	2493	2294	*	1497	-
Above grade 12	1490	1269	*	833	*
Total	137921	109044	18728	70928	*

Table 2.7.4 Number of Holders Applying Inputs by Educational Status

Sidama

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	488445	139426	62243	7747	*
Literate (informal)	*	-	-	-	-
Grades 1 – 3	142561	36992	15519	*	*
Grades 4 – 6	184163	75541	33019	*	*
Grades 7 – 8	80588	34481	12536	*	*
Grades 9 – 11	42338	22954	4591	*	*
Grade 12 complete	6469	3969	*	*	-
Above grade 12	16744	4349	4313	-	-
Total	966426	317711	134431	16132	*

Table 2.7.5 Number of Holders Applying Inputs by Educational Status

Gedio

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	79848	2700	6287	-	-
Literate (informal)	2046	-	-	-	-
Grades 1 – 3	35472	2595	4563	*	-
Grades 4 – 6	35260	3703	4934	*	*
Grades 7 – 8	16774	2633	2331	*	-
Grades 9 – 11	4570	*	1212	-	-
Grade 12 complete	-	-	-	-	-
Above grade 12	3991	*	*	-	-
Total	177959	12558	20256	*	*

Table 2.7.6 Number of Holders Applying Inputs by Educational Status

Wolayita

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	169449	110977	28285	*	-
Literate (informal)	2816	*	*	*	-
Grades 1 – 3	34454	26247	9100	*	-
Grades 4 – 6	64191	52447	11273	*	*
Grades 7 – 8	27674	24425	7968	-	*
Grades 9 – 11	17860	15455	5560	*	-
Grade 12 complete	3580	3580	*	-	-
Above grade 12	5916	4535	1580	-	-
Total	325940	239318	64946	6426	*

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	101357	10040	7090	*	*
Literate (informal)	2297	*	*	-	-
Grades 1 – 3	10349	2343	1864	*	-
Grades 4 – 6	9905	1748	1201	-	*
Grades 7 – 8	2816	*	*	-	-
Grades 9 – 11	1034	*	*	-	-
Grade 12 complete	-	-	-	-	-
Above grade 12	*	-	-	-	-
Total	128186	16258	11776	*	*

Table 2.7.8 Number of Holders Applying Inputs by Educational Status

Sheka

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	27180	3329	2556	2748	-
Literate (informal)	1546	*	*	*	-
Grades 1 – 3	6581	1144	1179	1255	-
Grades 4 – 6	11960	1948	1861	1706	*
Grades 7 – 8	5435	1166	1111	494	*
Grades 9 – 11	2436	*	480	*	*
Grade 12 complete	*	-	*	*	-
Above grade 12	581	-	*	*	-
Total	56491	8600	7957	6839	*

Table 2.7.9 Number of Holders Applying Inputs by Educational Status

Kefa

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	141582	29316	19299	51803	*
Literate (informal)	2614	*	*	2238	-
Grades 1 – 3	24800	4126	5441	8726	-
Grades 4 – 6	32489	7819	5809	13296	*
Grades 7 – 8	10752	1966	1121	4474	-
Grades 9 – 11	5869	*	*	2166	-
Grade 12 complete	*	-	-	*	-
Above grade 12	-	-	-	-	-
Total	218926	45040	33194	83199	*

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	285866	53469	15404	*	9025
Literate (informal)	6813	*	*	-	*
Grades 1 – 3	51972	9528	3075	-	*
Grades 4 – 6	42893	10352	*	-	*
Grades 7 – 8	15362	4822	*	-	*
Grades 9 – 11	11805	*	*	-	-
Grade 12 complete	*	*	-	-	-
Above grade 12	2111	*	-	-	*
Total	417889	82945	24909	*	*

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	79081	6594	4908	*	-
Literate (informal)	1594	626	*	*	-
Grades 1 – 3	17589	1717	1118	*	*
Grades 4 – 6	15348	1932	1425	*	-
Grades 7 – 8	5967	*	*	*	-
Grades 9 – 11	*	*	*	-	-
Grade 12 complete	*	-	*	-	-
Above grade 12	*	-	-	-	-
Total	120784	11225	8305	*	*

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	12192	9911	3715	8639	225
Literate (informal)	303	211	*	*	-
Grades 1 – 3	3321	2611	*	2377	-
Grades 4 – 6	2941	2102	383	2021	-
Grades 7 – 8	1914	1194	623	1319	-
Grades 9 – 11	795	657	*	592	-
Grade 12 complete	*	*	*	*	-
Above grade 12	*	*	-	*	-
Total	21887	16941	5511	15264	225

Table 2.7.13 Number of Holders Applying Inputs by Educational Status

Segen Peoples

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	72642	7937	802	*	8936
Literate (informal)	2341	1285	-	*	*
Grades 1 – 3	13307	2605	*	2535	3184
Grades 4 – 6	13979	2732	*	*	3202
Grades 7 – 8	5292	1744	*	*	1912
Grades 9 – 11	1999	*	-	*	*
Grade 12 complete	*	-	-	-	-
Above grade 12	705	*	-	-	*
Total	110527	17016	2380	*	17684

Table 2.7.14 Number of Holders Applying Inputs by Educational Status

Dawro

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	48806	5914	3537	2456	-
Literate (informal)	1707	*	*	*	-
Grades 1 – 3	10892	1638	565	688	-
Grades 4 – 6	11485	1943	1237	*	-
Grades 7 – 8	6659	1993	586	*	-
Grades 9 – 11	4584	1151	856	*	-
Grade 12 complete	*	*	*	*	-
Above grade 12	655	-	-	-	-
Total	85213	13131	6999	4945	-

Table 2.7.15 Number of Holders Applying Inputs by Educational Status

Basketo Special Wereda

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	12452	2902	2027	*	*
Literate (informal)	362	*	-	-	-
Grades 1 – 3	1961	698	423	-	*
Grades 4 – 6	2369	768	714	-	*
Grades 7 – 8	679	300	208	-	-
Grades 9 – 11	651	*	*	-	-
Grade 12 complete	-	-	-	-	-
Above grade 12	*	*	-	-	-
Total	18654	5027	3468	*	*

Table 2.7.16 Number of Holders Applying Inputs by Educational Status

Konta Special Wereda

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	22538	6023	4498	1453	*
Literate (informal)	445	*	*	*	-
Grades 1 – 3	2803	527	378	*	-
Grades 4 – 6	2886	*	*	301	-
Grades 7 – 8	965	*	*	*	-
Grades 9 – 11	610	-	-	*	-
Grade 12 complete	-	-	-	-	-
Above grade 12	-	-	-	-	-
Total	30246	7515	5455	2430	*

Table 2.7.17 Number of Holders Applying Inputs by Educational Status

Silitie

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	134663	125012	84190	77487	*
Literate (informal)	8799	8799	4510	5133	-
Grades 1 – 3	21097	20532	13853	12095	-
Grades 4 – 6	16049	15174	11638	8225	-
Grades 7 – 8	4637	4637	2116	2220	-
Grades 9 – 11	2197	2197	1613	1163	-
Grade 12 complete	*	*	-	-	-
Above grade 12	*	-	-	-	-
Total	188334	176663	117919	106324	*

Table 2.7.18 Number of Holders Applying Inputs by Educational Status

Alaba Special Wereda

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	40192	32503	15228	19709	-
Literate (informal)	*	*	*	*	-
Grades 1 – 3	4879	4451	2523	3371	-
Grades 4 – 6	5152	4368	2928	1741	-
Grades 7 – 8	*	*	*	*	-
Grades 9 – 11	776	776	653	*	-
Grade 12 complete	-	-	-	-	-
Above grade 12	*	*	*	*	-
Total	52444	43375	21990	26415	-

Table 2.8 Number of Holders Applying Inputs by Educational Status

Gambella Region

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	26754	-	*	523	*
Literate (informal)	1080	-	-	-	-
Grades 1 – 3	4582	-	*	268	-
Grades 4 – 6	7651	-	*	*	*
Grades 7 – 8	4663	-	*	*	*
Grades 9 – 11	3615	-	*	*	-
Grade 12 complete	370	-	-	*	-
Above grade 12	1130	-	-	-	-
Total	49845	-	473	1240	*

Table 2.8.1 Number of Holders Applying Inputs by Educational Status

Agnuwak

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	8612	-	*	-	*
Literate (informal)	*	-	-	-	-
Grades 1 – 3	1173	-	*	-	-
Grades 4 – 6	2929	-	*	*	*
Grades 7 – 8	1708	-	*	-	*
Grades 9 – 11	837	-	-	-	-
Grade 12 complete	*	-	-	-	-
Above grade 12	*	-	-	-	-
Total	15681	-	*	*	*

Table 2.8.2 Number of Holders Applying Inputs by Educational Status

Nuware

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	8600	-	*	-	-
Literate (informal)	*	-	-	-	-
Grades 1 – 3	411	-	-	-	-
Grades 4 – 6	1000	-	-	-	-
Grades 7 – 8	949	-	-	-	-
Grades 9 – 11	979	-	-	-	-
Grade 12 complete	*	-	-	-	-
Above grade 12	517	-	-	-	-
Total	12655	-	*	-	-

Table 2.8.3 Number of Holders Applying Inputs by Educational Status

Mezhenger

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	7216	-	*	523	*
Literate (informal)	700	-	-	-	-
Grades 1 – 3	2606	-	*	268	-
Grades 4 – 6	3050	-	-	*	-
Grades 7 – 8	1457	-	*	*	*
Grades 9 – 11	1047	-	*	*	-
Grade 12 complete	167	-	-	*	-
Above grade 12	127	-	-	-	-
Total	16371	-	159	1224	*

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	2327	-	-	-	-
Literate (informal)	*	-	-	-	-
Grades 1 – 3	*	-	-	-	-
Grades 4 – 6	672	-	-	-	-
Grades 7 – 8	549	-	-	-	-
Grades 9 – 11	753	-	-	-	-
Grade 12 complete	*	-	-	-	-
Above grade 12	362	-	-	-	-
Total	5138	-	-	-	-

Table 2.9 Number of Holders Applying Inputs by Educational Status

Harari Region

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	18132	11332	626	3830	4870
Literate (informal)	1090	881	*	*	535
Grades 1 – 3	2091	1599	214	750	977
Grades 4 – 6	2667	2194	431	*	1115
Grades 7 – 8	704	527	*	*	275
Grades 9 – 11	450	404	*	*	*
Grade 12 complete	*	*	*	*	-
Above grade 12	*	*	-	*	-
Total	25467	17097	1722	5466	7974

Table 2.10 Number of Holders Applying Inputs by Educational Status

Dire Dawa

Educational Status of Holders	Holders	Fertilizer	Improved seed	Pesticide	Irrigation
Illiterate	17153	703	1234	*	3661
Literate (informal)	1118	*	*	-	734
Grades 1 – 3	1215	-	*	-	698
Grades 4 – 6	2348	*	478	*	892
Grades 7 – 8	648	-	*	-	218
Grades 9 – 11	*	-	*	-	-
Grade 12 complete	*	-	-	-	-
Above grade 12	*	-	-	-	*
Total	22844	1238	2201	*	6255

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	10759844	2026323	793977	261349	126439	45893	44861	167810
Crop disease	19603	2447	831	*	*	*	*	*
Frost or floods	2249326	251839	100678	32851	25800	10734	3782	10282
Locust	861961	106289	42974	14810	7095	2597	2987	7390
Shortage of rain	341329	22139	7110	3644	1221	103	456	1260
Too much rain	3652427	218645	73966	27728	11064	4024	4896	40511
Wild animals	181335	7690	2774	1437	126	*	70	665
Birds	1265837	128295	48002	12972	14289	5821	2968	8081
Hailstone	4403503	650896	267953	75221	28400	11295	15377	47079
Pests	704436	72204	31418	13077	4839	1702	1911	2735
Weeds	2774576	274760	104353	44186	15501	4134	5817	22327
Others	3277240	291119	113918	34605	18076	5318	6552	27448

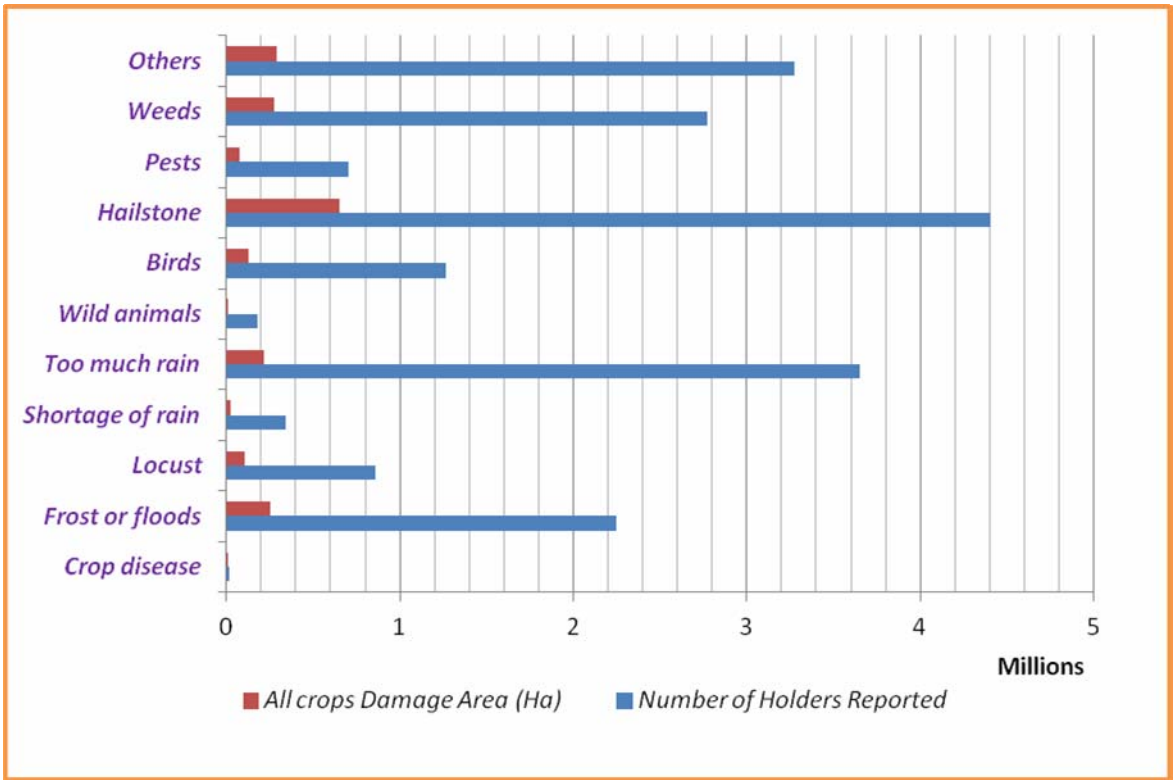

Figure 4: Number of holders reporting damaged crop area, at country level , 2005 Production Year (Main Season)

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	696214	164734	95804	11610	15723	3727	2113	5185
Crop disease	*	*	*	-	-	-	-	-
Frost or floods	162124	27078	13808	3169	5400	956	177	*
Locust	132718	18078	11913	1685	1001	*	*	*
Shortage of rain	10644	*	*	*	*	*	-	*
Too much rain	169906	13289	8095	910	1524	312	255	188
Wild animals	9927	226	137	*	*	-	*	*
Birds	81744	12262	5346	590	3298	781	*	*
Hailstone	285387	56045	31038	3008	1609	361	*	*
Pests	33427	2665	2081	*	*	-	*	*
Weeds	170003	21060	15287	877	1451	597	*	333
Others	164288	13453	7938	962	1392	391	*	*

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	129268	31106	20121	2632	2677	656	*	1263
Crop disease	*	*	*	-	-	-	-	-
Frost or floods	35119	6156	3425	669	*	*	*	*
Locust	27897	3821	2712	*	*	*	*	*
Shortage of rain	*	*	*	*	-	-	-	-
Too much rain	32049	3046	1930	124	*	*	*	*
Wild animals	*	*	*	-	*	-	-	-
Birds	16355	1639	675	269	*	-	-	*
Hailstone	29660	3557	2285	432	*	*	*	*
Pests	5562	445	337	*	-	-	*	-
Weeds	45792	9485	7176	271	*	*	*	*
Others	32351	2853	1525	*	*	*	*	*

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	229655	45194	31503	4108	867	646	*	*
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	46042	*	4034	*	*	*	*	*
Locust	83073	12387	8540	1031	*	*	*	*
Shortage of rain	*	*	*	*	-	-	-	*
Too much rain	62538	4387	3047	302	*	*	*	*
Wild animals	*	*	*	*	-	-	-	-
Birds	17849	*	*	*	*	*	-	*
Hailstone	97530	10137	7343	452	*	*	-	*
Pests	13028	*	*	*	*	-	-	-
Weeds	83854	5393	4084	301	*	*	*	*
Others	47739	3652	2226	522	*	*	-	*

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	107153	13572	7867	1364	*	*	*	*
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	18155	1185	630	*	*	*	*	*
Locust	13978	751	446	*	*	-	*	*
Shortage of rain	*	*	*	*	-	-	-	-
Too much rain	24991	1470	1035	66	-	*	*	*
Wild animals	*	*	*	*	*	-	-	*
Birds	8180	309	*	*	*	*	-	*
Hailstone	64591	7725	4241	875	*	*	*	*
Pests	4333	278	*	-	-	-	-	*
Weeds	9037	343	161	*	*	-	-	*
Others	29357	1399	910	95	*	-	*	*

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	163152	48047	25252	2629	*	702	*	*
Crop disease	*	*	*	-	-	-	-	-
Frost or floods	31103	4240	2515	*	*	*	*	*
Locust	6537	559	215	*	-	-	-	*
Shortage of rain	*	*	*	-	-	-	-	*
Too much rain	41107	3234	1759	371	*	*	*	*
Wild animals	2074	*	*	*	-	-	*	-
Birds	12776	1103	446	*	*	-	-	*
Hailstone	86353	33126	16749	1248	*	148	*	*
Pests	8902	653	549	*	-	-	*	*
Weeds	22369	2051	1116	253	*	*	*	*
Others	36658	2996	1871	147	*	*	-	*

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	66985	26814	11062	*	10712	1671	*	*
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	31705	9527	3204	*	4032	647	-	*
Locust	*	*	-	-	*	-	-	*
Shortage of rain	*	*	*	-	*	*	-	*
Too much rain	9220	1153	*	*	*	*	*	*
Wild animals	*	*	*	-	-	-	-	-
Birds	26584	7608	2928	*	2914	745	*	*
Hailstone	7252	1500	421	*	*	*	*	*
Pests	1602	51	*	-	-	-	*	-
Weeds	8952	*	*	*	*	*	-	*
Others	18183	2553	1406	*	945	*	-	*

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

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

Zone 1

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

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

Zone 3

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

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

Amhara Region

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	3436111	744274	284568	138917	67956	22290	17217	26624
Crop disease	*	*	*	*	-	-	*	-
Frost or floods	537135	74314	23992	9941	14696	*	926	544
Locust	455328	63122	22874	10551	5134	*	1836	2358
Shortage of rain	142237	10865	2249	1582	*	-	*	161
Too much rain	1108189	75893	28601	18032	5878	1123	1963	4598
Wild animals	66952	3122	944	681	*	*	*	*
Birds	379993	40606	15626	5483	5405	2986	*	715
Hailstone	1531881	215615	94835	37841	14790	5480	5014	7649
Pests	329779	29325	11412	4882	3879	*	1125	519
Weeds	1231288	130427	44829	31289	8925	1918	3349	7769
Others	1105601	99679	38735	18308	8367	1683	2570	1877

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

North Gonder

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	566673	150721	51741	21156	29654	10530	1651	2561
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	167978	42260	11220	2721	12956	*	*	*
Locust	95867	17746	4258	*	*	*	*	*
Shortage of rain	*	*	*	*	*	-	-	-
Too much rain	157059	11671	4022	2359	*	*	*	*
Wild animals	14928	*	*	*	*	-	-	*
Birds	123355	17459	6166	1238	*	2461	*	*
Hailstone	191834	21932	10241	3942	2103	*	*	*
Pests	66502	6350	2424	1038	1424	*	*	-
Weeds	134717	10553	4707	2587	1274	*	*	*
Others	204585	19710	7996	2591	*	344	163	*

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

South Gonder

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	469936	103956	46588	28469	5163	844	3650	1619
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	101899	10607	4700	3191	*	*	*	*
Locust	87349	13351	7356	2100	*	-	*	*
Shortage of rain	14785	1405	*	*	-	-	*	*
Too much rain	141166	7373	3738	2061	*	*	*	*
Wild animals	9652	262	*	*	-	-	*	*
Birds	91407	6506	2908	1787	*	*	*	*
Hailstone	251225	30608	14023	8102	2167	516	*	*
Pests	59568	4318	1662	1508	*	-	*	*
Weeds	141019	12479	4096	4437	670	*	*	*
Others	187332	17046	7503	4764	561	*	*	*

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	283887	52070	24113	11646	2787	1202	1699	2276
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	23169	1407	454	368	*	-	-	*
Locust	31771	3556	*	*	*	-	*	*
Shortage of rain	27674	1150	101	*	*	-	-	*
Too much rain	105402	8499	3507	1952	294	*	*	*
Wild animals	3176	*	*	*	*	-	-	*
Birds	17704	1756	*	*	*	*	*	*
Hailstone	112296	10800	6189	1182	460	*	*	*
Pests	20394	1440	714	*	*	-	*	-
Weeds	130653	19357	9144	4155	1420	*	*	779
Others	60222	3937	1632	1455	*	-	*	101

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	516645	86992	25137	16466	3751	722	833	6917
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	73107	3781	765	*	*	*	*	*
Locust	51490	4284	*	*	*	-	-	*
Shortage of rain	30411	1727	351	*	*	-	-	-
Too much rain	212544	15436	4699	3642	864	*	*	1819
Wild animals	12375	257	*	*	-	*	-	*
Birds	33500	1691	*	*	*	-	-	*
Hailstone	206654	22743	7210	2960	*	*	*	*
Pests	46193	2102	635	434	*	-	-	*
Weeds	253183	31268	9553	7107	2105	*	*	*
Others	88921	3703	442	487	*	*	-	*

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

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	411080	101863	32230	14566	6690	1466	3735	3699
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	56729	5995	2526	*	*	-	*	*
Locust	47455	3846	951	*	*	*	*	*
Shortage of rain	39086	3940	661	405	*	-	*	*
Too much rain	162332	12705	4519	1955	*	*	*	349
Wild animals	6276	*	*	*	-	-	*	*
Birds	32260	*	1050	*	*	*	-	*
Hailstone	160899	22419	10335	2686	903	*	604	*
Pests	24529	4423	1201	*	*	*	*	*
Weeds	221082	28563	6292	7042	1341	*	1009	2162
Others	149575	15230	4555	1670	881	*	513	62

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	422545	92075	45944	22054	5227	*	3142	2664
Crop disease	*	*	*	*	-	-	*	-
Frost or floods	44826	4165	*	1228	*	*	*	*
Locust	40131	*	3683	*	*	*	*	*
Shortage of rain	10022	*	*	*	-	-	*	-
Too much rain	112535	10153	4392	*	*	*	*	*
Wild animals	*	*	*	*	-	-	*	*
Birds	26753	3592	2290	*	*	-	*	-
Hailstone	241481	38005	18907	9088	2286	879	1198	*
Pests	36734	4428	2506	716	*	*	*	*
Weeds	133504	9392	4554	2500	*	*	524	*
Others	114535	11177	6401	*	*	*	*	*

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	431394	75189	23151	15226	5265	1622	1576	3188
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	38358	3270	637	1325	*	-	-	*
Locust	71156	6009	1371	*	*	*	*	225
Shortage of rain	2625	*	-	*	-	-	*	*
Too much rain	148022	6591	2306	1890	153	*	*	635
Wild animals	7844	*	*	*	*	-	-	-
Birds	22885	1725	770	*	*	*	-	*
Hailstone	196886	26257	8413	4500	862	*	500	1228
Pests	54474	4820	1769	546	*	*	*	*
Weeds	138047	8349	2458	*	721	*	*	*
Others	189003	17661	5356	3449	2013	135	*	357

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	83208	26734	13880	4624	4252	*	*	*
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	5395	451	235	*	*	-	-	-
Locust	10671	*	*	*	*	-	-	-
Shortage of rain	*	*	*	*	*	-	-	-
Too much rain	18393	1219	855	172	147	-	*	*
Wild animals	*	*	*	-	-	-	-	-
Birds	15553	2003	987	*	492	*	-	-
Hailstone	46325	14230	7828	2672	2594	*	*	*
Pests	6377	474	174	*	*	*	*	-
Weeds	21085	2262	1162	480	183	*	*	*
Others	21117	*	*	398	*	-	-	-

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

Awi

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	162159	28718	12884	2738	1920	*	764	*
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	21471	1918	712	*	*	*	*	*
Locust	17889	*	*	*	*	-	*	*
Shortage of rain	*	*	*	-	-	-	-	*
Too much rain	40941	1176	349	*	*	*	*	*
Wild animals	*	*	*	*	*	-	-	-
Birds	13495	1019	*	*	*	-	-	*
Hailstone	52407	12140	5742	1443	*	*	*	*
Pests	8170	400	*	-	-	*	*	-
Weeds	25772	1586	885	*	*	*	*	*
Others	82278	7920	3571	718	*	735	*	*

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	80954	23354	8005	1806	2781	*	*	2791
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	4127	*	*	*	-	*	-	*
Locust	*	*	*	-	*	*	-	*
Shortage of rain	*	*	-	-	-	-	-	-
Too much rain	9393	1053	*	*	*	*	*	*
Wild animals	*	*	*	*	-	-	-	*
Birds	2999	277	*	-	*	-	-	*
Hailstone	64726	14668	5453	1181	1729	*	*	1364
Pests	6232	516	*	*	*	*	-	*
Weeds	29430	5948	1614	485	*	*	-	891
Others	7893	347	110	*	*	*	-	*

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

Argoba Speciacal Zone

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	7629	2602	896	165	467	*	*	*
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	*	*	*	-	*	-	-	-
Locust	-	-	-	-	-	-	-	-
Shortage of rain	*	*	*	-	-	-	-	-
Too much rain	402	16	7	*	*	*	-	-
Wild animals	*	*	*	-	-	-	-	-
Birds	81	*	*	-	*	-	-	-
Hailstone	7149	1813	495	86	367	*	-	*
Pests	606	53	16	*	*	*	-	*
Weeds	2796	670	365	76	64	29	*	*
Others	140	*	*	-	*	-	-	-

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	3974490	884561	329253	91611	35090	14321	16321	106181
Crop disease	7025	*	*	*	*	*	*	*
Frost or floods	780860	110640	47113	14409	3703	2228	952	6309
Locust	189796	19954	6330	2379	*	*	549	3597
Shortage of rain	108008	8988	3936	1865	*	*	*	*
Too much rain	1284358	100941	30829	6677	3270	1640	1496	27195
Wild animals	66465	3155	1294	*	*	*	*	140
Birds	492526	58387	21576	4842	3602	1565	1552	5385
Hailstone	1729997	304630	112998	29669	11153	4189	7012	29703
Pests	227257	31614	14225	7449	543	607	*	1413
Weeds	1018951	112596	40125	11302	4712	1445	2015	12562
Others	1216735	132624	50548	11865	6953	2140	1976	19192

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	231108	38427	6307	1644	*	*	*	11698
Crop disease	*	*	-	-	-	-	-	*
Frost or floods	47739	2781	793	*	*	*	*	647
Locust	11820	*	*	*	*	-	-	*
Shortage of rain	2678	*	*	*	-	-	-	*
Too much rain	113321	8238	1286	384	*	*	*	1899
Wild animals	*	*	*	-	-	*	-	*
Birds	22052	819	60	*	*	*	*	210
Hailstone	61318	7122	1287	251	*	*	-	*
Pests	6416	510	*	-	-	*	-	*
Weeds	90598	7416	707	*	*	*	*	2031
Others	119473	9686	1694	*	*	*	*	2349

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	177101	38468	11662	2412	5685	685	*	5474
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	28415	2042	640	*	*	*	*	223
Locust	13168	1780	576	*	*	*	*	*
Shortage of rain	1286	*	-	-	-	-	-	*
Too much rain	94921	6726	1628	502	882	*	*	1305
Wild animals	2264	*	*	-	*	*	-	-
Birds	23895	3200	886	*	222	*	*	307
Hailstone	54763	9342	2597	753	1659	*	*	*
Pests	11260	1025	625	*	*	*	-	*
Weeds	26768	1946	*	*	*	*	-	109
Others	92329	12277	3764	615	2020	*	*	1892

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	234348	48355	14717	2890	1690	578	581	17780
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	59655	5091	1824	*	*	*	*	1636
Locust	18747	2038	*	*	*	*	*	*
Shortage of rain	*	*	384	*	-	*	*	*
Too much rain	130737	14942	4020	617	*	*	*	6686
Wild animals	3819	*	*	*	*	*	-	*
Birds	28405	1919	709	*	*	*	-	622
Hailstone	45953	4290	1285	265	*	*	*	1031
Pests	15774	1781	899	*	*	-	-	176
Weeds	35964	1354	411	*	*	-	*	326
Others	122110	15627	4776	1166	*	*	*	5934

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	465204	77294	23324	4321	3042	*	*	18889
Crop disease	*	*	-	*	-	-	-	-
Frost or floods	114906	9596	2287	*	*	*	*	2266
Locust	*	*	*	*	-	-	-	*
Shortage of rain	7060	*	*	-	-	-	-	*
Too much rain	253597	20901	4348	*	225	*	*	7904
Wild animals	13387	174	*	*	*	-	-	*
Birds	58317	5826	1055	*	*	-	-	*
Hailstone	181686	16212	5907	*	*	*	*	2527
Pests	16016	1014	658	*	-	-	-	199
Weeds	84162	3740	1960	*	*	-	-	370
Others	187065	18810	6582	595	*	*	*	3842

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	299897	68628	33225	5835	5363	*	2937	2161
Crop disease	*	*	*	-	-	-	*	-
Frost or floods	35698	3107	1076	*	*	-	*	*
Locust	11967	*	*	-	-	-	-	-
Shortage of rain	15188	616	334	*	*	-	*	-
Too much rain	86939	5223	2043	*	*	*	*	*
Wild animals	10001	*	149	*	-	-	-	-
Birds	39296	*	*	*	*	*	*	*
Hailstone	160722	27258	13034	*	2070	*	1276	543
Pests	25644	3509	1801	*	*	-	*	*
Weeds	43066	2168	1237	*	*	*	-	*
Others	115154	16371	8736	*	1092	*	*	274

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	252642	63629	22820	8610	1701	1080	640	*
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	34972	7114	2734	617	*	*	*	-
Locust	23627	4657	1481	*	-	-	*	-
Shortage of rain	15759	1163	225	*	*	*	*	*
Too much rain	42268	3575	*	*	*	-	*	-
Wild animals	5738	*	*	*	-	-	-	-
Birds	28526	1705	495	154	*	*	*	*
Hailstone	105719	12124	4844	2008	*	*	*	*
Pests	21500	2782	788	237	-	*	*	-
Weeds	97363	20156	6396	2710	*	*	*	*
Others	75472	9438	3779	972	*	*	*	*

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	220839	79603	41186	23891	-	1432	*	*
Crop disease	*	*	-	*	-	-	-	-
Frost or floods	87332	22415	12558	6027	-	*	*	*
Locust	1581	*	*	*	-	-	-	-
Shortage of rain	7916	*	*	*	-	-	*	-
Too much rain	37852	5042	2439	989	-	*	-	*
Wild animals	*	*	*	*	-	-	-	-
Birds	37396	5800	3813	931	-	-	*	*
Hailstone	101970	26014	12466	8383	-	*	*	*
Pests	32146	6901	3245	*	-	*	-	*
Weeds	45729	5112	2544	2139	-	*	-	*
Others	44770	6110	3164	1481	-	*	*	*

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	380613	91957	45462	8674	3618	*	1185	*
Crop disease	*	*	-	*	-	-	-	-
Frost or floods	135448	20494	10949	1434	733	*	387	*
Locust	33895	2682	1023	*	*	*	-	*
Shortage of rain	8625	*	*	*	*	-	*	-
Too much rain	69558	*	*	660	*	-	*	*
Wild animals	6317	188	*	*	-	-	-	*
Birds	46014	5438	2269	*	*	-	*	*
Hailstone	157884	33525	14188	3606	819	*	*	*
Pests	22367	*	*	*	*	*	-	-
Weeds	86161	9708	4728	753	*	*	224	*
Others	77826	6341	3508	*	*	*	*	*

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	308554	109888	33878	5353	3331	1884	3208	13593
Crop disease	*	*	-	-	-	-	-	*
Frost or floods	14797	1144	402	*	*	*	*	*
Locust	16862	1256	*	*	*	-	*	*
Shortage of rain	*	*	*	*	-	*	*	*
Too much rain	112642	6858	2126	445	*	*	*	1220
Wild animals	1689	*	*	-	-	-	-	-
Birds	25002	*	779	*	*	*	*	*
Hailstone	241896	68455	20856	2724	889	1396	1684	7630
Pests	10257	*	*	*	*	*	*	*
Weeds	144657	25098	8555	1159	*	*	386	*
Others	22580	1441	453	*	*	-	*	190

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	415126	77294	22894	2691	1689	*	4420	12225
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	26521	1073	278	*	-	*	*	*
Locust	*	*	*	-	-	-	*	*
Shortage of rain	3751	*	*	*	-	-	*	*
Too much rain	64634	2162	505	*	*	-	239	833
Wild animals	*	*	*	-	-	-	*	-
Birds	51017	6507	2451	*	*	*	*	842
Hailstone	305797	48713	13886	2260	1187	*	2620	6674
Pests	5650	160	-	*	-	-	*	*
Weeds	153582	14851	4860	146	*	-	1045	3107
Others	49775	2504	713	*	*	-	*	*

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	195744	57614	18228	2982	1545	*	*	7450
Crop disease	*	*	-	*	-	-	-	-
Frost or floods	60268	20167	6150	1215	*	*	-	*
Locust	*	*	*	-	-	*	-	-
Shortage of rain	3487	*	*	*	-	-	-	*
Too much rain	9907	*	*	*	-	*	*	*
Wild animals	*	*	*	*	-	-	-	-
Birds	18405	2244	*	*	-	-	*	*
Hailstone	86256	21997	8343	*	*	*	*	3169
Pests	3823	*	*	*	-	-	-	-
Weeds	35366	5012	1357	149	*	-	*	*
Others	35938	4810	1542	*	-	-	-	*

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	60012	5720	1074	*	-	282	*	1545
Crop disease	*	*	-	-	-	*	-	-
Frost or floods	4271	145	*	*	-	*	-	49
Locust	*	*	*	-	-	-	*	-
Shortage of rain	*	*	-	-	-	*	-	-
Too much rain	36061	1994	277	57	-	*	*	1156
Wild animals	1801	*	*	*	-	-	-	*
Birds	*	*	*	*	-	*	-	*
Hailstone	17548	1844	349	*	-	*	-	*
Pests	1198	*	-	-	-	*	-	*
Weeds	10890	446	*	*	-	*	*	*
Others	6606	291	53	*	-	*	*	*

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	235221	39560	18121	12914	718	*	640	820
Crop disease	*	*	*	-	-	-	-	-
Frost or floods	47998	*	*	*	*	*	*	262
Locust	8525	644	*	*	*	-	-	*
Shortage of rain	*	*	*	*	-	-	*	-
Too much rain	56338	1039	234	164	*	*	*	36
Wild animals	6628	89	*	*	-	-	-	*
Birds	45492	4580	1811	1080	*	*	*	-
Hailstone	96397	7765	3473	3108	*	*	*	*
Pests	20123	4887	*	*	-	-	-	-
Weeds	73297	7327	3547	*	*	*	*	*
Others	86163	6238	2643	1860	*	*	*	*

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	104324	18148	4797	*	-	*	*	4605
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	4868	*	*	-	-	-	*	*
Locust	*	*	-	-	-	-	-	*
Shortage of rain	*	*	-	-	-	-	-	*
Too much rain	44703	3626	623	*	-	*	*	2298
Wild animals	-	-	-	-	-	-	-	-
Birds	18717	*	*	*	-	-	-	*
Hailstone	16237	2938	*	*	-	-	-	*
Pests	*	*	-	-	-	-	-	*
Weeds	27218	*	*	*	-	*	*	338
Others	33104	4224	1219	*	-	*	*	*

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	108524	16924	4537	1981	594	*	*	4735
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	27417	2447	956	*	*	*	*	385
Locust	*	*	*	*	-	*	-	*
Shortage of rain	6132	134	*	*	*	-	*	*
Too much rain	35773	2913	464	125	*	*	*	777
Wild animals	*	*	*	*	*	-	*	*
Birds	14045	1426	423	*	*	*	*	368
Hailstone	14619	1312	312	*	*	*	-	448
Pests	11844	1042	288	*	*	*	*	307
Weeds	25149	2063	465	*	*	*	-	742
Others	53463	4957	1461	560	*	*	*	1396

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	81851	23631	9483	1773	4347	633	*	391
Crop disease	*	*	-	-	*	-	-	-
Frost or floods	10440	1409	556	*	*	*	-	*
Locust	4435	543	*	*	*	*	*	-
Shortage of rain	5469	*	*	*	*	-	*	*
Too much rain	25884	1311	687	60	266	*	*	*
Wild animals	1892	*	*	*	*	*	-	*
Birds	11038	1353	414	*	*	*	*	*
Hailstone	28949	6775	2960	336	1219	*	*	*
Pests	9561	1164	494	*	*	-	*	*
Weeds	16508	1669	748	77	*	*	*	*
Others	44676	9170	3417	716	1526	*	*	*

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	203382	29420	17539	*	*	*	344	*
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	40114	5237	*	*	*	*	*	150
Locust	*	*	*	*	-	-	*	*
Shortage of rain	*	*	*	-	-	-	-	-
Too much rain	69223	5581	2635	339	*	*	*	*
Wild animals	*	*	*	*	-	-	-	-
Birds	19421	2157	998	*	-	-	*	*
Hailstone	52283	8943	6393	*	-	*	*	*
Pests	*	*	*	*	-	-	*	-
Weeds	22475	1484	1064	*	-	*	-	*
Others	50231	4329	3040	*	-	*	*	*

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	63861	24009	9837	*	*	*	*	*
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	*	*	-	-	-	-	-	*
Locust	-	-	-	-	-	-	-	-
Shortage of rain	*	*	*	-	-	-	-	-
Too much rain	1763	*	*	-	-	*	-	*
Wild animals	*	*	*	-	-	-	*	-
Birds	6311	509	305	-	-	*	*	*
Hailstone	53482	22162	9203	*	*	*	*	*
Pests	*	*	*	-	-	-	-	-
Weeds	4034	470	*	-	-	-	*	*
Others	*	342	*	*	-	-	*	*

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

Shinele

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	5240	1395	382	-	-	-	*	*
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	*	*	-	-	-	-	-	*
Locust	-	-	-	-	-	-	-	-
Shortage of rain	-	-	-	-	-	-	-	-
Too much rain	1235	*	*	-	-	-	-	*
Wild animals	-	-	-	-	-	-	-	-
Birds	*	*	-	-	-	-	-	-
Hailstone	4432	984	319	-	-	-	*	*
Pests	*	*	-	-	-	-	-	-
Weeds	1986	*	*	-	-	-	-	*
Others	311	*	*	-	-	-	-	*

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	51379	22094	9334	*	*	*	*	*
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	-	-	-	-	-	-	-	-
Locust	-	-	-	-	-	-	-	-
Shortage of rain	*	*	*	-	-	-	-	-
Too much rain	*	*	*	-	-	-	-	-
Wild animals	*	*	*	-	-	-	*	-
Birds	4329	450	296	-	-	*	*	*
Hailstone	46197	20954	8785	*	*	*	*	*
Pests	-	-	-	-	-	-	-	-
Weeds	*	*	*	-	-	-	*	-
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	7242	519	*	*	-	*	*	*
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	-	-	-	-	-	-	-	-
Locust	-	-	-	-	-	-	-	-
Shortage of rain	*	*	-	-	-	-	-	-
Too much rain	*	*	*	-	-	*	-	-
Wild animals	*	*	-	-	-	-	-	-
Birds	*	*	*	-	-	-	-	-
Hailstone	*	*	*	*	-	-	-	-
Pests	*	*	*	-	-	-	-	-
Weeds	*	*	-	-	-	-	*	*
Others	*	*	-	*	-	-	*	-

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

Benishangul – Gumuz Region

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	172046	25742	7013	3795	6261	1145	692	1301
Crop disease	*	*	*	-	-	-	-	-
Frost or floods	63412	6586	1735	1319	1888	154	121	241
Locust	8430	1273	439	*	*	*	*	*
Shortage of rain	*	*	*	*	*	-	*	*
Too much rain	37608	1718	447	177	293	38	*	167
Wild animals	1265	*	*	*	*	-	*	*
Birds	63873	7220	1947	1007	1786	353	135	305
Hailstone	8018	*	*	*	*	*	*	*
Pests	4202	609	*	*	*	*	*	-
Weeds	26148	1449	501	*	316	*	*	*
Others	57474	5381	1339	*	1161	519	*	280

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	78338	13976	3339	2669	4312	788	274	*
Crop disease	*	*	*	-	-	-	-	-
Frost or floods	35223	4476	1075	*	1610	124	*	*
Locust	2601	382	*	*	*	-	*	*
Shortage of rain	*	*	*	*	*	-	*	*
Too much rain	9872	*	*	*	*	*	*	-
Wild animals	*	*	-	*	-	-	-	-
Birds	28019	3700	736	*	1218	*	*	*
Hailstone	*	*	*	*	*	*	-	-
Pests	3126	560	*	*	*	*	*	-
Weeds	7569	450	*	*	215	*	-	*
Others	25622	2802	582	*	580	*	*	*

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	67967	7521	2444	*	1043	*	290	752
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	21486	1324	525	*	219	*	*	104
Locust	*	*	*	*	*	*	-	*
Shortage of rain	-	-	-	-	-	-	-	-
Too much rain	16006	587	*	*	92	*	*	*
Wild animals	*	*	*	-	-	-	-	-
Birds	26647	2322	750	*	320	*	*	*
Hailstone	2391	165	*	*	*	-	-	*
Pests	700	*	*	-	*	-	-	-
Weeds	15100	838	387	*	79	*	*	*
Others	21860	1422	359	92	231	*	*	162

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	15720	3302	1019	*	791	145	*	*
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	2668	481	83	*	*	*	*	*
Locust	*	*	*	-	*	-	-	-
Shortage of rain	*	*	*	-	*	-	-	-
Too much rain	6239	540	85	*	178	*	*	*
Wild animals	314	*	*	-	*	-	-	-
Birds	7143	1099	426	*	241	*	*	*
Hailstone	819	*	*	*	*	-	*	*
Pests	*	*	-	-	*	-	*	-
Weeds	914	33	*	*	*	*	*	*
Others	7419	1017	362	80	321	98	*	24

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

Mao Komo Zone

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	10021	943	210	17	115	*	27	134
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	4035	304	52	*	45	-	*	*
Locust	276	*	*	*	*	-	-	*
Shortage of rain	*	*	*	-	-	-	-	-
Too much rain	5491	217	49	*	14	*	*	*
Wild animals	220	*	*	-	-	-	*	*
Birds	2064	99	34	*	7	*	*	*
Hailstone	330	*	*	-	*	-	-	*
Pests	-	-	-	-	-	-	-	-
Weeds	2564	128	36	-	17	-	*	*
Others	2573	140	36	-	*	*	*	*

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	2354457	173133	65657	14891	869	4270	8118	25190
Crop disease	*	*	*	-	-	-	-	*
Frost or floods	699265	32900	14009	3989	100	885	1598	2560
Locust	75612	3843	1418	103	-	*	*	*
Shortage of rain	72312	1367	681	68	-	*	*	112
Too much rain	1036021	25833	5802	1898	*	900	1059	8002
Wild animals	34250	743	297	47	*	*	*	*
Birds	235499	8937	3151	1003	*	122	458	971
Hailstone	758394	45527	18348	4219	*	1169	2625	5419
Pests	108913	7977	3683	309	*	333	224	*
Weeds	302226	6888	3108	578	*	144	269	875
Others	719311	39086	15154	2676	189	585	1788	5311

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	159098	12174	*	*	*	*	*	417
Crop disease	*	*	*	-	-	-	-	-
Frost or floods	42518	1499	*	*	*	*	*	*
Locust	*	*	*	-	-	-	-	-
Shortage of rain	-	-	-	-	-	-	-	-
Too much rain	58648	1541	*	*	*	*	*	104
Wild animals	4046	14	*	-	-	-	-	*
Birds	19818	458	165	*	-	-	*	*
Hailstone	42973	*	*	*	*	*	*	30
Pests	6067	306	259	-	-	-	-	-
Weeds	27553	805	*	*	-	*	*	*
Others	51609	1471	843	*	-	*	*	55

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	220794	19533	9178	1081	*	661	*	782
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	43175	1474	688	*	*	*	*	*
Locust	*	*	*	*	-	*	*	*
Shortage of rain	13329	*	*	*	-	-	-	*
Too much rain	65686	2191	864	*	*	*	*	147
Wild animals	3358	*	*	-	-	-	-	*
Birds	11546	*	*	*	*	*	-	-
Hailstone	100959	4287	2040	*	*	*	*	*
Pests	22650	*	*	-	-	*	-	*
Weeds	23539	566	*	*	*	-	-	*
Others	126200	8466	3994	593	*	*	*	320

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	91998	6278	2079	219	-	*	*	750
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	24736	1082	*	*	-	*	*	*
Locust	*	*	*	*	-	-	*	*
Shortage of rain	9148	*	*	*	-	*	*	*
Too much rain	24965	760	289	*	-	*	*	*
Wild animals	*	*	-	-	-	-	-	-
Birds	4346	168	*	-	-	-	-	*
Hailstone	40892	1627	*	*	-	*	*	287
Pests	3666	137	22	*	-	*	*	*
Weeds	5885	88	*	*	-	-	*	*
Others	48660	2030	406	75	-	*	*	238

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	586458	26085	6902	1251	*	724	830	8656
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	83846	1366	*	*	-	*	*	338
Locust	33678	*	*	-	-	*	-	*
Shortage of rain	*	*	*	-	-	-	*	*
Too much rain	340445	6857	926	245	-	216	230	2957
Wild animals	-	-	-	-	-	-	-	-
Birds	36656	621	75	*	-	*	*	108
Hailstone	179454	6450	*	466	-	*	353	1519
Pests	*	*	-	-	-	-	-	*
Weeds	70636	707	*	*	*	*	*	*
Others	131927	8431	*	*	*	*	*	*

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	106851	5308	403	*	*	119	131	3440
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	4008	44	-	*	-	*	*	*
Locust	*	*	*	-	-	*	*	*
Shortage of rain	*	*	*	-	-	*	*	*
Too much rain	85726	4390	273	*	-	94	111	2950
Wild animals	*	*	-	-	-	-	-	-
Birds	4111	*	-	*	-	-	-	37
Hailstone	*	*	-	-	-	-	-	*
Pests	*	*	-	-	-	-	-	*
Weeds	13936	295	*	*	*	*	*	123
Others	12791	281	*	*	-	*	-	125

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	236097	16108	4046	1781	*	157	1142	*
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	108124	3450	914	474	*	*	342	227
Locust	*	*	*	-	-	*	-	*
Shortage of rain	18527	239	164	*	-	*	*	*
Too much rain	83444	675	100	*	*	*	29	75
Wild animals	4808	*	*	*	-	-	-	*
Birds	8721	223	*	*	-	*	*	*
Hailstone	135362	7921	1893	844	*	48	451	*
Pests	14489	845	*	*	-	*	*	*
Weeds	26798	207	54	*	-	*	*	*
Others	77853	2426	542	295	*	*	214	161

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	58873	4467	1368	*	*	*	258	240
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	20185	775	296	*	*	*	*	65
Locust	-	-	-	-	-	-	-	-
Shortage of rain	*	*	-	-	-	-	*	-
Too much rain	20297	380	64	*	-	*	*	36
Wild animals	820	*	*	-	-	-	-	*
Birds	16521	1237	*	*	*	-	*	*
Hailstone	13071	*	*	*	*	*	*	*
Pests	*	*	*	-	-	-	*	-
Weeds	9374	207	*	*	*	-	*	*
Others	5897	283	*	*	*	-	*	*

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	33878	2537	306	*	-	101	180	839
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	15081	753	88	*	-	*	42	*
Locust	*	*	-	-	-	-	-	*
Shortage of rain	*	*	-	-	-	-	-	*
Too much rain	18763	999	105	*	-	*	38	548
Wild animals	*	*	*	-	-	-	-	*
Birds	4306	175	33	*	-	*	*	*
Hailstone	736	*	*	-	-	-	*	*
Pests	*	*	-	-	-	-	-	*
Weeds	1586	*	*	-	-	*	*	*
Others	8552	548	75	*	-	*	*	*

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	165335	20543	8447	3773	*	489	802	2638
Crop disease	*	*	-	-	-	-	-	*
Frost or floods	87225	7448	3019	1700	*	*	273	799
Locust	*	*	*	*	-	*	-	*
Shortage of rain	*	*	*	*	-	-	*	-
Too much rain	93580	2393	767	345	*	137	110	425
Wild animals	5166	*	*	*	-	-	*	*
Birds	41975	1896	715	273	*	*	*	288
Hailstone	32431	2299	759	625	-	*	*	*
Pests	2892	*	22	*	-	-	*	*
Weeds	20338	708	269	179	-	*	*	49
Others	59484	4986	2495	594	-	*	*	654

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	299534	23918	8775	875	*	159	3013	2470
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	144697	5395	2411	191	*	*	567	*
Locust	*	*	-	-	-	-	-	*
Shortage of rain	*	*	*	-	-	-	-	*
Too much rain	87006	1312	407	*	-	-	151	137
Wild animals	8720	*	*	*	-	-	*	*
Birds	37865	1520	589	*	*	-	*	*
Hailstone	91434	7802	3013	326	-	-	962	621
Pests	27927	2322	*	*	*	-	*	*
Weeds	46589	462	60	*	-	*	*	*
Others	90362	*	1206	*	-	*	*	*

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	67355	2769	1202	180	*	100	244	506
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	11359	387	219	*	-	*	*	44
Locust	*	*	-	*	-	-	-	*
Shortage of rain	*	*	-	-	-	-	-	*
Too much rain	41912	828	321	*	-	*	133	172
Wild animals	*	*	*	*	-	-	-	*
Birds	8598	265	*	*	-	-	*	*
Hailstone	5584	160	*	*	*	*	*	*
Pests	*	*	*	-	-	*	*	-
Weeds	6413	*	*	*	-	-	*	*
Others	24344	877	370	69	*	*	59	135

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	18267	2004	905	287	*	*	*	210
Crop disease	*	*	-	-	-	-	-	-
Frost or floods	4864	291	129	60	-	*	-	*
Locust	405	*	*	*	-	-	-	*
Shortage of rain	-	-	-	-	-	-	-	-
Too much rain	13106	346	163	44	9	-	*	*
Wild animals	556	*	*	-	-	-	-	-
Birds	883	40	*	*	-	*	-	-
Hailstone	8763	698	296	80	*	*	*	84
Pests	*	*	*	-	-	-	*	*
Weeds	4274	121	60	*	*	*	*	*
Others	5503	406	213	75	-	*	*	*

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

Segen Peoples

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	48346	4565	2151	625	-	*	*	149
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	15087	919	401	*	-	*	*	*
Locust	-	-	-	-	-	-	-	-
Shortage of rain	*	*	-	*	-	-	*	-
Too much rain	15729	474	*	*	-	*	*	*
Wild animals	*	*	*	*	-	-	-	-
Birds	6527	466	159	*	-	*	*	*
Hailstone	10763	757	*	*	-	*	*	*
Pests	*	*	*	*	-	-	-	*
Weeds	15161	*	*	*	-	*	*	*
Others	8006	268	118	*	-	*	*	*

Table 3.7.14 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	65877	6785	2024	1276	*	63	443	785
Crop disease	*	*	*	-	-	-	-	*
Frost or floods	17372	1441	*	344	*	*	*	*
Locust	*	*	*	*	-	*	*	*
Shortage of rain	*	*	-	-	-	-	*	*
Too much rain	41030	1405	290	324	*	*	79	132
Wild animals	844	*	*	*	*	-	-	*
Birds	8658	289	*	43	*	*	*	*
Hailstone	32596	2068	655	251	*	*	*	171
Pests	3304	170	*	*	*	-	*	*
Weeds	9244	288	109	*	-	*	*	8
Others	13765	917	146	172	*	*	*	*

Table 3.7.15 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	14746	941	312	56	*	*	116	89
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	5990	166	60	8	*	-	25	12
Locust	-	-	-	-	-	-	-	-
Shortage of rain	2465	*	*	*	-	-	1	*
Too much rain	8325	182	42	*	*	-	33	29
Wild animals	263	*	*	*	-	-	*	-
Birds	2224	86	*	*	-	-	*	*
Hailstone	3390	200	62	*	-	*	29	*
Pests	523	*	*	-	-	-	*	*
Weeds	2972	112	*	*	-	*	8	*
Others	3778	133	55	*	*	*	7	15

Table 3.7.16 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	23376	2094	340	224	-	90	95	477
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	12458	737	*	43	-	*	*	168
Locust	*	*	*	*	-	*	-	*
Shortage of rain	*	*	-	-	-	-	-	*
Too much rain	14377	196	*	*	-	*	6	58
Wild animals	607	*	*	-	-	*	-	*
Birds	7206	241	47	21	-	*	*	64
Hailstone	8836	622	*	*	-	*	*	*
Pests	817	*	*	*	-	-	-	*
Weeds	2560	24	*	*	-	*	*	*
Others	4833	231	*	*	-	*	7	*

Table 3.7.17 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	121617	12862	7061	1006	*	610	*	*
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	53223	5369	3022	*	-	*	-	*
Locust	*	*	*	*	-	-	-	-
Shortage of rain	7763	*	*	*	-	-	-	*
Too much rain	18566	730	477	*	-	*	*	*
Wild animals	*	42	*	-	-	*	-	-
Birds	10389	389	*	*	-	*	-	*
Hailstone	37431	2373	1339	220	*	209	-	*
Pests	10852	763	194	*	*	*	-	*
Weeds	13265	586	375	*	-	*	-	*
Others	34101	1758	1039	*	-	*	-	*

Table 3.7.18 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	35957	4163	2625	181	*	466	*	41
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	5317	305	117	*	*	*	-	*
Locust	*	*	*	*	-	*	-	-
Shortage of rain	*	*	*	*	-	*	-	-
Too much rain	4416	174	119	-	-	*	-	*
Wild animals	*	*	*	-	-	-	-	-
Birds	5149	*	*	-	*	*	-	*
Hailstone	12770	847	547	82	*	52	-	-
Pests	9193	1220	681	*	-	*	-	*
Weeds	2102	44	*	-	-	*	-	-
Others	11649	665	371	*	*	*	*	*

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

Cause of damage	Damaged crop area by crop category (HA)							
	Holders	All crops	Cereals	Pulses	Oilseeds	Vegetables	Root crops	Permanent
All damage	16556	1188	128	133	*	*	*	454
Crop disease	*	*	-	-	*	-	-	*
Frost or floods	5208	274	22	*	*	*	*	35
Locust	*	*	-	-	-	-	-	*
Shortage of rain	*	*	*	-	-	-	-	*
Too much rain	4577	352	58	*	*	*	*	218
Wild animals	387	12	*	*	-	*	-	*
Birds	3898	167	20	43	*	*	*	49
Hailstone	1406	*	*	*	-	-	-	*
Pests	*	*	-	-	-	-	-	*
Weeds	2047	73	*	*	-	*	*	*
Others	3369	226	17	*	*	*	*	89

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	4360	418	*	*	*	*	*	*
Crop disease	*	*	-	-	*	-	-	-
Frost or floods	2231	201	*	*	*	*	*	*
Locust	-	-	-	-	-	-	-	-
Shortage of rain	*	*	*	-	-	-	-	-
Too much rain	*	*	*	-	*	-	-	*
Wild animals	*	*	-	-	-	-	-	*
Birds	*	*	*	-	*	-	*	*
Hailstone	331	7	-	-	-	-	-	*
Pests	*	*	-	-	-	-	-	-
Weeds	*	*	*	-	-	*	*	*
Others	1341	*	*	*	*	-	*	*

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	3605	134	*	126	-	-	-	-
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	*	*	-	*	-	-	-	-
Locust	-	-	-	-	-	-	-	-
Shortage of rain	-	-	-	-	-	-	-	-
Too much rain	*	*	-	*	-	-	-	-
Wild animals	*	*	-	*	-	-	-	-
Birds	1114	43	-	43	-	-	-	-
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	7676	595	91	*	*	*	*	388
Crop disease	*	*	-	-	-	-	-	*
Frost or floods	1813	41	*	-	*	*	*	20
Locust	*	*	-	-	-	-	-	*
Shortage of rain	*	*	*	-	-	-	-	*
Too much rain	3923	328	57	*	-	*	*	210
Wild animals	301	*	*	-	-	*	-	*
Birds	1826	59	14	-	-	*	*	27
Hailstone	*	*	*	-	-	-	-	*
Pests	*	*	-	-	-	-	-	*
Weeds	699	*	*	-	-	*	-	*
Others	2014	99	12	*	-	*	*	72

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	*	*	*	-	-	*	*	*
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	*	*	*	-	-	-	-	*
Locust	-	-	-	-	-	-	-	-
Shortage of rain	-	-	-	-	-	-	-	-
Too much rain	-	-	-	-	-	-	-	-
Wild animals	-	-	-	-	-	-	-	-
Birds	*	*	*	-	-	*	-	*
Hailstone	*	*	*	-	-	-	-	-
Pests	-	-	-	-	-	-	-	-
Weeds	*	*	*	-	-	-	*	-
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	23449	4304	924	-	*	*	60	1547
Crop disease	-	-	-	-	-	-	-	-
Frost or floods	665	*	-	-	-	-	-	*
Locust	*	*	-	-	-	-	-	-
Shortage of rain	*	*	*	-	-	-	-	*
Too much rain	3016	150	*	-	*	*	*	*
Wild animals	-	-	-	-	-	-	-	-
Birds	1127	*	*	-	*	-	-	*
Hailstone	16433	2369	470	-	*	*	*	867
Pests	586	*	-	-	-	-	-	*
Weeds	12654	1385	301	-	*	-	*	507
Others	4001	249	115	-	*	-	*	47

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	20988	4247	793	173	*	*	*	390
Crop disease	*	*	-	-	-	-	-	-
Frost or floods	381	8	-	*	-	-	*	-
Locust	-	-	-	-	-	-	-	-
Shortage of rain	*	*	-	-	-	-	-	-
Too much rain	6918	367	100	*	*	*	*	34
Wild animals	*	*	-	-	-	-	-	-
Birds	864	86	*	*	-	-	*	*
Hailstone	18506	3397	608	118	*	*	*	322
Pests	-	-	-	-	-	-	-	-
Weeds	5931	311	42	*	*	*	*	20
Others	1753	*	*	*	-	-	*	*

Table 4. Number of Holders by Type of Farm practice

Ethiopia

Farm Practice	Number of Holders Reporting
Crop rotation	12547749
Reasons for not participating in extension package	
Ignorance	1345950
Shortage of money	3642309
Suspicion on effficacy	1017494
Programs unavailable	1003516
Insufficient arable land	1803945
Others	1086638
Use of services	
Credit	3354327
Advisory	11041169
Reasons for not using credit service	
Service unavailable	1529201
Failure to pay the loan	4918790
Inadequate service	3006903
Ignorance	701731
No return	507301
Others	1803383
Reasons for not using advisory service	
Service unavailable	597617
Inadequate service	2213244
Ignorance	1109507
No return	221367
Others	637855
Supplier of fertilizers	
Government	4379281
Private organizations	433499
Traders	1026171
Others	2915258

Table 4.1 Number of Holders by Type of Farm practice

Tigray Region

Farm Practice	Number of Holders Reporting
Crop rotation	951827
Reasons for not participating in extension package	
Ignorance	69058
Shortage of money	109371
Suspicion on effficacy	46786
Programs unavailable	29088
Insufficient arable land	81502
Others	26940
Use of services	
Credit	637725
Advisory	875842
Reasons for not using credit service	
Service unavailable	13397
Failure to pay the loan	245199
Inadequate service	24104
Ignorance	18263
No return	14147
Others	83925
Reasons for not using advisory service	
Service unavailable	23896
Inadequate service	37712
Ignorance	47716
No return	7338
Others	44257
Supplier of fertilizers	
Government	453252
Private organizations	87502
Traders	15985
Others	196270

Table 4.1.1 Number of Holders by Type of Farm practice

North West Tigray

Farm Practice	Number of Holders Reporting
Crop rotation	187266
Reasons for not participating in extension package	
Ignorance	8240
Shortage of money	31711
Suspicion on effficacy	3942
Programs unavailable	*
Insufficient arable land	11551
Others	*
Use of services	
Credit	131150
Advisory	169632
Reasons for not using credit service	
Service unavailable	1807
Failure to pay the loan	47771
Inadequate service	2576
Ignorance	4571
No return	2934
Others	12762
Reasons for not using advisory service	
Service unavailable	*
Inadequate service	3983
Ignorance	11908
No return	*
Others	7929
Supplier of fertilizers	
Government	95556
Private organizations	50662
Traders	2853
Others	*

Table 4.1.2 Number of Holders by Type of Farm practice

Central Tigray

Farm Practice	Number of Holders Reporting
Crop rotation	284093
Reasons for not participating in extension package	
Ignorance	19787
Shortage of money	32378
Suspicion on effficacy	18487
Programs unavailable	10806
Insufficient arable land	21539
Others	7380
Use of services	
Credit	194690
Advisory	263977
Reasons for not using credit service	
Service unavailable	2473
Failure to pay the loan	75134
Inadequate service	3082
Ignorance	4779
No return	4263
Others	22460
Reasons for not using advisory service	
Service unavailable	3006
Inadequate service	15391
Ignorance	10889
No return	4046
Others	9573
Supplier of fertilizers	
Government	113002
Private organizations	13699
Traders	9311
Others	110699

Table 4.1.3 Number of Holders by Type of Farm practice

East Tigray

Farm Practice	Number of Holders Reporting
Crop rotation	155035
Reasons for not participating in extension package	
Ignorance	17713
Shortage of money	11372
Suspicion on effficacy	*
Programs unavailable	*
Insufficient arable land	11771
Others	2315
Use of services	
Credit	107638
Advisory	151647
Reasons for not using credit service	
Service unavailable	*
Failure to pay the loan	44934
Inadequate service	-
Ignorance	*
No return	1262
Others	12851
Reasons for not using advisory service	
Service unavailable	*
Inadequate service	3283
Ignorance	*
No return	*
Others	7886
Supplier of fertilizers	
Government	80087
Private organizations	9153
Traders	2903
Others	47044

Table 4.1.4 Number of Holders by Type of Farm practice

South Tigray

Farm Practice	Number of Holders Reporting
Crop rotation	226821
Reasons for not participating in extension package	
Ignorance	12711
Shortage of money	19044
Suspicion on effficacy	8515
Programs unavailable	*
Insufficient arable land	19895
Others	8784
Use of services	
Credit	156129
Advisory	210134
Reasons for not using credit service	
Service unavailable	*
Failure to pay the loan	53731
Inadequate service	4348
Ignorance	*
No return	*
Others	28527
Reasons for not using advisory service	
Service unavailable	4570
Inadequate service	*
Ignorance	11532
No return	*
Others	14288
Supplier of fertilizers	
Government	130456
Private organizations	3199
Traders	-
Others	34255

Table 4.1.5 Number of Holders by Type of Farm practice

Western Tigray

Farm Practice	Number of Holders Reporting
Crop rotation	98611
Reasons for not participating in extension package	
Ignorance	10605
Shortage of money	14868
Suspicion on effficacy	13375
Programs unavailable	5998
Insufficient arable land	16747
Others	4760
Use of services	
Credit	48119
Advisory	80452
Reasons for not using credit service	
Service unavailable	8181
Failure to pay the loan	23629
Inadequate service	14098
Ignorance	5975
No return	2292
Others	7325
Reasons for not using advisory service	
Service unavailable	5885
Inadequate service	8517
Ignorance	8944
No return	1241
Others	4581
Supplier of fertilizers	
Government	34151
Private organizations	10789
Traders	*
Others	*

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

Afar Region

Farm Practice	Number of Holders Reporting
Crop rotation	*
Reasons for not participating in extension package	
Ignorance	698
Shortage of money	*
Suspicion on effficacy	*
Programs unavailable	23752
Insufficient arable land	-
Others	*
Use of services	
Credit	696
Advisory	*
Reasons for not using credit service	
Service unavailable	110144
Failure to pay the loan	*
Inadequate service	*
Ignorance	647
No return	*
Others	-
Reasons for not using advisory service	
Service unavailable	92074
Inadequate service	18032
Ignorance	*
No return	*
Others	*
Supplier of fertilizers	
Government	-
Private organizations	-
Traders	*
Others	-

Table 4.2.1 Number of Holders by Type of Farm practice

Zone 1

Farm Practice	Number of Holders Reporting
Crop rotation	*
Reasons for not participating in extension package	
Ignorance	604
Shortage of money	*
Suspicion on effficacy	*
Programs unavailable	18004
Insufficient arable land	-
Others	*
Use of services	
Credit	544
Advisory	*
Reasons for not using credit service	
Service unavailable	67782
Failure to pay the loan	*
Inadequate service	*
Ignorance	*
No return	-
Others	-
Reasons for not using advisory service	
Service unavailable	56676
Inadequate service	13842
Ignorance	*
No return	-
Others	*
Supplier of fertilizers	
Government	-
Private organizations	-
Traders	-
Others	-

Table 4.2.2 Number of Holders by Type of Farm practice

Zone 3

Farm Practice	Number of Holders Reporting
Crop rotation	*
Reasons for not participating in extension package	
Ignorance	*
Shortage of money	*
Suspicion on effficacy	-
Programs unavailable	*
Insufficient arable land	-
Others	-
Use of services	
Credit	*
Advisory	*
Reasons for not using credit service	
Service unavailable	42361
Failure to pay the loan	*
Inadequate service	*
Ignorance	*
No return	*
Others	-
Reasons for not using advisory service	
Service unavailable	35399
Inadequate service	4189
Ignorance	*
No return	*
Others	*
Supplier of fertilizers	
Government	-
Private organizations	-
Traders	*
Others	-

Table 4.3 Number of Holders by Type of Farm practice

Amhara Region

Farm Practice	Number of Holders Reporting
Crop rotation	4139403
Reasons for not participating in extension package	
Ignorance	484435
Shortage of money	676524
Suspicion on effficacy	354376
Programs unavailable	388211
Insufficient arable land	299429
Others	221389
Use of services	
Credit	1483985
Advisory	3792084
Reasons for not using credit service	
Service unavailable	152337
Failure to pay the loan	1591478
Inadequate service	246765
Ignorance	176023
No return	178933
Others	729887
Reasons for not using advisory service	
Service unavailable	105737
Inadequate service	237290
Ignorance	234227
No return	41220
Others	149225
Supplier of fertilizers	
Government	1282953
Private organizations	72668
Traders	175547
Others	1096695

Table 4.3.1 Number of Holders by Type of Farm practice

North Gonder

Farm Practice	Number of Holders Reporting
Crop rotation	670413
Reasons for not participating in extension package	
Ignorance	59329
Shortage of money	127675
Suspicion on effficacy	45983
Programs unavailable	72422
Insufficient arable land	36711
Others	10153
Use of services	
Credit	227780
Advisory	560916
Reasons for not using credit service	
Service unavailable	72554
Failure to pay the loan	231239
Inadequate service	67625
Ignorance	28847
No return	25892
Others	63140
Reasons for not using advisory service	
Service unavailable	36805
Inadequate service	44306
Ignorance	54529
No return	6556
Others	13963
Supplier of fertilizers	
Government	327962
Private organizations	*
Traders	31098
Others	15942

Table 4.3.2 Number of Holders by Type of Farm practice

South Gonder

Farm Practice	Number of Holders Reporting
Crop rotation	488180
Reasons for not participating in extension package	
Ignorance	43730
Shortage of money	169389
Suspicion on effficacy	20385
Programs unavailable	37827
Insufficient arable land	32295
Others	7478
Use of services	
Credit	168016
Advisory	436163
Reasons for not using credit service	
Service unavailable	38209
Failure to pay the loan	231884
Inadequate service	22733
Ignorance	15286
No return	15226
Others	52864
Reasons for not using advisory service	
Service unavailable	*
Inadequate service	46029
Ignorance	29992
No return	*
Others	8248
Supplier of fertilizers	
Government	249489
Private organizations	*
Traders	37266
Others	2247

Table 4.3.3 Number of Holders by Type of Farm practice

North Wolo

Farm Practice	Number of Holders Reporting
Crop rotation	346537
Reasons for not participating in extension package	
Ignorance	53049
Shortage of money	43366
Suspicion on effficacy	58403
Programs unavailable	115023
Insufficient arable land	33307
Others	26799
Use of services	
Credit	78534
Advisory	319831
Reasons for not using credit service	
Service unavailable	2268
Failure to pay the loan	175323
Inadequate service	32175
Ignorance	8566
No return	20488
Others	67395
Reasons for not using advisory service	
Service unavailable	4440
Inadequate service	29921
Ignorance	13375
No return	6770
Others	10788
Supplier of fertilizers	
Government	120860
Private organizations	*
Traders	6471
Others	24341

Table 4.3.4 Number of Holders by Type of Farm practice

South Wolo

Farm Practice	Number of Holders Reporting
Crop rotation	640250
Reasons for not participating in extension package	
Ignorance	162758
Shortage of money	93080
Suspicion on effficacy	145147
Programs unavailable	66176
Insufficient arable land	66610
Others	58460
Use of services	
Credit	164641
Advisory	619057
Reasons for not using credit service	
Service unavailable	*
Failure to pay the loan	210352
Inadequate service	41081
Ignorance	29520
No return	55038
Others	187533
Reasons for not using advisory service	
Service unavailable	7850
Inadequate service	5113
Ignorance	20052
No return	*
Others	36345
Supplier of fertilizers	
Government	347618
Private organizations	*
Traders	24158
Others	*

Table 4.3.5 Number of Holders by Type of Farm practice

North Shewa

Farm Practice	Number of Holders Reporting
Crop rotation	480348
Reasons for not participating in extension package	
Ignorance	52066
Shortage of money	77167
Suspicion on effficacy	35016
Programs unavailable	35473
Insufficient arable land	60851
Others	38221
Use of services	
Credit	144026
Advisory	423202
Reasons for not using credit service	
Service unavailable	*
Failure to pay the loan	218296
Inadequate service	8015
Ignorance	21659
No return	25092
Others	90135
Reasons for not using advisory service	
Service unavailable	7455
Inadequate service	32869
Ignorance	30015
No return	4856
Others	26607
Supplier of fertilizers	
Government	149599
Private organizations	56782
Traders	23863
Others	63109

Table 4.3.6 Number of Holders by Type of Farm practice

East Gojjam

Farm Practice	Number of Holders Reporting
Crop rotation	537926
Reasons for not participating in extension package	
Ignorance	47775
Shortage of money	66974
Suspicion on effficacy	*
Programs unavailable	*
Insufficient arable land	30553
Others	37894
Use of services	
Credit	266583
Advisory	474706
Reasons for not using credit service	
Service unavailable	*
Failure to pay the loan	180288
Inadequate service	*
Ignorance	27992
No return	18459
Others	73940
Reasons for not using advisory service	
Service unavailable	8796
Inadequate service	36575
Ignorance	45042
No return	*
Others	17477
Supplier of fertilizers	
Government	26723
Private organizations	*
Traders	21672
Others	343423

Table 4.3.7 Number of Holders by Type of Farm practice

West Gojjam

Farm Practice	Number of Holders Reporting
Crop rotation	537261
Reasons for not participating in extension package	
Ignorance	6752
Shortage of money	20025
Suspicion on effficacy	-
Programs unavailable	*
Insufficient arable land	4483
Others	17590
Use of services	
Credit	274314
Advisory	520932
Reasons for not using credit service	
Service unavailable	*
Failure to pay the loan	153372
Inadequate service	14369
Ignorance	26638
No return	8402
Others	107271
Reasons for not using advisory service	
Service unavailable	16182
Inadequate service	*
Ignorance	21958
No return	*
Others	15630
Supplier of fertilizers	
Government	35599
Private organizations	*
Traders	17426
Others	452231

Table 4.3.8 Number of Holders by Type of Farm practice

Waghamera

Farm Practice	Number of Holders Reporting
Crop rotation	104468
Reasons for not participating in extension package	
Ignorance	22617
Shortage of money	38655
Suspicion on effficacy	12478
Programs unavailable	13410
Insufficient arable land	6085
Others	6903
Use of services	
Credit	18514
Advisory	83073
Reasons for not using credit service	
Service unavailable	1576
Failure to pay the loan	49570
Inadequate service	19776
Ignorance	5379
No return	3303
Others	9777
Reasons for not using advisory service	
Service unavailable	3035
Inadequate service	11766
Ignorance	4472
No return	*
Others	4811
Supplier of fertilizers	
Government	3150
Private organizations	-
Traders	*
Others	-

Table 4.3.9 Number of Holders by Type of Farm practice

Awi

Farm Practice	Number of Holders Reporting
Crop rotation	257984
Reasons for not participating in extension package	
Ignorance	7493
Shortage of money	27436
Suspicion on effficacy	*
Programs unavailable	*
Insufficient arable land	11878
Others	9760
Use of services	
Credit	132548
Advisory	266735
Reasons for not using credit service	
Service unavailable	*
Failure to pay the loan	100876
Inadequate service	5156
Ignorance	6981
No return	1467
Others	47359
Reasons for not using advisory service	
Service unavailable	*
Inadequate service	*
Ignorance	10343
No return	*
Others	13588
Supplier of fertilizers	
Government	*
Private organizations	-
Traders	12535
Others	177434

Table 4.3.10 Number of Holders by Type of Farm practice

Oromia Zone

Farm Practice	Number of Holders Reporting
Crop rotation	70038
Reasons for not participating in extension package	
Ignorance	26389
Shortage of money	12264
Suspicion on effficacy	17515
Programs unavailable	14349
Insufficient arable land	15943
Others	7934
Use of services	
Credit	7834
Advisory	81187
Reasons for not using credit service	
Service unavailable	*
Failure to pay the loan	39153
Inadequate service	13505
Ignorance	4851
No return	5441
Others	30027
Reasons for not using advisory service	
Service unavailable	*
Inadequate service	*
Ignorance	4045
No return	*
Others	1600
Supplier of fertilizers	
Government	7435
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	5999
Reasons for not participating in extension package	
Ignorance	2478
Shortage of money	493
Suspicion on effficacy	883
Programs unavailable	3132
Insufficient arable land	713
Others	198
Use of services	
Credit	1193
Advisory	6281
Reasons for not using credit service	
Service unavailable	195
Failure to pay the loan	1126
Inadequate service	4772
Ignorance	304
No return	124
Others	446
Reasons for not using advisory service	
Service unavailable	273
Inadequate service	999
Ignorance	404
No return	*
Others	168
Supplier of fertilizers	
Government	352
Private organizations	-
Traders	-
Others	*

Table 4.4 Number of Holders by Type of Farm practice

Oromia Region

Farm Practice	Number of Holders Reporting
Crop rotation	4821645
Reasons for not participating in extension package	
Ignorance	428063
Shortage of money	1485324
Suspicion on effficacy	314253
Programs unavailable	289619
Insufficient arable land	693035
Others	512033
Use of services	
Credit	838975
Advisory	3930511
Reasons for not using credit service	
Service unavailable	732674
Failure to pay the loan	1456330
Inadequate service	1659334
Ignorance	244945
No return	189912
Others	733280
Reasons for not using advisory service	
Service unavailable	172518
Inadequate service	912351
Ignorance	419614
No return	102294
Others	317299
Supplier of fertilizers	
Government	1602805
Private organizations	203561
Traders	345029
Others	1594404

Table 4.4.1 Number of Holders by Type of Farm practice

West Welega

Farm Practice	Number of Holders Reporting
Crop rotation	271103
Reasons for not participating in extension package	
Ignorance	*
Shortage of money	98933
Suspicion on effficacy	17646
Programs unavailable	*
Insufficient arable land	24594
Others	12344
Use of services	
Credit	53164
Advisory	252471
Reasons for not using credit service	
Service unavailable	*
Failure to pay the loan	117777
Inadequate service	46581
Ignorance	6926
No return	16918
Others	42610
Reasons for not using advisory service	
Service unavailable	4579
Inadequate service	8257
Ignorance	13880
No return	9412
Others	13209
Supplier of fertilizers	
Government	39775
Private organizations	*
Traders	5146
Others	149657

Table 4.4.2 Number of Holders by Type of Farm practice

East Welega

Farm Practice	Number of Holders Reporting
Crop rotation	212288
Reasons for not participating in extension package	
Ignorance	4231
Shortage of money	93840
Suspicion on effficacy	15732
Programs unavailable	*
Insufficient arable land	23483
Others	7343
Use of services	
Credit	49000
Advisory	151156
Reasons for not using credit service	
Service unavailable	*
Failure to pay the loan	98402
Inadequate service	23417
Ignorance	10330
No return	13849
Others	34048
Reasons for not using advisory service	
Service unavailable	*
Inadequate service	20095
Ignorance	33556
No return	10631
Others	24070
Supplier of fertilizers	
Government	*
Private organizations	*
Traders	10452
Others	126811

Table 4.4.3 Number of Holders by Type of Farm practice

Illubabor

Farm Practice	Number of Holders Reporting
Crop rotation	246675
Reasons for not participating in extension package	
Ignorance	3905
Shortage of money	101499
Suspicion on effficacy	7878
Programs unavailable	3008
Insufficient arable land	33395
Others	11352
Use of services	
Credit	33122
Advisory	216666
Reasons for not using credit service	
Service unavailable	50447
Failure to pay the loan	81134
Inadequate service	80048
Ignorance	4845
No return	7150
Others	35748
Reasons for not using advisory service	
Service unavailable	2289
Inadequate service	36449
Ignorance	11112
No return	*
Others	20449
Supplier of fertilizers	
Government	137663
Private organizations	7548
Traders	4749
Others	3152

Table 4.4.4 Number of Holders by Type of Farm practice

Jimma

Farm Practice	Number of Holders Reporting
Crop rotation	539553
Reasons for not participating in extension package	
Ignorance	25274
Shortage of money	146893
Suspicion on effficacy	26480
Programs unavailable	34486
Insufficient arable land	76798
Others	45090
Use of services	
Credit	40038
Advisory	465097
Reasons for not using credit service	
Service unavailable	139545
Failure to pay the loan	152271
Inadequate service	158207
Ignorance	12861
No return	13272
Others	85656
Reasons for not using advisory service	
Service unavailable	6965
Inadequate service	94335
Ignorance	16144
No return	*
Others	15852
Supplier of fertilizers	
Government	407557
Private organizations	*
Traders	11605
Others	5057

Table 4.4.5 Number of Holders by Type of Farm practice

West Shewa

Farm Practice	Number of Holders Reporting
Crop rotation	460510
Reasons for not participating in extension package	
Ignorance	49265
Shortage of money	136822
Suspicion on effficacy	22089
Programs unavailable	33680
Insufficient arable land	66392
Others	62328
Use of services	
Credit	83601
Advisory	282567
Reasons for not using credit service	
Service unavailable	49776
Failure to pay the loan	166096
Inadequate service	74912
Ignorance	43208
No return	34006
Others	65023
Reasons for not using advisory service	
Service unavailable	29213
Inadequate service	90588
Ignorance	50016
No return	4910
Others	59328
Supplier of fertilizers	
Government	74456
Private organizations	32995
Traders	50804
Others	207036

Table 4.4.6 Number of Holders by Type of Farm practice

North Shewa

Farm Practice	Number of Holders Reporting
Crop rotation	312142
Reasons for not participating in extension package	
Ignorance	54447
Shortage of money	73087
Suspicion on effficacy	35483
Programs unavailable	*
Insufficient arable land	38155
Others	26261
Use of services	
Credit	80818
Advisory	236497
Reasons for not using credit service	
Service unavailable	8657
Failure to pay the loan	96236
Inadequate service	45790
Ignorance	34255
No return	19076
Others	56289
Reasons for not using advisory service	
Service unavailable	5670
Inadequate service	18040
Ignorance	48108
No return	*
Others	17914
Supplier of fertilizers	
Government	137190
Private organizations	*
Traders	8872
Others	58867

Table 4.4.7 Number of Holders by Type of Farm practice

East Shewa

Farm Practice	Number of Holders Reporting
Crop rotation	278487
Reasons for not participating in extension package	
Ignorance	35759
Shortage of money	64203
Suspicion on effficacy	12757
Programs unavailable	14389
Insufficient arable land	46659
Others	57370
Use of services	
Credit	45852
Advisory	202041
Reasons for not using credit service	
Service unavailable	62585
Failure to pay the loan	56460
Inadequate service	99652
Ignorance	12252
No return	*
Others	30793
Reasons for not using advisory service	
Service unavailable	9804
Inadequate service	72074
Ignorance	19143
No return	*
Others	15622
Supplier of fertilizers	
Government	46515
Private organizations	*
Traders	36069
Others	150727

Table 4.4.8 Number of Holders by Type of Farm practice

Arsi

Farm Practice	Number of Holders Reporting
Crop rotation	524588
Reasons for not participating in extension package	
Ignorance	34206
Shortage of money	123121
Suspicion on effficacy	32416
Programs unavailable	40752
Insufficient arable land	78698
Others	72774
Use of services	
Credit	97286
Advisory	383567
Reasons for not using credit service	
Service unavailable	75804
Failure to pay the loan	136876
Inadequate service	113248
Ignorance	28233
No return	13545
Others	97878
Reasons for not using advisory service	
Service unavailable	34493
Inadequate service	80048
Ignorance	27576
No return	*
Others	31757
Supplier of fertilizers	
Government	131235
Private organizations	4561
Traders	47969
Others	265929

Table 4.4.9 Number of Holders by Type of Farm practice

West Harerge

Farm Practice	Number of Holders Reporting
Crop rotation	211020
Reasons for not participating in extension package	
Ignorance	21860
Shortage of money	82272
Suspicion on effficacy	43104
Programs unavailable	*
Insufficient arable land	35042
Others	32523
Use of services	
Credit	24941
Advisory	179442
Reasons for not using credit service	
Service unavailable	22677
Failure to pay the loan	26669
Inadequate service	231525
Ignorance	3755
No return	6041
Others	22139
Reasons for not using advisory service	
Service unavailable	3988
Inadequate service	102353
Ignorance	27114
No return	7800
Others	16185
Supplier of fertilizers	
Government	175603
Private organizations	6002
Traders	5184
Others	9008

Table 4.4.10 Number of Holders by Type of Farm practice

East Harerge

Farm Practice	Number of Holders Reporting
Crop rotation	283131
Reasons for not participating in extension package	
Ignorance	36763
Shortage of money	100830
Suspicion on effficacy	20905
Programs unavailable	*
Insufficient arable land	31791
Others	49071
Use of services	
Credit	60658
Advisory	419553
Reasons for not using credit service	
Service unavailable	49812
Failure to pay the loan	36739
Inadequate service	307442
Ignorance	10786
No return	*
Others	40782
Reasons for not using advisory service	
Service unavailable	*
Inadequate service	32981
Ignorance	28386
No return	*
Others	16062
Supplier of fertilizers	
Government	230258
Private organizations	90247
Traders	27379
Others	*

Table 4.4.11 Number of Holders by Type of Farm practice

Bale

Farm Practice	Number of Holders Reporting
Crop rotation	291977
Reasons for not participating in extension package	
Ignorance	17772
Shortage of money	43378
Suspicion on effficacy	7976
Programs unavailable	35798
Insufficient arable land	30709
Others	21043
Use of services	
Credit	28450
Advisory	238055
Reasons for not using credit service	
Service unavailable	24899
Failure to pay the loan	78441
Inadequate service	118793
Ignorance	12934
No return	4223
Others	67687
Reasons for not using advisory service	
Service unavailable	*
Inadequate service	55001
Ignorance	15831
No return	*
Others	8978
Supplier of fertilizers	
Government	47465
Private organizations	1490
Traders	*
Others	121591

Table 4.4.12 Number of Holders by Type of Farm practice

Borena

Farm Practice	Number of Holders Reporting
Crop rotation	49542
Reasons for not participating in extension package	
Ignorance	18049
Shortage of money	24161
Suspicion on effficacy	13462
Programs unavailable	14953
Insufficient arable land	18882
Others	18455
Use of services	
Credit	9254
Advisory	66409
Reasons for not using credit service	
Service unavailable	22029
Failure to pay the loan	28301
Inadequate service	67683
Ignorance	7392
No return	2427
Others	7556
Reasons for not using advisory service	
Service unavailable	8038
Inadequate service	55253
Ignorance	9811
No return	*
Others	4768
Supplier of fertilizers	
Government	3445
Private organizations	*
Traders	*
Others	-

Table 4.4.13 Number of Holders by Type of Farm practice

South West Shewa

Farm Practice	Number of Holders Reporting
Crop rotation	297419
Reasons for not participating in extension package	
Ignorance	33588
Shortage of money	93162
Suspicion on effficacy	11065
Programs unavailable	14404
Insufficient arable land	58192
Others	46282
Use of services	
Credit	95571
Advisory	199361
Reasons for not using credit service	
Service unavailable	14179
Failure to pay the loan	124044
Inadequate service	26951
Ignorance	17394
No return	14942
Others	35097
Reasons for not using advisory service	
Service unavailable	9262
Inadequate service	46003
Ignorance	36901
No return	4302
Others	32347
Supplier of fertilizers	
Government	66464
Private organizations	12570
Traders	30778
Others	157593

Table 4.4.14 Number of Holders by Type of Farm practice

Guji

Farm Practice	Number of Holders Reporting
Crop rotation	150966
Reasons for not participating in extension package	
Ignorance	37056
Shortage of money	69291
Suspicion on effficacy	30988
Programs unavailable	37962
Insufficient arable land	39393
Others	*
Use of services	
Credit	15636
Advisory	59983
Reasons for not using credit service	
Service unavailable	47361
Failure to pay the loan	40055
Inadequate service	107374
Ignorance	16626
No return	3713
Others	9617
Reasons for not using advisory service	
Service unavailable	26072
Inadequate service	91046
Ignorance	37562
No return	17615
Others	*
Supplier of fertilizers	
Government	23411
Private organizations	*
Traders	*
Others	*

Table 4.4.15 Number of Holders by Type of Farm practice

Kelem

Farm Practice	Number of Holders Reporting
Crop rotation	175045
Reasons for not participating in extension package	
Ignorance	1232
Shortage of money	87435
Suspicion on effficacy	7514
Programs unavailable	2155
Insufficient arable land	16843
Others	13164
Use of services	
Credit	38144
Advisory	142501
Reasons for not using credit service	
Service unavailable	14836
Failure to pay the loan	79505
Inadequate service	14554
Ignorance	3266
No return	9521
Others	28626
Reasons for not using advisory service	
Service unavailable	1431
Inadequate service	9153
Ignorance	12805
No return	5144
Others	17419
Supplier of fertilizers	
Government	8004
Private organizations	8324
Traders	2338
Others	71825

Table 4.4.16 Number of Holders by Type of Farm practice

Horoguduru

Farm Practice	Number of Holders Reporting
Crop rotation	115480
Reasons for not participating in extension package	
Ignorance	846
Shortage of money	34094
Suspicion on effficacy	3224
Programs unavailable	*
Insufficient arable land	11770
Others	*
Use of services	
Credit	41005
Advisory	101007
Reasons for not using credit service	
Service unavailable	5035
Failure to pay the loan	43480
Inadequate service	10809
Ignorance	3688
No return	3460
Others	21580
Reasons for not using advisory service	
Service unavailable	1723
Inadequate service	5577
Ignorance	10590
No return	*
Others	9573
Supplier of fertilizers	
Government	2331
Private organizations	*
Traders	3066
Others	82405

Table 4.4.17 Number of Holders by Type of Farm practice

West Arsi

Farm Practice	Number of Holders Reporting
Crop rotation	401720
Reasons for not participating in extension package	
Ignorance	*
Shortage of money	112301
Suspicion on effficacy	5533
Programs unavailable	28812
Insufficient arable land	62239
Others	21731
Use of services	
Credit	42437
Advisory	334136
Reasons for not using credit service	
Service unavailable	115308
Failure to pay the loan	93844
Inadequate service	132349
Ignorance	16194
No return	10801
Others	52149
Reasons for not using advisory service	
Service unavailable	*
Inadequate service	95098
Ignorance	21079
No return	*
Others	5663
Supplier of fertilizers	
Government	70147
Private organizations	*
Traders	88657
Others	173295

Table 4.5 Number of Holders by Type of Farm practice

Somalie Region

Farm Practice	Number of Holders Reporting
Crop rotation	24855
Reasons for not participating in extension package	
Ignorance	*
Shortage of money	*
Suspicion on effficacy	*
Programs unavailable	93626
Insufficient arable land	864
Others	10791
Use of services	
Credit	3872
Advisory	6335
Reasons for not using credit service	
Service unavailable	124947
Failure to pay the loan	*
Inadequate service	16019
Ignorance	*
No return	*
Others	*
Reasons for not using advisory service	
Service unavailable	106717
Inadequate service	33546
Ignorance	*
No return	*
Others	*
Supplier of fertilizers	
Government	*
Private organizations	-
Traders	-
Others	*

Table 4.5.1 Number of Holders by Type of Farm practice

Shinele

Farm Practice	Number of Holders Reporting
Crop rotation	422
Reasons for not participating in extension package	
Ignorance	*
Shortage of money	-
Suspicion on effficacy	*
Programs unavailable	4012
Insufficient arable land	*
Others	*
Use of services	
Credit	*
Advisory	614
Reasons for not using credit service	
Service unavailable	11561
Failure to pay the loan	-
Inadequate service	*
Ignorance	-
No return	-
Others	*
Reasons for not using advisory service	
Service unavailable	8440
Inadequate service	3056
Ignorance	-
No return	-
Others	*
Supplier of fertilizers	
Government	*
Private organizations	-
Traders	-
Others	*

Table 4.5.2 Number of Holders by Type of Farm practice

Jijiga

Farm Practice	Number of Holders Reporting
Crop rotation	18463
Reasons for not participating in extension package	
Ignorance	*
Shortage of money	*
Suspicion on effficacy	-
Programs unavailable	65300
Insufficient arable land	*
Others	*
Use of services	
Credit	2750
Advisory	*
Reasons for not using credit service	
Service unavailable	73059
Failure to pay the loan	*
Inadequate service	*
Ignorance	-
No return	*
Others	-
Reasons for not using advisory service	
Service unavailable	68188
Inadequate service	12777
Ignorance	*
No return	-
Others	*
Supplier of fertilizers	
Government	*
Private organizations	-
Traders	-
Others	-

Table 4.5.3 Number of Holders by Type of Farm practice

Liben

Farm Practice	Number of Holders Reporting
Crop rotation	5970
Reasons for not participating in extension package	
Ignorance	*
Shortage of money	*
Suspicion on effficacy	-
Programs unavailable	24314
Insufficient arable land	*
Others	*
Use of services	
Credit	*
Advisory	5120
Reasons for not using credit service	
Service unavailable	40326
Failure to pay the loan	927
Inadequate service	11853
Ignorance	*
No return	-
Others	*
Reasons for not using advisory service	
Service unavailable	30088
Inadequate service	17713
Ignorance	*
No return	*
Others	-
Supplier of fertilizers	
Government	-
Private organizations	-
Traders	-
Others	-

Table 4.6 Number of Holders by Type of Farm practice

Benishangul – Gumuz Region

Farm Practice	Number of Holders Reporting
Crop rotation	203234
Reasons for not participating in extension package	
Ignorance	30888
Shortage of money	122493
Suspicion on effficacy	11451
Programs unavailable	18358
Insufficient arable land	16501
Others	15981
Use of services	
Credit	27413
Advisory	182442
Reasons for not using credit service	
Service unavailable	25442
Failure to pay the loan	114982
Inadequate service	44529
Ignorance	14272
No return	6955
Others	31857
Reasons for not using advisory service	
Service unavailable	6206
Inadequate service	37298
Ignorance	24148
No return	*
Others	11349
Supplier of fertilizers	
Government	26313
Private organizations	3033
Traders	12898
Others	5570

Table 4.6.1 Number of Holders by Type of Farm practice

Metekel

Farm Practice	Number of Holders Reporting
Crop rotation	110387
Reasons for not participating in extension package	
Ignorance	20045
Shortage of money	39633
Suspicion on effficacy	5483
Programs unavailable	*
Insufficient arable land	8569
Others	*
Use of services	
Credit	16216
Advisory	84342
Reasons for not using credit service	
Service unavailable	*
Failure to pay the loan	53674
Inadequate service	13550
Ignorance	9448
No return	3693
Others	19662
Reasons for not using advisory service	
Service unavailable	3781
Inadequate service	15568
Ignorance	15454
No return	*
Others	3781
Supplier of fertilizers	
Government	15693
Private organizations	2257
Traders	7396
Others	5047

Table 4.6.2 Number of Holders by Type of Farm practice

Asosa

Farm Practice	Number of Holders Reporting
Crop rotation	59432
Reasons for not participating in extension package	
Ignorance	9009
Shortage of money	59598
Suspicion on effficacy	2516
Programs unavailable	8780
Insufficient arable land	4912
Others	6098
Use of services	
Credit	8204
Advisory	71825
Reasons for not using credit service	
Service unavailable	*
Failure to pay the loan	46384
Inadequate service	20704
Ignorance	4253
No return	3074
Others	10316
Reasons for not using advisory service	
Service unavailable	2108
Inadequate service	16178
Ignorance	5381
No return	*
Others	4150
Supplier of fertilizers	
Government	8875
Private organizations	*
Traders	*
Others	-

Table 4.6.3 Number of Holders by Type of Farm practice

Kemashi

Farm Practice	Number of Holders Reporting
Crop rotation	19269
Reasons for not participating in extension package	
Ignorance	*
Shortage of money	13321
Suspicion on effficacy	2912
Programs unavailable	*
Insufficient arable land	1857
Others	2165
Use of services	
Credit	2522
Advisory	13638
Reasons for not using credit service	
Service unavailable	6032
Failure to pay the loan	6796
Inadequate service	5797
Ignorance	*
No return	*
Others	703
Reasons for not using advisory service	
Service unavailable	*
Inadequate service	3060
Ignorance	*
No return	*
Others	*
Supplier of fertilizers	
Government	853
Private organizations	*
Traders	*
Others	*

Table 4.6.4 Number of Holders by Type of Farm practic

Mao Komo

Farm Practice	Number of Holders Reporting
Crop rotation	14145
Reasons for not participating in extension package	
Ignorance	*
Shortage of money	9941
Suspicion on effficacy	540
Programs unavailable	1200
Insufficient arable land	1162
Others	1154
Use of services	
Credit	471
Advisory	12637
Reasons for not using credit service	
Service unavailable	2064
Failure to pay the loan	8129
Inadequate service	4479
Ignorance	*
No return	*
Others	1177
Reasons for not using advisory service	
Service unavailable	-
Inadequate service	2491
Ignorance	*
No return	-
Others	*
Supplier of fertilizers	
Government	892
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	2387443
Reasons for not participating in extension package	
Ignorance	318734
Shortage of money	1237136
Suspicion on effficacy	285527
Programs unavailable	113483
Insufficient arable land	707827
Others	282738
Use of services	
Credit	356122
Advisory	2220096
Reasons for not using credit service	
Service unavailable	325297
Failure to pay the loan	1501533
Inadequate service	970721
Ignorance	242896
No return	116519
Others	220962
Reasons for not using advisory service	
Service unavailable	63127
Inadequate service	897178
Ignorance	373586
No return	65764
Others	113910
Supplier of fertilizers	
Government	1009741
Private organizations	64857
Traders	465016
Others	20509

Table 4.7.1 Number of Holders by Type of Farm practice

Gurage

Farm Practice	Number of Holders Reporting
Crop rotation	244736
Reasons for not participating in extension package	
Ignorance	33474
Shortage of money	89516
Suspicion on effficacy	9472
Programs unavailable	*
Insufficient arable land	51688
Others	15775
Use of services	
Credit	64741
Advisory	205157
Reasons for not using credit service	
Service unavailable	31098
Failure to pay the loan	136650
Inadequate service	29683
Ignorance	19790
No return	7755
Others	20863
Reasons for not using advisory service	
Service unavailable	*
Inadequate service	39215
Ignorance	37288
No return	2010
Others	18892
Supplier of fertilizers	
Government	154646
Private organizations	1961
Traders	35723
Others	3577

Table 4.7.2 Number of Holders by Type of Farm practice

Hadiya

Farm Practice	Number of Holders Reporting
Crop rotation	282463
Reasons for not participating in extension package	
Ignorance	29916
Shortage of money	118879
Suspicion on effficacy	18098
Programs unavailable	7199
Insufficient arable land	48108
Others	8562
Use of services	
Credit	27515
Advisory	164771
Reasons for not using credit service	
Service unavailable	24433
Failure to pay the loan	121666
Inadequate service	68304
Ignorance	15489
No return	18726
Others	19718
Reasons for not using advisory service	
Service unavailable	9683
Inadequate service	57217
Ignorance	51436
No return	3735
Others	*
Supplier of fertilizers	
Government	140206
Private organizations	*
Traders	87245
Others	7904

Table 4.7.3 Number of Holders by Type of Farm practice

Kembata – Tembaro

Farm Practice	Number of Holders Reporting
Crop rotation	134337
Reasons for not participating in extension package	
Ignorance	12137
Shortage of money	69783
Suspicion on effficacy	6233
Programs unavailable	5958
Insufficient arable land	21323
Others	9465
Use of services	
Credit	18817
Advisory	97513
Reasons for not using credit service	
Service unavailable	13440
Failure to pay the loan	50433
Inadequate service	45650
Ignorance	5334
No return	*
Others	3347
Reasons for not using advisory service	
Service unavailable	*
Inadequate service	21204
Ignorance	13994
No return	*
Others	3731
Supplier of fertilizers	
Government	61177
Private organizations	*
Traders	45064
Others	*

Table 4.7.4 Number of Holders by Type of Farm practice

Sidama

Farm Practice	Number of Holders Reporting
Crop rotation	271409
Reasons for not participating in extension package	
Ignorance	119186
Shortage of money	284682
Suspicion on effficacy	37812
Programs unavailable	57766
Insufficient arable land	254445
Others	135852
Use of services	
Credit	32615
Advisory	318550
Reasons for not using credit service	
Service unavailable	141369
Failure to pay the loan	306747
Inadequate service	353897
Ignorance	64056
No return	17794
Others	55318
Reasons for not using advisory service	
Service unavailable	7606
Inadequate service	512436
Ignorance	78102
No return	22751
Others	32350
Supplier of fertilizers	
Government	106390
Private organizations	33271
Traders	175593
Others	*

Table 4.7.5 Number of Holders by Type of Farm practice

Gedio

Farm Practice	Number of Holders Reporting
Crop rotation	67297
Reasons for not participating in extension package	
Ignorance	10679
Shortage of money	33318
Suspicion on effficacy	7079
Programs unavailable	*
Insufficient arable land	98205
Others	20573
Use of services	
Credit	5209
Advisory	71553
Reasons for not using credit service	
Service unavailable	*
Failure to pay the loan	47838
Inadequate service	98954
Ignorance	6100
No return	*
Others	14530
Reasons for not using advisory service	
Service unavailable	*
Inadequate service	82092
Ignorance	12537
No return	*
Others	*
Supplier of fertilizers	
Government	8916
Private organizations	*
Traders	3034
Others	*

Table 4.7.6 Number of Holders by Type of Farm practice

Wolayita

Farm Practice	Number of Holders Reporting
Crop rotation	295676
Reasons for not participating in extension package	
Ignorance	11409
Shortage of money	106959
Suspicion on effficacy	7605
Programs unavailable	2821
Insufficient arable land	68385
Others	4665
Use of services	
Credit	40528
Advisory	269856
Reasons for not using credit service	
Service unavailable	*
Failure to pay the loan	222705
Inadequate service	51915
Ignorance	6670
No return	4324
Others	22745
Reasons for not using advisory service	
Service unavailable	4335
Inadequate service	37124
Ignorance	28826
No return	*
Others	9580
Supplier of fertilizers	
Government	156198
Private organizations	3864
Traders	77388
Others	-

Table 4.7.7 Number of Holders by Type of Farm practice

South Omo

Farm Practice	Number of Holders Reporting
Crop rotation	64018
Reasons for not participating in extension package	
Ignorance	25882
Shortage of money	37940
Suspicion on effficacy	27196
Programs unavailable	*
Insufficient arable land	7078
Others	*
Use of services	
Credit	8795
Advisory	92103
Reasons for not using credit service	
Service unavailable	18811
Failure to pay the loan	48199
Inadequate service	22906
Ignorance	22860
No return	6038
Others	9447
Reasons for not using advisory service	
Service unavailable	1776
Inadequate service	18586
Ignorance	19286
No return	*
Others	*
Supplier of fertilizers	
Government	15919
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	28208
Reasons for not participating in extension package	
Ignorance	2929
Shortage of money	11993
Suspicion on effficacy	7765
Programs unavailable	*
Insufficient arable land	13054
Others	11570
Use of services	
Credit	4835
Advisory	44829
Reasons for not using credit service	
Service unavailable	*
Failure to pay the loan	20144
Inadequate service	19398
Ignorance	3051
No return	1252
Others	8499
Reasons for not using advisory service	
Service unavailable	658
Inadequate service	4614
Ignorance	3559
No return	1513
Others	2138
Supplier of fertilizers	
Government	8474
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	172500
Reasons for not participating in extension package	
Ignorance	11076
Shortage of money	70640
Suspicion on effficacy	47214
Programs unavailable	*
Insufficient arable land	31845
Others	14774
Use of services	
Credit	28690
Advisory	147485
Reasons for not using credit service	
Service unavailable	*
Failure to pay the loan	92094
Inadequate service	30442
Ignorance	27090
No return	20545
Others	19981
Reasons for not using advisory service	
Service unavailable	1044
Inadequate service	24106
Ignorance	33799
No return	5846
Others	7665
Supplier of fertilizers	
Government	41619
Private organizations	-
Traders	*
Others	2434

Table 4.7.10 Number of Holders by Type of Farm practice

Gamo Gofa

Farm Practice	Number of Holders Reporting
Crop rotation	326369
Reasons for not participating in extension package	
Ignorance	17336
Shortage of money	183487
Suspicion on effficacy	74631
Programs unavailable	*
Insufficient arable land	30463
Others	28868
Use of services	
Credit	42923
Advisory	344785
Reasons for not using credit service	
Service unavailable	28910
Failure to pay the loan	190092
Inadequate service	101092
Ignorance	35431
No return	13198
Others	16092
Reasons for not using advisory service	
Service unavailable	6676
Inadequate service	36077
Ignorance	25172
No return	6065
Others	*
Supplier of fertilizers	
Government	81631
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	59501
Reasons for not participating in extension package	
Ignorance	8471
Shortage of money	55205
Suspicion on effficacy	11697
Programs unavailable	*
Insufficient arable land	19293
Others	9657
Use of services	
Credit	7171
Advisory	72918
Reasons for not using credit service	
Service unavailable	9528
Failure to pay the loan	57746
Inadequate service	28347
Ignorance	6679
No return	6006
Others	5460
Reasons for not using advisory service	
Service unavailable	*
Inadequate service	22317
Ignorance	20914
No return	*
Others	967
Supplier of fertilizers	
Government	10644
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	21595
Reasons for not participating in extension package	
Ignorance	*
Shortage of money	8437
Suspicion on effficacy	344
Programs unavailable	*
Insufficient arable land	3538
Others	1961
Use of services	
Credit	5057
Advisory	21185
Reasons for not using credit service	
Service unavailable	*
Failure to pay the loan	13358
Inadequate service	1341
Ignorance	331
No return	719
Others	2441
Reasons for not using advisory service	
Service unavailable	477
Inadequate service	*
Ignorance	329
No return	-
Others	1209
Supplier of fertilizers	
Government	15902
Private organizations	*
Traders	637
Others	*

Table 4.7.13 Number of Holders by Type of Farm practice

Segen Peoples

Farm Practice	Number of Holders Reporting
Crop rotation	68355
Reasons for not participating in extension package	
Ignorance	9534
Shortage of money	48552
Suspicion on effficacy	14035
Programs unavailable	*
Insufficient arable land	11120
Others	11194
Use of services	
Credit	10188
Advisory	76824
Reasons for not using credit service	
Service unavailable	9626
Failure to pay the loan	44003
Inadequate service	35857
Ignorance	6781
No return	*
Others	3293
Reasons for not using advisory service	
Service unavailable	*
Inadequate service	16505
Ignorance	10502
No return	*
Others	1535
Supplier of fertilizers	
Government	14918
Private organizations	*
Traders	*
Others	*

Table 4.7.14 Number of Holders by Type of Farm practice

Dawro

Farm Practice	Number of Holders Reporting
Crop rotation	73783
Reasons for not participating in extension package	
Ignorance	5568
Shortage of money	41237
Suspicion on effficacy	4924
Programs unavailable	*
Insufficient arable land	16705
Others	1523
Use of services	
Credit	8251
Advisory	70881
Reasons for not using credit service	
Service unavailable	*
Failure to pay the loan	50775
Inadequate service	14885
Ignorance	6411
No return	1924
Others	3322
Reasons for not using advisory service	
Service unavailable	833
Inadequate service	*
Ignorance	9686
No return	*
Others	*
Supplier of fertilizers	
Government	12341
Private organizations	*
Traders	*
Others	*

Table 4.7.15 Number of Holders by Type of Farm practice

Basketo Special Wereda

Farm Practice	Number of Holders Reporting
Crop rotation	16194
Reasons for not participating in extension package	
Ignorance	1048
Shortage of money	6637
Suspicion on effficacy	2468
Programs unavailable	*
Insufficient arable land	3450
Others	409
Use of services	
Credit	2441
Advisory	15188
Reasons for not using credit service	
Service unavailable	2525
Failure to pay the loan	9279
Inadequate service	1290
Ignorance	2406
No return	477
Others	409
Reasons for not using advisory service	
Service unavailable	*
Inadequate service	979
Ignorance	1948
No return	177
Others	435
Supplier of fertilizers	
Government	4800
Private organizations	-
Traders	*
Others	*

Table 4.7.16 Number of Holders by Type of Farm practice

Konta Special Wereda

Farm Practice	Number of Holders Reporting
Crop rotation	27413
Reasons for not participating in extension package	
Ignorance	1551
Shortage of money	10179
Suspicion on effficacy	2841
Programs unavailable	*
Insufficient arable land	7052
Others	*
Use of services	
Credit	3249
Advisory	21501
Reasons for not using credit service	
Service unavailable	*
Failure to pay the loan	19918
Inadequate service	2450
Ignorance	2634
No return	874
Others	1103
Reasons for not using advisory service	
Service unavailable	*
Inadequate service	*
Ignorance	3327
No return	2821
Others	1737
Supplier of fertilizers	
Government	7069
Private organizations	*
Traders	*
Others	-

Table 4.7.17 Number of Holders by Type of Farm practice

Silitie

Farm Practice	Number of Holders Reporting
Crop rotation	181633
Reasons for not participating in extension package	
Ignorance	11944
Shortage of money	38449
Suspicion on effficacy	4187
Programs unavailable	2909
Insufficient arable land	19254
Others	*
Use of services	
Credit	40787
Advisory	148334
Reasons for not using credit service	
Service unavailable	14847
Failure to pay the loan	59380
Inadequate service	46652
Ignorance	10316
No return	5898
Others	12235
Reasons for not using advisory service	
Service unavailable	6546
Inadequate service	14905
Ignorance	16201
No return	*
Others	3528
Supplier of fertilizers	
Government	146036
Private organizations	6106
Traders	20926
Others	2069

Table 4.7.18 Number of Holders by Type of Farm practice

Alaba Special Wereda

Farm Practice	Number of Holders Reporting
Crop rotation	51957
Reasons for not participating in extension package	
Ignorance	6545
Shortage of money	21243
Suspicion on effficacy	*
Programs unavailable	*
Insufficient arable land	*
Others	-
Use of services	
Credit	*
Advisory	36662
Reasons for not using credit service	
Service unavailable	16333
Failure to pay the loan	10506
Inadequate service	17656
Ignorance	*
No return	*
Others	2160
Reasons for not using advisory service	
Service unavailable	*
Inadequate service	4529
Ignorance	6681
No return	*
Others	*
Supplier of fertilizers	
Government	22857
Private organizations	*
Traders	17077
Others	*

Table 4.8 Number of Holders by Type of Farm practice

Gambella Region

Farm Practice	Number of Holders Reporting
Crop rotation	10178
Reasons for not participating in extension package	
Ignorance	8249
Shortage of money	1073
Suspicion on effficacy	1709
Programs unavailable	34928
Insufficient arable land	1579
Others	6045
Use of services	
Credit	1206
Advisory	9208
Reasons for not using credit service	
Service unavailable	41032
Failure to pay the loan	1230
Inadequate service	7268
Ignorance	3658
No return	447
Others	*
Reasons for not using advisory service	
Service unavailable	23697
Inadequate service	16192
Ignorance	5517
No return	*
Others	389
Supplier of fertilizers	
Government	-
Private organizations	-
Traders	-
Others	-

Table 4.8.1 Number of Holders by Type of Farm practice

Agnuake

Farm Practice	Number of Holders Reporting
Crop rotation	*
Reasons for not participating in extension package	
Ignorance	*
Shortage of money	*
Suspicion on effficacy	*
Programs unavailable	15462
Insufficient arable land	*
Others	*
Use of services	
Credit	634
Advisory	2586
Reasons for not using credit service	
Service unavailable	17589
Failure to pay the loan	*
Inadequate service	*
Ignorance	590
No return	-
Others	*
Reasons for not using advisory service	
Service unavailable	10194
Inadequate service	3817
Ignorance	*
No return	*
Others	-
Supplier of fertilizers	
Government	-
Private organizations	-
Traders	-
Others	-

Table 4.8.2 Number of Holders by Type of Farm practice

Nuware

Farm Practice	Number of Holders Reporting
Crop rotation	*
Reasons for not participating in extension package	
Ignorance	4557
Shortage of money	*
Suspicion on effficacy	*
Programs unavailable	8422
Insufficient arable land	-
Others	-
Use of services	
Credit	101
Advisory	*
Reasons for not using credit service	
Service unavailable	11923
Failure to pay the loan	*
Inadequate service	-
Ignorance	*
No return	-
Others	-
Reasons for not using advisory service	
Service unavailable	6417
Inadequate service	4523
Ignorance	2951
No return	-
Others	*
Supplier of fertilizers	
Government	-
Private organizations	-
Traders	-
Others	-

Table 4.8.3 Number of Holders by Type of Farm practice

Mezenger

Farm Practice	Number of Holders Reporting
Crop rotation	7396
Reasons for not participating in extension package	
Ignorance	1463
Shortage of money	*
Suspicion on effficacy	967
Programs unavailable	6421
Insufficient arable land	1561
Others	5579
Use of services	
Credit	436
Advisory	6418
Reasons for not using credit service	
Service unavailable	7835
Failure to pay the loan	872
Inadequate service	5592
Ignorance	1350
No return	447
Others	*
Reasons for not using advisory service	
Service unavailable	3384
Inadequate service	6360
Ignorance	247
No return	-
Others	362
Supplier of fertilizers	
Government	-
Private organizations	-
Traders	-
Others	-

Table 4.7.21 Number of Holders by Type of Farm practice

Itang Special

Farm Practice	Number of Holders Reporting
Crop rotation	*
Reasons for not participating in extension package	
Ignorance	*
Shortage of money	*
Suspicion on effficacy	-
Programs unavailable	4623
Insufficient arable land	-
Others	*
Use of services	
Credit	*
Advisory	*
Reasons for not using credit service	
Service unavailable	3686
Failure to pay the loan	-
Inadequate service	*
Ignorance	-
No return	-
Others	-
Reasons for not using advisory service	
Service unavailable	3702
Inadequate service	1492
Ignorance	-
No return	*
Others	*
Supplier of fertilizers	
Government	-
Private organizations	-
Traders	-
Others	-

Table 4.9 Number of Holders by Type of Farm practice

Harari Region

Farm Practice	Number of Holders Reporting
Crop rotation	5192
Reasons for not participating in extension package	
Ignorance	661
Shortage of money	4883
Suspicion on effficacy	922
Programs unavailable	*
Insufficient arable land	2070
Others	4039
Use of services	
Credit	3024
Advisory	14431
Reasons for not using credit service	
Service unavailable	*
Failure to pay the loan	2814
Inadequate service	15853
Ignorance	*
No return	-
Others	2054
Reasons for not using advisory service	
Service unavailable	1403
Inadequate service	8319
Ignorance	790
No return	*
Others	583
Supplier of fertilizers	
Government	2807
Private organizations	*
Traders	10883
Others	*

Table 4.10 Number of Holders by Type of Farm practice

Dire Dawa

Farm Practice	Number of Holders Reporting
Crop rotation	2275
Reasons for not participating in extension package	
Ignorance	2816
Shortage of money	1165
Suspicion on effficacy	1419
Programs unavailable	9666
Insufficient arable land	1140
Others	6587
Use of services	
Credit	1310
Advisory	8079
Reasons for not using credit service	
Service unavailable	2103
Failure to pay the loan	1391
Inadequate service	19437
Ignorance	*
No return	*
Others	938
Reasons for not using advisory service	
Service unavailable	2243
Inadequate service	15327
Ignorance	*
No return	*
Others	*
Supplier of fertilizers	
Government	*
Private organizations	*
Traders	*
Others	*

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

Geographic area		Source of Water					
		River	Lake	Pond	Water Harvest	Others	Total
Ethiopia	Holders	864501	36009	82564	81504	145828	1163072
	Hectare	120744	5705	7984	*	8289	151642
Tigray Region	Holders	75080	7872	14956	37980	14910	139579
	Hectare	8759	723	731	1528	*	12820
North West Tigray	Holders	8247	*	*	1870	*	12532
	Hectare	849	*	*	*	*	1022
Central Tigray	Holders	11695	2614	6421	14865	*	36513
	Hectare	653	*	*	127	*	1213
East Tigray	Holders	9765	992	3288	10406	*	26671
	Hectare	*	*	*	*	*	1276
South Tigray	Holders	40969	3076	*	9490	6860	55455
	Hectare	6117	561	*	766	*	8514
Western Tigray	Holders	4404	*	*	1349	*	8409
	Hectare	*	*	37	*	*	795
Afar Region	Holders	17552	*	-	-	-	17552
	Hectare	4376	*	-	-	-	4377
Zone 1	Holders	16207	*	-	-	-	16207
	Hectare	3928	*	-	-	-	3928
Zone 3	Holders	*	-	-	-	-	*
	Hectare	*	-	-	-	-	*
Amhara Region	Holders	387857	9363	15009	14628	103176	509557
	Hectare	29167	1269	395	612	2798	34241
North Gonder	Holders	36297	*	*	*	-	38974
	Hectare	*	*	*	*	-	3573
South Gonder	Holders	37882	*	*	*	5110	46774
	Hectare	510	*	*	*	36	831
North Wollo	Holders	52257	*	*	*	8802	62884
	Hectare	3120	*	*	*	*	3273
South Wollo	Holders	39756	*	*	*	8943	49507
	Hectare	1473	*	*	*	*	1827
North Shewa	Holders	56452	*	*	4814	21538	78748
	Hectare	*	*	*	219	764	*
East Gojjam	Holders	58998	*	*	4661	6286	72640
	Hectare	3473	*	*	*	174	3979
West Gojjam	Holders	49980	*	*	*	45611	95903
	Hectare	*	*	*	*	1119	3894
Waghamera	Holders	4118	-	*	-	*	4473
	Hectare	*	-	*	-	*	505
Awi	Holders	38928	*	-	-	5386	44939
	Hectare	2709	*	-	-	34	2880
Oromia Zone	Holders	12881	-	*	*	1209	14339
	Hectare	2524	-	*	*	*	2792
Argoba Special	Holder	308	-	86	*	-	376
	Hectare	134	-	*	*	-	136
Oromia Region	Holders	275259	12718	47619	*	21626	371793
	Hectare	47581	2858	6537	*	3834	67244
West Welega	Holders	3522	-	-	-	-	3522
	Hectare	258	-	-	-	-	258
East Welega	Holders	*	-	*	-	*	*
	Hectare	*	-	*	-	*	*
Illubabor	Holders	*	-	*	*	-	*
	Hectare	*	-	*	*	-	*
Jimma	Holders	*	*	*	-	*	12172
	Hectare	*	*	*	-	*	811
West Shewa	Holders	33322	*	*	*	*	36277
	Hectare	6157	*	*	*	*	6264
North Shewa	Holders	*	*	2828	*	3985	17213
	Hectare	*	*	*	*	*	932

Table 5 (cont'd)

Geographic area		Source of Water					
		River	Lake	Pond	Water Harvest	Others	Total
East Shewa	Holders	20355	*	*	*	*	26165
	Hectare	*	*	*	*	*	9554
Arsi	Holders	6592	*	*	*	*	9074
	Hectare	*	*	*	*	*	643
West Harerge	Holders	50529	1626	*	*	*	62659
	Hectare	8844	*	*	*	*	11146
East Harerge	Holders	84069	*	30940	*	8367	138445
	Hectare	14269	*	4796	*	*	26072
Bale	Holders	*	-	-	-	-	*
	Hectare	*	-	-	-	-	*
Borena	Holders	*	*	-	-	-	*
	Hectare	*	*	-	-	-	*
South West Shewa	Holders	18308	*	*	*	1712	23045
	Hectare	*	*	*	*	*	*
Guji	Holders	1269	*	*	-	-	1806
	Hectare	*	*	*	-	-	*
West Arsi	Holders	*	2280	*	*	-	8138
	Hectare	*	*	*	*	-	*
Kelem	Holders	*	*	-	-	-	*
	Hectare	*	*	-	-	-	*
Horoguduru	Holders	3852	*	*	*	-	5066
	Hectare	438	*	*	*	-	472
Somali Region	Holders	12714	-	-	-	*	12830
	Hectare	4222	-	-	-	*	4230
Shinele	Holders	3406	-	-	-	-	3406
	Hectare	1995	-	-	-	-	1995
Jijiga	Holders						
	Hectare						
Liben	Holders	9309	-	-	-	*	9424
	Hectare	2227	-	-	-	*	2235
Benishangul	Holders	11561	*	*	-	*	12537
	Hectare	725	*	*	-	*	757
Metekel Zone	Holders	7992	-	-	-	*	8533
	Hectare	609	-	-	-	*	636
Asosa	Holders	*	*	*	-	-	*
	Hectare	*	*	*	-	-	*
Kemashi	Holders	*	-	-	-	*	*
	Hectare	*	-	-	-	*	*
Mao Komo	Holders	*	-	-	-	-	*
	Hectare	*	-	-	-	-	*
S.N.N.P Region	Holders	75353	5644	*	1331	*	84813
	Hectare	23835	*	*	*	*	24883
Gurage	Holders	*	-	-	-	-	*
	Hectare	*	-	-	-	-	*
Hadiya	Holders	*	-	-	*	-	*
	Hectare	*	-	-	*	-	*
Kemb. – Temb.	Holders	*	-	-	*	-	*
	Hectare	*	-	-	*	-	*
Sidama	Holders	*	*	*	-	-	*
	Hectare	*	*	*	-	-	*
Gedio	Holders	-	-	-	*	-	*
	Hectare	-	-	-	-	-	-
Wolayita	Holders	*	*	-	-	-	*
	Hectare	*	*	-	-	-	*
South Omo	Holders	*	-	-	-	-	*
	Hectare	*	-	-	-	-	*
Sheka	Holders	*	-	-	-	*	*
	Hectare	*	-	-	-	*	*

Table 5 (cont'd)

Geographic area		Source of Water					
		River	Lake	Pond	Water Harvest	Others	Total
Keffa	Holders	*	*	-	*	-	*
	Hectare	*	*	-	*	-	*
Gamo - Gofa	Holders	*	3445	*	-	-	*
	Hectare	*	*	-	-	-	*
Benchi – Maji	Holders	*	-	-	-	-	*
	Hectare	*	-	-	-	-	*
Yem	Holders	*	*	*	-	*	225
	Hectare	*	*	*	-	*	*
Segen Peoples	Holders	17501	-	*	-	-	17684
	Hectare	8556	-	*	-	-	8558
Dawro	Holders						
	Hectare						
Basketo	Holders	*	*	-	-	-	*
	Hectare	*	*	-	-	-	*
Konta	Holders	*	-	-	-	-	*
	Hectare	*	-	-	-	-	*
Silitie	Holders	*	*	*	*	*	*
	Hectare	*	*	*	*	*	*
Alaba	Holders						
	Hectare						
Gamblella Region	Holder	*	-	-	*	-	*
	Hectare	*	-	-	*	-	*
Agnuwak	Holder	*	-	-	-	-	*
	Hectare	*	-	-	-	-	*
Nuware	Holder	*	-	-	*	-	*
	Hectare	*	-	-	*	-	*
Mezenger	Holder						
	Hectare						
Itang Special	Holder						
	Hectare						
Harari Region	Holders	4039	*	1972	*	*	7974
	Hectare	823	*	247	*	*	1679
Dire Dawa	Holders	4928	*	*	-	*	6255
	Hectare	1246	*	*	-	*	1377

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

Ethiopia

Crop type	Source of Water					
	River	Lake	Pond	Water Harvest	Others	Total
All	120746	5705	7984	*	8289	151645
Cereals	48059	2920	3208	*	3588	61517
Teff	4914	*	*	206	483	6179
Barley	1906	*	*	384	*	2650
Wheat	3896	992	*	396	*	5692
Maize	23344	883	2245	*	1062	28225
Sorghum	13449	*	699	*	*	17804
Finger millet	523	*	-	*	*	939
Oats / 'Aja'	*	-	-	-	-	*
Rice	*	-	-	-	*	*
Pulses	3015	860	*	229	135	4537
Horse / Faba beans	660	*	*	*	*	1593
Field Peas	*	*	-	-	-	37
Haricot beans	1084	*	*	*	*	1317
Chick peas	*	*	*	*	-	635
Lentils	*	-	*	-	-	*
Vetch / Grass peas	*	-	-	*	*	129
Soya beans	*	-	*	-	-	*
Fenugreek	94	-	*	*	*	181
Gibto	*	*	-	-	-	*
Oilseeds	1055	*	*	*	*	2244
Neug	*	-	-	-	*	*
Linseed	*	-	*	-	*	61
Groundnuts	179	*	*	*	-	*
Safflower	*	-	-	-	*	*
Sesame	*	-	-	-	*	*
Rapeseed	165	-	*	-	*	176
Vegetables	7055	*	299	528	*	10013
Lettuce	*	-	*	*	*	*
Head cabbage	293	*	36	*	*	489
Ethiopian cabbage	310	*	*	*	101	580
Tomatoes	1671	*	79	*	*	3673
Green peppers	*	*	54	68	42	*
Red peppers	1953	*	*	*	122	2236
Swiss chard	*	-	*	*	*	*
Root crops	16274	*	587	539	615	18522
Beetroot	72	*	*	*	9	100
Carrot	143	-	*	*	*	271
Onion	8417	*	*	*	182	9123
Potatoes	2962	-	*	*	*	3221
Garlic	1402	*	173	*	243	2024
Taro 'Godere'	31	-	*	*	-	33
Sweet potatoes	3247	*	*	*	*	3750
Other Temporary	3756	*	44	15	39	4025
Permanent crops	9869	*	112	192	174	10800
Avocado	159	*	*	1	*	173
Bananas	*	*	87	48	*	*
Guava	387	-	*	42	*	476
Lemons	160	*	*	9	*	207
Mangoes	998	*	*	*	26	1090
Oranges	531	*	*	*	*	576
Papayas	496	*	*	*	25	547
Pineapples	-	-	-	-	-	-
Stimulant Crops	24911	181	3361	*	1918	33011
Chat	16186	*	2543	*	1134	22276
Coffee	7251	*	*	*	*	8562
Hops / 'Gesho'	1474	*	25	220	436	2174
Enset	931	*	-	*	-	970
Sugar cane	5017	*	*	*	*	5159
Other permanent	805	*	*	12	25	846

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

Tigray

Crop type	Source of Water					
	River	Lake	Pond	Water Harvest	Others	Total
All	8759	723	731	1528	*	12820
Cereals	5416	586	*	762	*	7993
Teff	564	*	*	*	*	1028
Barley	404	*	-	*	*	851
Wheat	1299	*	*	*	*	1940
Maize	713	68	*	80	*	957
Sorghum	*	-	-	*	*	*
Finger millet	*	-	-	*	-	*
Oats / 'Aja'	-	-	-	-	-	-
Rice	-	-	-	-	-	-
Pulses	577	*	*	*	*	845
Horse / Faba beans	243	*	*	*	*	403
Field Peas	*	*	-	-	-	*
Haricot beans	-	-	-	-	-	-
Chick peas	*	*	-	*	-	168
Lentils	*	-	-	-	-	*
Vetch / Grass peas	*	-	-	-	-	*
Soya beans	-	-	*	-	-	*
Fenugreek	*	-	*	*	-	*
Gibto	-	-	-	-	-	-
Oilseeds	*	-	*	-	*	*
Neug	*	-	-	-	-	*
Linseed	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-
Safflower	-	-	-	-	*	*
Sesame	*	-	-	-	-	*
Rapeseed	-	-	*	-	-	*
Vegetables	415	*	*	147	15	663
Lettuce	*	-	*	*	-	*
Head cabbage	*	-	*	*	*	*
Ethiopian cabbage	*	-	-	-	-	*
Tomatoes	*	*	*	*	*	183
Green peppers	97	*	*	64	9	179
Red peppers	130	-	12	*	-	163
Swiss chard	*	-	*	*	-	*
Root crops	459	*	305	*	*	1051
Beetroot	*	-	*	-	-	*
Carrot	*	-	*	*	*	*
Onion	*	-	*	*	*	*
Potatoes	77	-	*	*	*	241
Garlic	208	*	*	*	*	491
Taro 'Godere'	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-
Other Temporary	*	-	*	10	*	*
Permanent crops	*	*	*	138	*	776
Avocado	*	-	-	*	-	*
Bananas	87	-	*	*	-	132
Guava	187	-	*	40	*	235
Lemons	*	-	*	8	-	*
Mangoes	*	*	-	*	*	96
Oranges	25	-	*	*	-	37
Papayas	*	-	*	*	*	*
Pineapples	-	-	-	-	-	-
Stimulant Crops	*	*	*	109	*	1212
Chat	*	-	*	-	-	*
Coffee	*	-	-	*	*	*
Hops / 'Gesho'	279	*	*	108	*	440
Enset	-	-	-	-	-	-
Sugar cane	*	-	-	-	-	*
Other permanent	*	-	-	9	*	21

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

Afar

Crop type	Source of Water					
	River	Lake	Pond	Water Harvest	Others	Total
All	4376	*	-	-	-	4377
Cereals	3754	-	-	-	-	3754
Teff	-	-	-	-	-	-
Barley	*	-	-	-	-	*
Wheat	*	-	-	-	-	*
Maize	3346	-	-	-	-	3346
Sorghum	*	-	-	-	-	*
Finger millet	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-
Rice	-	-	-	-	-	-
Pulses	-	-	-	-	-	-
Horse / Faba beans	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	-
Chick peas	-	-	-	-	-	-
Lentils	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-
Gibto	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-
Neug	-	-	-	-	-	-
Linseed	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-
Safflower	-	-	-	-	-	-
Sesame	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-
Vegetables	152	-	-	-	-	152
Lettuce	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-
Tomatoes	29	-	-	-	-	29
Green peppers	*	-	-	-	-	*
Red peppers	*	-	-	-	-	*
Swiss chard	-	-	-	-	-	-
Root crops	*	-	-	-	-	*
Beetroot	-	-	-	-	-	-
Carrot	-	-	-	-	-	-
Onion	*	-	-	-	-	*
Potatoes	-	-	-	-	-	-
Garlic	*	-	-	-	-	*
Taro 'Godere'	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-
Other Temporary	-	-	-	-	-	-
Permanent crops	*	*	-	-	-	27
Avocado	-	-	-	-	-	-
Bananas	*	-	-	-	-	*
Guava	*	-	-	-	-	*
Lemons	*	-	-	-	-	*
Mangoes	*	*	-	-	-	*
Oranges	-	-	-	-	-	-
Papayas	*	-	-	-	-	*
Pineapples	-	-	-	-	-	-
Stimulant Crops	-	-	-	-	-	-
Chat	-	-	-	-	-	-
Coffee	-	-	-	-	-	-
Hops / 'Gesho'	-	-	-	-	-	-
Enset	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	-
Other permanent	255	-	-	-	-	255

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

Amhara

Crop type	Source of Water					
	River	Lake	Pond	Water Harvest	Others	Total
All	29167	1269	395	612	2798	34241
Cereals	10299	744	*	*	1050	12290
Teff	2453	*	-	-	*	2775
Barley	1206	-	*	*	*	1389
Wheat	829	*	-	*	*	1290
Maize	1888	*	*	*	*	2525
Sorghum	*	*	*	-	*	*
Finger millet	*	*	-	-	-	*
Oats / 'Aja'	*	-	-	-	-	*
Rice	-	-	-	-	*	*
Pulses	1211	*	-	*	*	1717
Horse / Faba beans	*	*	-	-	*	*
Field Peas	*	*	-	-	-	*
Haricot beans	*	-	-	-	*	*
Chick peas	*	-	-	-	-	*
Lentils	*	-	-	-	-	*
Vetch / Grass peas	*	-	-	*	*	*
Soya beans	-	-	-	-	-	-
Fenugreek	*	-	-	*	-	*
Gibto	*	*	-	-	-	*
Oilseeds	491	-	-	-	*	502
Neug	*	-	-	-	-	*
Linseed	*	-	-	-	-	*
Groundnuts	-	-	-	-	-	-
Safflower	*	-	-	-	-	*
Sesame	*	-	-	-	*	*
Rapeseed	*	-	-	-	*	*
Vegetables	2227	*	73	*	211	2560
Lettuce	*	-	-	-	*	*
Head cabbage	144	-	*	*	*	217
Ethiopian cabbage	39	-	*	*	*	83
Tomatoes	*	-	-	*	*	*
Green peppers	*	-	*	*	29	455
Red peppers	1459	*	*	*	119	1614
Swiss chard	*	-	*	*	*	5
Root crops	7507	*	*	86	373	8086
Beetroot	26	-	*	-	*	33
Carrot	*	-	*	*	*	*
Onion	*	-	*	*	*	*
Potatoes	2299	-	*	*	-	2386
Garlic	1012	*	*	*	*	1309
Taro 'Godere'	-	-	-	-	-	-
Sweet potatoes	*	-	-	*	*	*
Other Temporary	*	*	*	*	25	*
Permanent crops	816	*	*	*	90	956
Avocado	20	-	*	*	*	24
Bananas	380	*	*	*	*	423
Guava	109	-	*	-	*	111
Lemons	10	-	*	-	*	46
Mangoes	93	*	*	*	*	109
Oranges	174	*	*	*	*	206
Papayas	30	-	*	*	*	36
Pineapples	-	-	-	-	-	-
Stimulant Crops	4431	*	*	*	962	5779
Chat	1571	-	*	*	*	2229
Coffee	1914	*	*	*	110	2084
Hops / 'Gesho'	946	*	*	*	399	1466
Enset	*	-	-	-	-	*
Sugar cane	908	*	*	*	*	962
Other permanent	62	-	*	*	16	80

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

Oromia

Crop type	Source of Water					
	River	Lake	Pond	Water Harvest	Others	Total
All	47581	2858	6537	*	3834	67244
Cereals	15467	1397	2787	*	1395	23797
Teff	*	*	*	*	*	1473
Barley	*	*	*	-	-	*
Wheat	*	*	*	*	*	1911
Maize	8523	*	2110	*	*	12213
Sorghum	4361	*	619	*	*	7575
Finger millet	*	-	-	-	*	*
Oats / 'Aja'	*	-	-	-	-	*
Rice	*	-	-	-	-	*
Pulses	490	*	*	*	*	1229
Horse / Faba beans	*	*	*	*	-	*
Field Peas	*	-	-	-	-	*
Haricot beans	332	*	*	*	*	555
Chick peas	-	-	*	-	-	*
Lentils	-	-	*	-	-	*
Vetch / Grass peas	-	-	-	-	-	-
Soya beans	*	-	*	-	-	*
Fenugreek	*	-	*	*	*	*
Gibto	-	-	-	-	-	-
Oilseeds	234	-	*	*	*	*
Neug	-	-	-	-	*	*
Linseed	*	-	*	-	*	55
Groundnuts	*	-	*	*	-	*
Safflower	-	-	-	-	-	-
Sesame	*	-	-	-	-	*
Rapeseed	*	-	-	-	-	*
Vegetables	*	*	*	*	*	5773
Lettuce	*	-	-	-	-	*
Head cabbage	*	-	*	*	*	*
Ethiopian cabbage	194	*	*	*	*	356
Tomatoes	*	*	*	*	*	2703
Green peppers	*	*	*	*	*	*
Red peppers	282	*	*	*	*	374
Swiss chard	-	-	-	*	-	*
Root crops	6364	*	*	172	178	7213
Beetroot	43	*	*	*	*	49
Carrot	*	-	*	*	*	*
Onion	3531	*	*	*	*	4005
Potatoes	563	-	-	-	*	573
Garlic	171	-	*	-	*	212
Taro 'Godere'	*	-	*	-	-	*
Sweet potatoes	2031	-	*	*	*	2316
Other Temporary	252	*	*	-	*	379
Permanent crops	2107	*	*	-	*	2222
Avocado	*	*	*	-	-	*
Bananas	1591	*	*	-	*	1661
Guava	*	-	*	-	*	*
Lemons	*	-	-	-	-	*
Mangoes	148	*	*	-	-	155
Oranges	*	-	-	-	-	*
Papayas	143	-	-	-	*	143
Pineapples	-	-	-	-	-	-
Stimulant Crops	15526	*	3045	*	670	21543
Chat	11479	*	2283	*	440	16402
Coffee	3840	*	*	*	*	4913
Hops / 'Gesho'	208	-	*	*	*	227
Enset	76	*	-	*	-	115
Sugar cane	3437	*	*	*	-	3517
Other permanent	50	-	*	*	*	55

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

Somalie

Crop type	Source of Water					
	River	Lake	Pond	Water Harvest	Others	Total
All	4222	-	-	-	*	4230
Cereals	2937	-	-	-	-	2937
Teff	-	-	-	-	-	-
Barley	-	-	-	-	-	-
Wheat	-	-	-	-	-	-
Maize	1709	-	-	-	-	1709
Sorghum	1229	-	-	-	-	1229
Finger millet	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-
Rice	-	-	-	-	-	-
Pulses	*	-	-	-	-	*
Horse / Faba beans	-	-	-	-	-	-
Field Peas	*	-	-	-	-	*
Haricot beans	*	-	-	-	-	*
Chick peas	-	-	-	-	-	-
Lentils	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-
Gibto	-	-	-	-	-	-
Oilseeds	*	-	-	-	-	*
Neug	-	-	-	-	-	-
Linseed	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-
Safflower	-	-	-	-	-	-
Sesame	*	-	-	-	-	*
Rapeseed	-	-	-	-	-	-
Vegetables	282	-	-	-	*	288
Lettuce	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-
Tomatoes	272	-	-	-	*	278
Green peppers	*	-	-	-	-	*
Red peppers	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-
Root crops	*	-	-	-	*	*
Beetroot	-	-	-	-	-	-
Carrot	-	-	-	-	-	-
Onion	*	-	-	-	*	*
Potatoes	-	-	-	-	-	-
Garlic	*	-	-	-	-	*
Taro 'Godere'	-	-	-	-	-	-
Sweet potatoes	*	-	-	-	-	*
Other Temporary	-	-	-	-	-	-
Permanent crops	350	-	-	-	*	351
Avocado	-	-	-	-	-	-
Bananas	*	-	-	-	*	*
Guava	*	-	-	-	-	*
Lemons	44	-	-	-	-	44
Mangoes	33	-	-	-	*	33
Oranges	205	-	-	-	-	205
Papayas	*	-	-	-	*	*
Pineapples	-	-	-	-	-	-
Stimulant Crops	303	-	-	-	-	303
Chat	294	-	-	-	-	294
Coffee	*	-	-	-	-	*
Hops / 'Gesho'	-	-	-	-	-	-
Enset	-	-	-	-	-	-
Sugar cane	*	-	-	-	*	*
Other permanent	*	-	-	-	-	*

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

Benishangul – Gumuz

Crop type	Source of Water					
	River	Lake	Pond	Water Harvest	Others	Total
All	725	*	*	-	*	757
Cereals	*	*	-	-	*	*
Teff	*	-	-	-	-	*
Barley	-	-	-	-	-	-
Wheat	-	-	-	-	-	-
Maize	*	*	-	-	*	*
Sorghum	*	-	-	-	-	*
Finger millet	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-
Rice	-	-	-	-	-	-
Pulses	-	-	-	-	*	*
Horse / Faba beans	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-
Haricot beans	-	-	-	-	*	*
Chick peas	-	-	-	-	-	-
Lentils	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-
Gibto	-	-	-	-	-	-
Oilseeds	*	-	-	-	-	*
Neug	*	-	-	-	-	*
Linseed	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-
Safflower	-	-	-	-	-	-
Sesame	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-
Vegetables	57	-	-	-	*	59
Lettuce	-	-	-	-	-	-
Head cabbage	*	-	-	-	-	*
Ethiopian cabbage	*	-	-	-	-	*
Tomatoes	*	-	-	-	-	*
Green peppers	*	-	-	-	-	*
Red peppers	*	-	-	-	*	*
Swiss chard	-	-	-	-	-	-
Root crops	*	-	-	-	-	*
Beetroot	-	-	-	-	-	-
Carrot	-	-	-	-	-	-
Onion	*	-	-	-	-	*
Potatoes	-	-	-	-	-	-
Garlic	*	-	-	-	-	*
Taro 'Godere'	*	-	-	-	-	*
Sweet potatoes	-	-	-	-	-	-
Other Temporary	*	-	-	-	-	*
Permanent crops	*	-	*	-	*	81
Avocado	-	-	-	-	-	-
Bananas	*	-	*	-	-	*
Guava	*	-	-	-	-	*
Lemons	*	-	-	-	-	*
Mangoes	*	-	-	-	*	*
Oranges	-	-	-	-	-	-
Papayas	*	-	-	-	-	*
Pineapples	-	-	-	-	-	-
Stimulant Crops	*	-	-	-	-	*
Chat	*	-	-	-	-	*
Coffee	*	-	-	-	-	*
Hops / 'Gesho'	*	-	-	-	-	*
Enset	-	-	-	-	-	-
Sugar cane	*	-	-	-	-	*
Other permanent	-	-	-	-	*	*

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

S.N.N.P.R

Crop type	Source of Water					
	River	Lake	Pond	Water Harvest	Others	Total
All	23837	*	*	*	*	24886
Cereals	9159	*	*	-	*	9350
Teff	*	*	-	-	-	*
Barley	*	-	-	-	-	*
Wheat	*	-	-	-	-	*
Maize	7100	*	*	-	*	7264
Sorghum	*	*	-	-	-	*
Finger millet	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-
Rice	-	-	-	-	-	-
Pulses	*	*	-	*	-	*
Horse / Faba beans	*	-	-	-	-	*
Field Peas	*	-	-	-	-	*
Haricot beans	*	*	-	*	-	*
Chick peas	*	-	-	-	-	*
Lentils	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-
Fenugreek	*	-	-	-	-	*
Gibto	-	-	-	-	-	-
Oilseeds	*	-	-	-	-	*
Neug	-	-	-	-	-	-
Linseed	*	-	-	-	-	*
Groundnuts	-	-	-	-	-	-
Safflower	-	-	-	-	-	-
Sesame	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-
Vegetables	*	*	*	*	*	417
Lettuce	-	-	-	-	-	-
Head cabbage	*	*	*	-	-	*
Ethiopian cabbage	*	*	*	*	*	139
Tomatoes	*	-	-	*	*	*
Green peppers	*	-	-	-	-	*
Red peppers	*	-	-	-	-	*
Swiss chard	-	-	*	-	-	*
Root crops	*	*	*	*	*	*
Beetroot	*	-	*	-	*	*
Carrot	-	-	-	*	-	*
Onion	*	*	-	*	*	*
Potatoes	*	-	-	-	-	*
Garlic	*	-	-	*	-	*
Taro 'Godere'	*	-	-	*	-	*
Sweet potatoes	*	*	-	-	-	*
Other Temporary	*	*	*	-	-	*
Permanent crops	*	*	*	*	*	*
Avocado	102	*	-	*	*	112
Bananas	*	*	*	*	-	*
Guava	*	-	-	-	-	*
Lemons	21	*	-	*	-	23
Mangoes	*	*	-	*	-	*
Oranges	*	-	-	-	-	*
Papayas	61	-	-	-	*	66
Pineapples	-	-	-	-	-	-
Stimulant Crops	*	*	*	-	*	*
Chat	*	-	*	-	*	*
Coffee	1065	*	*	-	*	1082
Hops / 'Gesho'	*	-	-	-	-	*
Enset	854	-	-	-	-	854
Sugar cane	*	*	-	-	-	*
Other permanent	*	*	-	-	-	*

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

Gambella

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

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

Harari

Crop type	Source of Water					
	River	Lake	Pond	Water Harvest	Others	Total
All	823	*	247	*	*	1679
Cereals	*	*	*	*	*	510
Teff	-	-	-	-	-	-
Barley	-	-	-	-	*	*
Wheat	-	-	-	-	-	-
Maize	*	*	*	*	*	139
Sorghum	*	*	*	*	*	365
Finger millet	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-
Rice	-	-	-	-	-	-
Pulses	-	-	-	-	-	-
Horse / Faba beans	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	-
Chick peas	-	-	-	-	-	-
Lentils	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-
Gibto	-	-	-	-	-	-
Oilseeds	*	-	*	*	-	*
Neug	-	-	-	-	-	-
Linseed	-	-	-	-	-	-
Groundnuts	*	-	*	*	-	*
Safflower	-	-	-	-	-	-
Sesame	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-
Vegetables	*	-	*	*	-	*
Lettuce	-	-	-	-	-	-
Head cabbage	-	-	-	*	-	*
Ethiopian cabbage	-	-	-	-	-	-
Tomatoes	*	-	*	*	-	*
Green peppers	-	-	-	*	-	*
Red peppers	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-
Root crops	21	-	*	*	*	*
Beetroot	-	-	-	-	-	-
Carrot	-	-	-	-	-	-
Onion	-	-	-	-	-	-
Potatoes	*	-	-	-	-	*
Garlic	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-
Sweet potatoes	19	-	*	*	*	*
Other Temporary	-	-	-	-	*	*
Permanent crops	*	-	-	*	*	163
Avocado	-	-	-	*	-	*
Bananas	*	-	-	*	*	*
Guava	-	-	-	*	*	*
Lemons	*	-	-	-	-	*
Mangoes	*	-	-	*	-	89
Oranges	-	-	-	-	-	-
Papayas	*	-	-	*	-	*
Pineapples	-	-	-	-	-	-
Stimulant Crops	217	*	99	*	*	618
Chat	217	*	83	*	*	601
Coffee	-	-	*	*	-	*
Hops / 'Gesho'	-	-	-	-	-	-
Enset	-	-	-	-	-	-
Sugar cane	*	-	-	-	-	*
Other permanent	-	-	*	*	-	*

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

Dire Dawa

Crop type	Source of Water					
	River	Lake	Pond	Water Harvest	Others	Total
All	1246	*	*	-	*	1377
Cereals	597	*	-	-	*	654
Teff	-	-	-	-	-	-
Barley	-	-	-	-	-	-
Wheat	-	-	-	-	-	-
Maize	38	-	-	-	*	46
Sorghum	560	*	-	-	*	608
Finger millet	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-
Rice	-	-	-	-	-	-
Pulses	*	-	-	-	*	*
Horse / Faba beans	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-
Haricot beans	*	-	-	-	*	*
Chick peas	-	-	-	-	-	-
Lentils	-	-	-	-	-	-
Vetch / Grass peas	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-
Gibto	-	-	-	-	-	-
Oilseeds	*	*	-	-	-	*
Neug	-	-	-	-	-	-
Linseed	-	-	-	-	-	-
Groundnuts	-	*	-	-	-	*
Safflower	-	-	-	-	-	-
Sesame	*	-	-	-	-	*
Rapeseed	-	-	-	-	-	-
Vegetables	*	-	*	-	*	*
Lettuce	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-
Tomatoes	*	-	*	-	*	*
Green peppers	*	-	-	-	*	*
Red peppers	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-
Root crops	*	-	*	-	*	*
Beetroot	-	-	-	-	-	-
Carrot	-	-	-	-	-	-
Onion	*	-	*	-	*	*
Potatoes	*	-	-	-	-	*
Garlic	-	-	-	-	-	-
Taro 'Godere'	-	-	-	-	-	-
Sweet potatoes	*	-	-	-	-	*
Other Temporary	*	-	-	-	-	*
Permanent crops	*	*	-	-	*	*
Avocado	-	-	-	-	-	-
Bananas	*	-	-	-	-	*
Guava	*	-	-	-	*	2
Lemons	*	-	-	-	-	*
Mangoes	*	-	-	-	-	*
Oranges	*	-	-	-	-	*
Papayas	*	*	-	-	*	*
Pineapples	-	-	-	-	-	-
Stimulant Crops	252	*	-	-	*	296
Chat	*	-	-	-	*	196
Coffee	92	*	-	-	*	100
Hops / 'Gesho'	-	-	-	-	-	-
Enset	-	-	-	-	-	-
Sugar cane	-	-	-	-	-	-
Other permanent	*	-	-	-	*	*

Table 7 Farm Area Protected against Erosion as Reported by Farmers

Geographic area		Method of Protection					
		Terracing	Water catchments	Planting trees	Ploughing along the contour	Others	Total
Ethiopia	Holder	4895735	1855376	359902	5536742	4105615	15108722
	Hectare	2844789	658228	75367	3980676	2730234	17589624
Tigray Region	Holder	593020	303604	18818	505656	12373	988700
	Hectare	391832	140875	623	297739	896	954159
North West Tigray	Holder	106130	96853	*	81893	*	199730
	Hectare	93566	64321	*	36599	*	211900
Central Tigray	Holder	203842	79264	*	150293	5404	294429
	Hectare	113209	28183	*	73996	*	225007
East Tigray	Holder	103230	55663	10165	71556	*	157460
	Hectare	45934	15612	*	24187	*	105159
South Tigray	Holder	162934	44692	4542	117463	1709	233608
	Hectare	127077	19872	*	63616	*	220276
Western Tigray	Holder	16884	27131	*	84450	*	103473
	Hectare	12045	12887	*	99340	*	191816
Afar Region	Holder	3382	*	-	*	-	18532
	Hectare	1152	*	-	*	-	7308
Zone 1	Holder	*	*	-	*	-	17188
	Hectare	*	*	-	*	-	6855
Zone 3	Holder	*	*	-	*	-	*
	Hectare	*	*	-	*	-	*
Amhara Region	Holder	2449794	797328	92121	1639733	1618598	4368012
	Hectare	1482637	252253	7018	1308545	912362	5095562
North Gonder	Holder	353275	119224	*	422320	197759	690485
	Hectare	231762	35038	*	412523	93154	1013743
South Gonder	Holder	311000	115082	8092	262410	155539	525549
	Hectare	198511	20646	322	175392	59009	613433
North Wollo	Holder	257004	58910	3103	85509	60855	378057
	Hectare	155457	18049	*	32788	10565	342858
South Wollo	Holder	479784	130728	14488	129050	201244	676455
	Hectare	213640	35321	*	44416	93234	545201
North Shewa	Holder	321280	83406	4761	231601	177143	493389
	Hectare	215197	17717	*	227605	82565	588944
East Gojjam	Holder	253862	151542	29287	209111	298674	558034
	Hectare	179959	62037	2409	159597	215121	695205
West Gojjam	Holder	253169	84309	14431	143757	364291	562801
	Hectare	145647	46223	*	118979	242624	732727
Waghamera	Holder	68381	18533	*	37348	*	106368
	Hectare	51802	6129	*	22339	*	150366
Awi	Holder	77645	22650	13112	101201	158017	272210
	Hectare	51705	*	*	104247	114962	332209
Oromia Zone	Holder	67413	11912	*	16793	2958	96749
	Hectare	34123	5251	*	10321	*	74198
Argoba Special	Holder	6981	1033	*	633	383	7915
	Hectare	4835	393	*	336	112	6678
Oromia Region	Holder	1246245	492571	127964	2088766	2147802	5618512
	Hectare	750679	186197	31388	1780285	1721843	8376751
West Welega	Holder	80261	7489	17489	92041	180888	292215
	Hectare	26559	*	*	48244	134557	490477
East Welega	Holder	24694	12600	8936	59004	154858	229674
	Hectare	16612	*	1537	75917	140135	517889
Illubabor	Holder	48081	13713	11634	129905	97966	278794
	Hectare	26901	*	2614	110347	44582	509772
Jimma	Holder	14167	*	*	261111	287897	595568
	Hectare	5900	*	*	187152	150800	973223
West Shewa	Holder	80117	14196	*	146049	380402	492737
	Hectare	43611	3736	*	153199	328957	729682

Table 7 (cont'd)

Geographic area		Method of Protection					
		Terracing	Water catchments	Planting trees	Ploughing along the contour	Others	Total
North Shewa	Holder	120974	21115	9354	86753	191442	319976
	Hectare	103630	*	*	85197	189663	459292
East Shewa	Holder	63370	20800	3024	143893	52049	306374
	Hectare	53116	*	*	211490	41739	620243
Arsi	Holder	88094	77960	8872	282044	195170	549868
	Hectare	48747	30966	*	283425	138600	749969
West Harerge	Holder	218564	132635	*	140184	*	334188
	Hectare	141306	40963	*	83321	*	293705
East Harerge	Holder	385648	138156	*	98266	16863	497698
	Hectare	221915	45222	*	50602	648	329198
Bale	Holder	17469	5390	*	129173	49958	315757
	Hectare	8589	995	*	106567	51103	619009
Borena	Holder	*	1148	*	25335	*	101772
	Hectare	*	*	*	9551	*	82857
South West Shewa	Holder	23363	7947	*	60880	231800	319671
	Hectare	7513	816	*	39328	252089	504164
Guji	Holder	*	3803	10086	148040	34534	230116
	Hectare	*	1225	*	105766	5441	263277
West Arsi	Holder	36733	21580	3505	157472	56963	450011
	Hectare	18561	*	*	111567	24917	578684
Kelem	Holder	21098	9697	15430	91062	100906	185468
	Hectare	8146	*	1592	66973	61797	296877
Horoguduru	Holder	10692	2683	*	37553	94903	118627
	Hectare	11764	*	*	51639	143309	358432
Somali Region	Holder	4784	17112	-	29655	*	104808
	Hectare	2434	14641	-	19731	*	116553
Shinele	Holder	3755	974	-	*	-	6082
	Hectare	2102	*	-	*	-	3353
Jijiga	Holder	*	12508	-	20367	-	74250
	Hectare	*	13040	-	16875	-	104528
Liben	Holder	*	3629	-	9262	*	24476
	Hectare	*	*	-	2854	*	8672
Benishangul – Gumuz Reg.	Holder	7731	30802	*	85769	45097	259878
	Hectare	*	14378	*	100595	30539	349520
Metekel Zone	Holder	4229	5096	*	57670	19210	120969
	Hectare	*	2291	*	74112	13769	197931
Asosa	Holder	*	23747	*	16527	20360	100492
	Hectare	*	11311	*	11419	*	84451
Kemashi	Holder	*	741	*	6671	2782	22013
	Hectare	*	*	*	11900	2513	49939
Mao Komo	Holder	513	1218	*	4901	2745	16404
	Hectare	*	*	*	3164	987	17199
S.N.N.P Region	Holder	548135	200989	114166	1185696	277058	3652124
	Hectare	186800	45396	*	473288	63901	2626141
Gurage	Holder	73434	33508	*	126095	46577	304548
	Hectare	34331	*	*	55176	6756	205499
Hadiya	Holder	44400	22879	*	189874	44762	289750
	Hectare	15484	*	*	85042	14399	211943
Kembata – Tembaro	Holder	44428	1431	*	85081	17911	137921
	Hectare	11670	*	*	22687	*	75086
Sidama	Holder	33483	5182	80972	203054	16124	966426
	Hectare	3944	*	*	41575	*	447253
Gedio	Holder	*	*	2495	*	4404	177959
	Hectare	*	*	*	*	544	111438
Wolayita	Holder	94376	30949	*	93595	34966	325940
	Hectare	26262	*	*	21714	6289	195104

Table 7 (cont'd)

Geographic area		Method of Protection					
		Terracing	Water catchments	Planting trees	Ploughing along the contour	Others	Total
South Omo	Holder	*	*	*	24406	*	128186
	Hectare	*	*	*	10786	*	128188
Sheka	Holder	*	460	-	5723	3050	56491
	Hectare	*	*	-	1485	*	65972
Keffa	Holder	*	918	*	94359	11931	218926
	Hectare	882	*	*	62862	*	279102
Gamo - Gofa	Holder	108024	27855	14101	104863	48626	417889
	Hectare	31960	2114	*	32459	*	321517
Benchi – Maji	Holder	1198	*	*	37580	3378	120784
	Hectare	*	*	*	15267	*	116211
Yem	Holder	3070	694	*	14613	14272	21887
	Hectare	1288	*	*	9824	8253	30216
Segen Peoples	Holder	47468	16965	*	35070	4738	110527
	Hectare	17147	6704	*	23730	*	95881
Dawro	Holder	16549	4196	645	39841	9338	85213
	Hectare	7261	672	*	18496	*	86353
Basketo	Holder	765	*	*	2509	1519	18654
	Hectare	*	*	*	685	347	14271
Konta	Holder	2274	624	-	13949	*	30246
	Hectare	583	92	-	5738	*	27179
Silitie	Holder	59394	40469	*	70460	8416	188334
	Hectare	26756	*	*	33175	1368	160449
Alaba	Holder	12615	*	*	40407	*	52444
	Hectare	7884	*	*	31335	*	54481
Gambella Region	Holder	*	228	-	-	149	49845
	Hectare	*	*	-	-	*	34822
Agnuwak	Holder	*	*	-	-	-	15681
	Hectare	*	*	-	-	-	8278
Nuware	Holder	-	*	-	-	*	12655
	Hectare	-	*	-	-	*	5220
Mezenger	Holder	-	145	-	-	*	16371
	Hectare	-	*	-	-	*	19496
Itang	Holder	-	-	-	-	-	5138
	Hectare	-	-	-	-	-	1828
Harari Region	Holder	20355	8355	*	*	1298	25467
	Hectare	11895	3794	*	*	*	16441
Dire Dawa	Holder	22172	2372	-	-	-	22844
	Hectare	11715	490	-	-	-	12367

Table 8 Number of Holders Reporting Oxen Shortage by Coping Strategy

Geographic area	Coping strategy						
	Renting oxen	Pairing with Someone's ox	Pairing with horse/cow	Using horse / cow	Digging by hand	Borrowing oxen	Others
Ethiopia	797819	3048671	214101	216998	2842442	2913479	615420
Tigray Region	103017	260471	19536	6913	24633	145654	36988
North West Tigray	13964	42895	*	*	6780	23159	8262
Central Tigray	28955	87056	*	*	7203	41765	7900
East Tigray	17846	53859	2808	*	6188	30304	*
South Tigray	21634	63793	2604	*	2459	47348	8963
Western Tigray	20618	12867	*	*	*	3078	6044
Afar Region	5059	3961	*	-	*	*	-
Zone 1	4905	2632	*	-	*	*	-
Zone 3	*	*	-	-	*	*	-
Amhara Region	194762	1134554	141353	181665	143922	823093	213322
North Gonder	56510	189349	9926	11698	*	135531	33909
South Gonder	20752	174627	17156	27799	*	81421	10426
North Wollo	22138	112902	17694	18344	12421	62976	31394
South Wollo	27449	140954	42799	40923	15925	153377	34627
North Shewa	15384	125392	5399	*	21005	92781	36287
East Gojjam	22280	149398	17015	22271	12862	108800	23322
West Gojjam	9117	164094	8858	7437	12642	95354	24719
Waghamera	7371	27512	5043	6103	1459	15976	5303
Awi	8761	28119	16824	44733	10994	49801	9405
Oromia Zone	4436	20680	*	*	14274	24949	3570
Argoba Special	566	1526	*	*	844	2126	360
Oromia Region	285494	976221	34363	17136	794523	1280034	275824
West Welega	39758	73542	*	-	21544	74576	16474
East Welega	25591	33676	*	*	7214	50374	8917
Illubabor	19252	68394	*	*	14900	65996	15778
Jimma	49566	148131	*	-	29015	138228	32500
West Shewa	20637	68705	*	-	15498	121462	47404
South West Shewa	13835	46279	2868	*	13135	59651	22340
North Shewa	12717	42998	*	*	5531	75947	14688
East Shewa	12335	99531	3458	*	9843	128055	30492
Arsi	7457	83416	1667	-	71155	77545	*
West Harerge	5872	60830	*	6465	286426	80875	12561
East Harerge	2202	37215	*	-	*	92854	11367
Bale	2567	4873	*	-	60891	22808	*
Borena	19096	65095	*	*	24588	55639	22644
Guji	*	17826	*	-	100860	45920	-
West Arsi	8344	67971	*	*	101414	135558	11021
Kelem	28689	43370	*	-	10010	39727	12925
Horoguduru	10263	14370	1139	*	4111	14817	8707
Somali Region	4870	6537	*	2101	32805	16219	35842
Shinele	*	621	-	-	2365	1870	511
Jijiga	*	4279	*	1571	5356	12027	33645
Liben	3884	1636	-	*	25084	2323	*
Benishangul – Gumuz	23625	14619	2561	5847	116507	29176	5762
Metekel Zone	11754	6811	*	*	36936	15963	2366
Asosa	8709	4347	1771	*	57583	10438	*
Kemashi	1782	1321	*	*	11700	1429	*
Mao Komo	1380	2140	*	*	10288	1346	*
S.N.N.P Region	179507	641498	15651	2169	1659842	601585	44153
Gurage	21825	41792	*	-	164159	27183	3583
Hadiya	18706	102151	*	-	25319	95504	*
Kembata – Tembaro	3394	50466	*	*	20344	53460	*
Sidama	10303	19891	*	-	864438	*	*
Gedio	5486	2785	-	*	162721	1790	-
Wolayita	24228	107619	*	*	78799	110547	7881
South Omo	19948	12933	*	-	36583	21813	*

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	5046	15019	-	*	15380	8612	7120
Keffa	10043	80274	-	-	7464	52306	4615
Gamo - Gofa	12756	63635	*	*	178217	54675	4100
Benchi – Maji	8341	18640	*	*	32833	24181	*
Yem	1051	6392	-	-	985	4856	1298
Segen Peoples	3812	8440	739	-	37335	15084	692
Dawro	4418	26136	-	-	10062	23091	*
Basketo	3136	3657	*	*	7393	1318	-
Konta	815	8506	*	-	3822	10524	*
Silitie	23876	57726	*	-	13987	32583	4551
Alaba	*	15435	*	-	-	15459	*
Gambella Region	867	1789	*	*	43136	1582	1962
Agnuwak	435	820	*	*	11940	1341	*
Nuware	*	-	-	-	13272	-	-
Mezhenger	366	969	-	*	12723	*	1931
Itang	-	-	-	*	5201	-	-
Harari Region	517	3910	*	927	13377	3134	1068
Dire Dawa	*	5112	*	*	9906	5309	*

Table 9: Number of Holders reporting Oxen

Geographic	No ox	One ox	Two oxen	Three oxen	Four oxen	Five oxen
Ethiopia	6092985	3533838	3870604	351052	303297	100125
Tigray Region	212023	292130	353155	24699	17708	2985
North West Tigray	14094	49667	87795	7013	7055	*
Central Tigray	74712	92835	106408	3491	*	-
East Tigray	46886	57343	37327	*	*	-
South Tigray	68704	71253	77742	5459	3324	*
Western Tigray	7627	21032	43884	5739	5513	2118
Afar Region	1656	4288	6630	*	*	*
Zone 1	1581	2960	3889	*	*	*
Zone 3	*	*	*	*	-	*
Amhara Region	1254426	1367749	1348095	138971	66909	13029
North Gonder	225823	223266	193712	28559	11938	2795
South Gonder	138312	206755	162575	7913	2523	*
North Wollo	128720	137755	101977	*	*	*
South Wollo	241886	196856	212721	*	*	*
North Shewa	148110	138033	182674	12455	7744	*
East Gojjam	159010	180766	164087	30984	9715	*
West Gojjam	96535	174415	187452	32279	17552	2535
Waghamera	32409	34392	35177	1973	1131	*
Awi	38168	47955	76543	16047	11066	*
Oromia Zone	42059	25526	28847	1662	742	*
Argoba Special	3394	2029	2330	*	*	-
Oromia Region	2004899	1130055	1620670	148476	183972	57810
West Welega	140358	77409	62662	2661	*	*
East Welega	26289	42860	78840	7937	9725	2990
Illubabor	106176	71031	75615	6984	9404	2271
Jimma	231386	159341	176057	9890	9772	2285
West Shewa	54641	80934	161541	15466	32291	4829
South West Shewa	85818	57840	129155	17821	15461	3591
North Shewa	97523	50888	109233	9339	20926	11681
East Shewa	159041	118285	214448	25192	20739	6163
Arsi	142061	91217	76418	6323	3271	*
West Harerge	349147	87150	33172	*	*	*
East Harerge	106235	48185	119608	11732	17875	5178
Bale	73354	7107	30574	2322	2562	*
Borena	43338	69677	106130	10215	10547	4670
Guji	144708	23787	55848	2565	6983	*
West Arsi	151023	76081	106127	8132	8553	*
Kelem	80670	50901	44668	2074	2438	*
Horoguduru	13132	17361	40575	7076	10279	6277
Somali Region	75836	15733	20821	887	926	*
Shinele	4290	1126	677	-	-	-
Jijiga	42778	13625	15668	*	*	*
Liben	28768	*	4476	*	*	*
Benishangul – Gumuz	172458	19801	47152	6388	7021	2813
Metekel Zone	59758	11705	32980	5478	6685	2186
Asosa	82107	4703	10579	*	-	*
Kemashi	17181	1364	2663	386	*	*
Mao Komo	13413	2028	930	*	*	*
S.N.N.P Region	2303054	690761	467229	30227	25982	21902
Gurage	157493	49769	29642	*	3682	6284
Hadiya	117761	109387	40076	*	*	-
Kembata – Tembaro	77677	50778	8383	*	*	-
Sidama	893709	26553	16904	*	*	*
Gedio	165827	3719	*	-	-	*
Wolayita	211627	112637	15556	-	-	*
South Omo	78207	13511	33151	2662	5576	1313

Table 9 (Cont'd)

Geographic	No ox	One ox	Two oxen	Three oxen	Four oxen	Five oxen
Sheka	30748	15330	4790	*	*	*
Keffa	68409	82027	60048	1847	2073	*
Gamo - Gofa	241774	70360	93120	7786	*	*
Benchi – Maji	63690	19668	32439	1494	1573	508
Yem	7142	6487	6313	589	311	*
Segen Peoples	54267	10606	28684	6688	6031	3637
Dawro	37140	25729	19732	*	*	*
Basketo	11442	4257	2440	201	223	*
Konta	14270	9109	5582	*	-	-
Silitie	57176	62430	50314	*	*	*
Alaba	14697	18404	16584	510	1238	*
Gambella Region	36729	1742	3043	578	574	*
Agnuwak	12279	917	2913	578	574	*
Nuware	11207	-	-	-	-	*
Mezhenger	8376	825	130	-	-	*
Itang	4867	-	-	-	-	-
Harari Region	17328	5112	1954	*	*	*
Dire Dawa	14577	6466	1854	*	-	-

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

National

Crop Type	Area	Once	Twice
All	13939458.51	13815801.67	123656.57
Cereals	9601035.26	9541079.39	59955.87
Teff	2730272.95	2721161.06	9111.89
Barley	1018752.94	999301.14	19451.8
Wheat	1627647.16	1622676.98	4970.18
Maize	2013044.93	1988111.78	24933.15
Sorghum	1711485.04	1710153.79	1331.25
Finger millet	431506.89	431481.05	*
Oats / 'Aja'	26514.1	26487.27	*
Rice	41811.25	41706.31	*
Pulses	1863445.42	1807387.11	56058.31
Horse / Faba beans	574060.45	572742.04	1318.41
Field Peas	255968.83	251665.24	*
Haricot beans	366876.94	352419.65	14457.29
Chick peas	239512.43	224791.18	14721.25
Lentils	123718.15	123260.3	457.85
Vetch / Grass peas	205374.2	185903.66	19470.54
Soya beans	31854.75	30675.94	*
Fenugreek	32909.63	32759.09	150.55
Gibto	33170.03	33170.03	-
Oilseeds	818449.3	816338.92	*
Neug	303627.7	301989.34	*
Linseed	127883.03	127847.26	35.77
Groundnuts	90155.57	90136.53	*
Safflower	11413.74	11321.65	*
Sesame	239532.34	239434.15	*
Rapeseed	45836.92	45609.99	226.93
Vegetables	192555.39	191124.4	1430.99
Lettuce	75.01	74.92	*
Head cabbage	3049.01	3014.67	34.34
Ethiopian cabbage	34791.05	34390.18	400.87
Tomatoes	7237.35	6533.43	*
Green peppers	10588.52	10479.59	108.93
Red peppers	136503.73	136338.64	165.09
Swiss chard	310.7	292.96	*
Root crops	203958.15	201869.08	2089.07
Beetroot	1795.25	1753.55	41.7
Carrot	1132.94	1114.72	*
Onion	21865.37	20889.63	975.74
Potatoes	74934.57	74263.53	671.04
Garlic	21258.43	21001.85	256.59
Taro 'Godere'	41337.62	41308.23	*
Sweet potatoes	41633.95	41537.57	*
Other Temporary	117833.05	117626.62	206.42
Fruit Crops	61972.6	61742.94	229.66
Avocado	8938.24	8937.89	*
Bananas	36012.19	35855.13	157.06
Guava	1492.32	1447.78	*
Lemons	754.23	753.5	*
Mangoes	8808.64	8793.7	*
Oranges	2999.21	2996.04	*
Papayas	2752.08	2743.2	*
Pineapples	215.69	215.69	-
Stimulant Crops	725540.74	724323.6	1216.86
Chat	173844.91	173244.4	600.52
Coffee	528751.11	528169.65	*
Hops / 'Gesho'	22944.71	22909.56	34.88
Enset	318453.51	318305.48	148.03
Sugar cane	22388.48	22196.03	*
Other permanent	13826.62	13808.08	*

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

Tigary

Crop Type	Area	Once	Twice
All	893061.52	891562	1499.24
Cereals	730755.92	729781.5	974.41
Teff	161798.11	161509.37	288.74
Barley	98162.52	97829.19	*
Wheat	111846.34	111620.49	*
Maize	69026.2	68899.71	*
Sorghum	208390.45	208390.45	-
Finger millet	78663.67	78663.67	-
Oats / 'Aja'	*	*	-
Rice	*	*	-
Pulses	61633.99	61343.24	*
Horse / Faba beans	18580.11	18566.02	*
Field Peas	6306.76	6306.76	-
Haricot beans	*	*	*
Chick peas	11604.22	11423	*
Lentils	8539.51	8496.8	*
Vetch / Grass peas	12734.96	12687.35	*
Soya beans	*	*	-
Fenugreek	1365.27	1362.04	*
Gibto	-	-	-
Oilseeds	85116.21	85116.21	-
Neug	6341.53	6341.53	-
Linseed	8188.38	8188.38	-
Groundnuts	*	*	-
Safflower	133.12	133.12	-
Sesame	69505.94	69505.94	-
Rapeseed	*	*	-
Vegetables	2315.47	2200.93	114.54
Lettuce	3.92	3.82	*
Head cabbage	*	*	-
Ethiopian cabbage	*	*	-
Tomatoes	352.33	339.16	*
Green peppers	464.89	437.78	*
Red peppers	1334.59	1278.17	*
Swiss chard	*	2	*
Root crops	2283.78	2221.1	62.68
Beetroot	*	*	*
Carrot	*	*	*
Onion	317.35	*	*
Potatoes	779.27	765.06	*
Garlic	1020.44	995.64	*
Taro 'Godere'	-	-	-
Sweet potatoes	-	-	-
Other Temporary	569.52	556.38	*
Fruit Crops	1178.52	1153.67	*
Avocado	*	*	-
Bananas	139.41	139.41	-
Guava	292.37	278.21	*
Lemons	66.34	66.21	*
Mangoes	118.2	112.97	*
Oranges	49.77	49.77	-
Papayas	*	*	*
Pineapples	-	-	-
Stimulant Crops	3246.63	3227.49	*
Chat	*	*	-
Coffee	158.27	158.27	-
Hops / 'Gesho'	2006.09	1986.94	*
Enset	-	-	-
Sugar cane	*	*	-
Other permanent	5937.98	5937.98	-

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

Afar

Crop Type	Area	Once	Twice
All	4392.78	3602.11	*
Cereals	3754.37	3142.82	*
Teff	-	-	-
Barley	*	*	-
Wheat	*	-	*
Maize	3346.35	297*	*
Sorghum	*	*	-
Finger millet	-	-	-
Oats / 'Aja'	-	-	-
Rice	-	-	-
Pulses	-	-	-
Horse / Faba beans	-	-	-
Field Peas	-	-	-
Haricot beans	-	-	-
Chick peas	-	-	-
Lentils	-	-	-
Vetch / Grass peas	-	-	-
Soya beans	-	-	-
Fenugreek	-	-	-
Gibto	-	-	-
Oilseeds	-	-	-
Neug	-	-	-
Linseed	-	-	-
Groundnuts	-	-	-
Safflower	-	-	-
Sesame	-	-	-
Rapeseed	-	-	-
Vegetables	152.36	152.36	-
Lettuce	-	-	-
Head cabbage	-	-	-
Ethiopian cabbage	-	-	-
Tomatoes	29.31	29.31	-
Green peppers	*	*	-
Red peppers	*	*	-
Swiss chard	-	-	-
Root crops	*	*	*
Beetroot	-	-	-
Carrot	-	-	-
Onion	*	*	*
Potatoes	-	-	-
Garlic	*	*	-
Taro 'Godere'	-	-	-
Sweet potatoes	-	-	-
Other Temporary	-	-	-
Fruit Crops	27.01	27.01	-
Avocado	-	-	-
Bananas	*	*	-
Guava	*	*	-
Lemons	*	*	-
Mangoes	*	*	-
Oranges	-	-	-
Papayas	*	*	-
Pineapples	-	-	-
Stimulant Crops	-	-	-
Chat	-	-	-
Coffee	-	-	-
Hops / 'Gesho'	-	-	-
Enset	-	-	-
Sugar cane	-	-	-
Other permanent	270.55	270.55	-

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

Amahara

Crop Type	Area	Once	Twice
All	4529188.54	4457015.46	72173.08
Cereals	3254156.12	3225885.98	28270.14
Teff	1090139.5	1083811.21	6328.29
Barley	388113.19	372267.82	15845.37
Wheat	498192.03	496980.08	*
Maize	434641.83	430203.34	4438.48
Sorghum	578276.4	577838.61	*
Finger millet	226547.4	226539.15	*
Oats / 'Aja'	3476.78	3476.78	-
Rice	34768.99	34768.99	-
Pulses	821900.48	779157.67	42742.81
Horse / Faba beans	245066.27	244310.68	755.6
Field Peas	96707.67	95140.29	*
Haricot beans	96416.68	87055.25	9361.43
Chick peas	130381.56	118691.15	11690.42
Lentils	77368.16	77072.57	295.59
Vetch / Grass peas	124614.92	105598.07	19016.85
Soya beans	*	*	-
Fenugreek	15435.63	15380.08	*
Gibto	32824.4	32824.4	-
Oilseeds	290329.49	290039.89	289.59
Neug	97522.24	97522.24	-
Linseed	43778.54	43772.68	*
Groundnuts	3817.6	3817.6	-
Safflower	8660.32	8568.23	*
Sesame	107596.44	107520.53	*
Rapeseed	28954.35	28838.61	*
Vegetables	54364.37	54261.55	102.81
Lettuce	23.68	23.68	-
Head cabbage	578.02	573.8	*
Ethiopian cabbage	976.58	976.58	-
Tomatoes	657.37	653.11	*
Green peppers	1508.06	1456.25	*
Red peppers	50585.59	50543.08	*
Swiss chard	35.06	35.06	-
Root crops	41855.61	41132.15	723.47
Beetroot	200.17	189.25	*
Carrot	147.09	145.69	*
Onion	7917.65	7714.84	*
Potatoes	22513.17	22199.98	313.2
Garlic	10362.7	10167.58	*
Taro 'Godere'	*	*	-
Sweet potatoes	714.22	714.22	-
Other Temporary	28871.45	28870.28	*
Fruit Crops	2881.41	2881.15	*
Avocado	58.82	58.82	-
Bananas	689.36	689.36	-
Guava	331.57	331.57	-
Lemons	307.8	307.54	*
Mangoes	246.85	246.85	-
Oranges	937.48	937.48	-
Papayas	309.53	309.53	-
Pineapples	-	-	-
Stimulant Crops	31664.52	31622.42	*
Chat	8355.76	8354.3	*
Coffee	7787.92	7763.29	*
Hops / 'Gesho'	15520.84	15504.84	*
Enset	*	*	-
Sugar cane	2331.45	2330.73	*
Other permanent	815.86	815.86	-

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

Oromia

Crop Type	Area	Once	Twice
All	6423571.63	6380965.38	42606.25
Cereals	4486163.34	4461052.07	25111.26
Teff	1256564.8	1254285.71	2279.09
Barley	448545.32	445592.31	2953.01
Wheat	872971.81	869759.58	3212.23
Maize	1115957.4	1099981.32	15976.08
Sorghum	675657.31	675085.25	572.05
Finger millet	92306.89	92306.89	-
Oats / 'Aja'	21889.32	21862.5	*
Rice	2270.49	2178.52	*
Pulses	734045.32	722046.31	11999.01
Horse / Faba beans	237162.85	236676.65	486.19
Field Peas	99940.64	97292.47	*
Haricot beans	171666.55	166955.58	4710.98
Chick peas	90757.25	88295.58	*
Lentils	37049.94	36930.39	*
Vetch / Grass peas	67422.87	67121.01	*
Soya beans	14117.84	12939.03	*
Fenugreek	15738.77	15647	91.77
Gibto	*	*	-
Oilseeds	378562.94	376926.44	*
Neug	188558.4	187068.79	*
Linseed	73862.71	73862.71	-
Groundnuts	56950.52	56931.48	*
Safflower	2070.23	2070.23	-
Sesame	42219.83	42197.55	*
Rapeseed	14901.25	14795.68	105.57
Vegetables	85220.08	84129.85	1090.23
Lettuce	36.53	36.53	-
Head cabbage	1546.87	1520.05	*
Ethiopian cabbage	10690.77	10395.64	295.14
Tomatoes	4492.34	3819.64	*
Green peppers	7078.54	7049.11	*
Red peppers	61159.49	61093.34	*
Swiss chard	*	*	-
Root crops	82072.45	81086.68	985.78
Beetroot	1110.74	1082.61	*
Carrot	660.63	655.19	*
Onion	11024.47	10448.24	576.23
Potatoes	39254.57	39000.52	254.04
Garlic	8620.34	8583.68	36.67
Taro 'Godere'	5500.96	5471.8	*
Sweet potatoes	15900.75	15844.64	*
Other Temporary	35614.23	35443.61	170.62
Fruit Crops	20671.95	20506.93	*
Avocado	2766.45	2766.45	-
Bananas	11713.45	11588.23	*
Guava	576.88	549.4	*
Lemons	108.07	108.07	-
Mangoes	3789.47	3779.75	*
Oranges	1052.6	1052.6	-
Papayas	605.11	602.51	*
Pineapples	59.91	59.91	-
Stimulant Crops	496115.09	494989.41	1125.69
Chat	117315.76	116722.58	593.18
Coffee	374732.89	374200.38	*
Hops / 'Gesho'	4066.44	4066.44	-
Enset	94070.58	93948.55	122.02
Sugar cane	7594.37	7405.12	*
Other permanent	3441.28	3430.4	*

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

Somalie

Crop Type	Area	Once	Twice
All	76993.33	75384.82	*
Cereals	65729.52	64164.14	*
Teff	-	-	-
Barley	*	*	-
Wheat	4150.13	4150.13	-
Maize	28808.44	27374.32	*
Sorghum	31593.75	31462.49	*
Finger millet	-	-	-
Oats / 'Aja'	*	*	-
Rice	-	-	-
Pulses	1058.39	1020.22	*
Horse / Faba beans	-	-	-
Field Peas	*	*	*
Haricot beans	941.75	903.63	*
Chick peas	*	*	-
Lentils	*	*	-
Vetch / Grass peas	-	-	-
Soya beans	-	-	-
Fenugreek	*	*	-
Gibto	-	-	-
Oilseeds	*	*	-
Neug	-	-	-
Linseed	*	*	-
Groundnuts	*	*	-
Safflower	-	-	-
Sesame	*	*	-
Rapeseed	-	-	-
Vegetables	778.96	778.34	*
Lettuce	-	-	-
Head cabbage	-	-	-
Ethiopian cabbage	-	-	-
Tomatoes	720.91	720.3	*
Green peppers	*	*	-
Red peppers	-	-	-
Swiss chard	*	*	-
Root crops	837.76	836.92	*
Beetroot	-	-	-
Carrot	-	-	-
Onion	813.16	812.31	*
Potatoes	-	-	-
Garlic	*	*	-
Taro 'Godere'	-	-	-
Sweet potatoes	20.45	20.45	-
Other Temporary	*	*	-
Fruit Crops	410.73	407.22	*
Avocado	-	-	-
Bananas	*	*	-
Guava	*	*	-
Lemons	44.8	44.46	*
Mangoes	33.52	33.52	-
Oranges	208.08	204.92	*
Papayas	*	*	-
Pineapples	-	-	-
Stimulant Crops	5282.89	5282.89	-
Chat	5274.73	5274.73	-
Coffee	*	*	-
Hops / 'Gesho'	-	-	-
Enset	-	-	-
Sugar cane	*	*	-
Other permanent	366.04	366.04	-

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

Benshangule-Gumuz

Crop Type	Area	Once	Twice
All	253680.12	253349.21	330.91
Cereals	167390.12	167327.64	62.48
Teff	19389.08	19374.5	*
Barley	723.21	707.35	*
Wheat	1770.9	1770.9	-
Maize	49476.37	49461.92	14.45
Sorghum	65933.36	65933.36	-
Finger millet	29114.9	29097.31	*
Oats / 'Aja'	*	*	-
Rice	*	*	-
Pulses	24703.72	24612.78	*
Horse / Faba beans	725.87	725.87	-
Field Peas	887.35	887.35	-
Haricot beans	7749.14	7749.14	-
Chick peas	853.24	762.31	*
Lentils	*	*	-
Vetch / Grass peas	*	*	-
Soya beans	14390.24	14390.24	-
Fenugreek	*	*	-
Gibto	*	*	-
Oilseeds	51837.39	51666.66	*
Neug	9066.1	8918.87	*
Linseed	676.57	654.35	22.22
Groundnuts	23144.53	23144.53	-
Safflower	*	*	-
Sesame	18485.98	18485.98	-
Rapeseed	109.6	108.33	*
Vegetables	3427.09	3425.05	*
Lettuce	*	*	-
Head cabbage	14.13	14.13	-
Ethiopian cabbage	76.25	74.55	*
Tomatoes	*	*	*
Green peppers	54.57	54.57	-
Red peppers	3276.56	3276.56	-
Swiss chard	*	*	-
Root crops	1239.08	1239.08	-
Beetroot	3.16	3.16	-
Carrot	1.7	1.7	-
Onion	119.56	119.56	-
Potatoes	*	*	-
Garlic	106.35	106.35	-
Taro 'Godere'	41.54	41.54	-
Sweet potatoes	458.28	458.28	-
Other Temporary	1951.58	1948.92	*
Fruit Crops	1190.23	1189.67	*
Avocado	4	4	-
Bananas	340.19	339.62	*
Guava	*	*	-
Lemons	32.13	32.13	-
Mangoes	652.56	652.56	-
Oranges	70.28	70.28	-
Papayas	32.01	32.01	-
Pineapples	-	-	-
Stimulant Crops	1745.79	1744.62	*
Chat	840.66	839.49	*
Coffee	860.27	860.27	-
Hops / 'Gesho'	44.86	44.86	-
Enset	5.08	4.75	*
Sugar cane	138.16	138.16	-
Other permanent	*	*	-

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

S.N.N.P.R.

Crop Type	Area	Once	Twice
All	1712577.2	1708036.88	4540.32
Cereals	866341.31	863075.82	3265.5
Teff	202375.61	202174.42	*
Barley	82040.19	81735.96	*
Wheat	138351.34	138266.41	*
Maize	305204.64	302655.13	2549.5
Sorghum	131516.72	131404.06	*
Finger millet	4873.12	4873.12	-
Oats / 'Aja'	504.7	504.7	-
Rice	*	*	*
Pulses	219357.44	218460.82	896.63
Horse / Faba beans	72520.46	72457.93	*
Field Peas	52124.96	52036.96	*
Haricot beans	86978.86	86634	344.86
Chick peas	5896.3	5599.29	297.01
Lentils	684.56	684.56	-
Vetch / Grass peas	*	*	*
Soya beans	144.41	144.41	-
Fenugreek	307.08	307.08	-
Gibto	*	*	-
Oilseeds	6884.85	6872.81	*
Neug	*	*	-
Linseed	1223.84	1216.14	*
Groundnuts	547.15	547.15	-
Safflower	189.95	189.95	-
Sesame	*	*	-
Rapeseed	1266.22	1261.87	*
Vegetables	45966.5	45851.13	115.37
Lettuce	10.48	10.48	-
Head cabbage	773.65	770.36	*
Ethiopian cabbage	22998.85	22894.82	*
Tomatoes	811.93	804.05	*
Green peppers	1276.97	1276.81	*
Red peppers	20061.93	20061.93	-
Swiss chard	32.69	32.69	-
Root crops	74939.97	74806.05	*
Beetroot	465.34	464.11	*
Carrot	172.64	172.47	*
Onion	1410.95	1408.53	*
Potatoes	11842.75	11753.16	*
Garlic	1143.47	1143.47	-
Taro 'Godere'	35688.12	35687.89	*
Sweet potatoes	24216.69	24176.41	*
Other Temporary	49180.47	49161.64	18.83
Fruit Crops	34299.5	34264.55	*
Avocado	6001	6000.65	*
Bananas	22770.21	22738.93	*
Guava	196.87	193.97	*
Lemons	141.11	141.11	-
Mangoes	3375.89	3375.89	-
Oranges	629.69	629.69	-
Papayas	1040.03	1039.61	*
Pineapples	144.71	144.71	-
Stimulant Crops	176961.05	176932.93	*
Chat	35593.11	35588.4	*
Coffee	140093.11	140069.71	*
Hops / 'Gesho'	1274.82	1274.82	-
Enset	223962.05	223936.37	*
Sugar cane	12014.32	12011.84	*
Other permanent	2669.74	2662.91	*

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

Gambella

Crop Type	Area	Once	Twice
All	17437.79	17371.13	*
Cereals	8768.83	8703.69	*
Teff	*	*	-
Barley	26.92	26.92	-
Wheat	*	*	-
Maize	5070.81	5063.61	*
Sorghum	3662.18	3604.24	*
Finger millet	-	-	-
Oats / 'Aja'	*	*	-
Rice	*	*	-
Pulses	*	*	-
Horse / Faba beans	*	*	-
Field Peas	*	*	-
Haricot beans	*	*	-
Chick peas	-	-	-
Lentils	*	*	-
Vetch / Grass peas	-	-	-
Soya beans	-	-	-
Fenugreek	-	-	-
Gibto	-	-	-
Oilseeds	29.52	28.01	*
Neug	*	*	*
Linseed	*	*	-
Groundnuts	6.64	6.64	-
Safflower	*	*	-
Sesame	*	*	-
Rapeseed	*	*	-
Vegetables	177.4	177.4	-
Lettuce	-	-	-
Head cabbage	*	*	-
Ethiopian cabbage	39.23	39.23	-
Tomatoes	*	*	-
Green peppers	37.96	37.96	-
Red peppers	*	*	-
Swiss chard	*	*	-
Root crops	305.49	305.49	-
Beetroot	-	-	-
Carrot	-	-	-
Onion	*	*	-
Potatoes	*	*	-
Garlic	*	*	-
Taro 'Godere'	106.4	106.4	-
Sweet potatoes	181.3	181.3	-
Other Temporary	1501.99	1501.99	-
Fruit Crops	689.32	689.32	-
Avocado	104.07	104.07	-
Bananas	219.17	219.17	-
Guava	*	*	-
Lemons	4.81	4.81	-
Mangoes	180.41	180.41	-
Oranges	13.97	13.97	-
Papayas	*	*	-
Pineapples	11.07	11.07	-
Stimulant Crops	5383.17	5383.17	-
Chat	*	*	-
Coffee	4958.73	4958.73	-
Hops / 'Gesho'	31.65	31.65	-
Enset	398.02	398.02	-
Sugar cane	130.09	130.09	-
Other permanent	4.72	4.72	-

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

Harari Region

Crop Type	Area	Once	Twice
All	16269.51	16269.51	-
Cereals	8202.03	8202.03	-
Teff	-	-	-
Barley	*	*	-
Wheat	58.94	58.94	-
Maize	1242.35	1242.35	-
Sorghum	6871.85	6871.85	-
Finger millet	*	*	-
Oats / 'Aja'	-	-	-
Rice	-	-	-
Pulses	*	*	-
Horse / Faba beans	-	-	-
Field Peas	-	-	-
Haricot beans	*	*	-
Chick peas	-	-	-
Lentils	-	-	-
Vetch / Grass peas	-	-	-
Soya beans	-	-	-
Fenugreek	-	-	-
Gibto	-	-	-
Oilseeds	2997.13	2997.13	-
Neug	-	-	-
Linseed	*	*	-
Groundnuts	2943.02	2943.02	-
Safflower	-	-	-
Sesame	*	*	-
Rapeseed	*	*	-
Vegetables	*	*	-
Lettuce	-	-	-
Head cabbage	*	*	-
Ethiopian cabbage	-	-	-
Tomatoes	*	*	-
Green peppers	*	*	-
Red peppers	-	-	-
Swiss chard	-	-	-
Root crops	128.82	128.82	-
Beetroot	-	-	-
Carrot	-	-	-
Onion	*	*	-
Potatoes	*	*	-
Garlic	*	*	-
Taro 'Godere'	-	-	-
Sweet potatoes	117.04	117.04	-
Other Temporary	31.3	31.3	-
Fruit Crops	506.53	506.53	-
Avocado	*	*	-
Bananas	43.5	43.5	-
Guava	5.76	5.76	-
Lemons	47.64	47.64	-
Mangoes	367.24	367.24	-
Oranges	-	-	-
Papayas	42.27	42.27	-
Pineapples	-	-	-
Stimulant Crops	4129	4129	-
Chat	4083.89	4083.89	-
Coffee	45.11	45.11	-
Hops / 'Gesho'	-	-	-
Enset	-	-	-
Sugar cane	*	*	-
Other permanent	5.59	5.59	-

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

Dire Dawa Region

Crop Type	Area	Once	Twice
All	12286.1	12245.17	40.93
Cereals	9773.72	9743.7	*
Teff	-	-	-
Barley	*	*	-
Wheat	*	*	-
Maize	270.55	260.08	*
Sorghum	9429.03	9409.48	*
Finger millet	-	-	-
Oats / 'Aja'	-	-	-
Rice	-	-	-
Pulses	690.55	690.55	-
Horse / Faba beans	-	-	-
Field Peas	-	-	-
Haricot beans	687.46	687.46	-
Chick peas	-	-	-
Lentils	-	-	-
Vetch / Grass peas	-	-	-
Soya beans	-	-	-
Fenugreek	*	*	-
Gibto	-	-	-
Oilseeds	267.39	267.39	-
Neug	-	-	-
Linseed	-	-	-
Groundnuts	*	*	-
Safflower	-	-	-
Sesame	109.56	109.56	-
Rapeseed	-	-	-
Vegetables	44.9	39.52	*
Lettuce	-	-	-
Head cabbage	-	-	-
Ethiopian cabbage	*	*	-
Tomatoes	42.36	37.4	*
Green peppers	*	*	*
Red peppers	-	-	-
Swiss chard	-	-	-
Root crops	*	*	*
Beetroot	-	-	-
Carrot	-	-	-
Onion	*	*	*
Potatoes	*	*	-
Garlic	-	-	-
Taro 'Godere'	-	-	-
Sweet potatoes	25.24	25.24	-
Other Temporary	*	*	-
Fruit Crops	*	*	*
Avocado	-	-	-
Bananas	*	*	-
Guava	12.21	12.21	-
Lemons	*	*	-
Mangoes	*	*	-
Oranges	*	*	-
Papayas	*	*	*
Pineapples	-	-	-
Stimulant Crops	1012.6	1011.68	*
Chat	905.95	905.95	-
Coffee	106.65	105.73	*
Hops / 'Gesho'	-	-	-
Enset	-	-	-
Sugar cane	-	-	-
Other permanent	*	*	*

Table 11. Total number of plots by type of sowing for cereal crops

National

Crop type	Type of Sowing			
	Broadcasting	**%**	**Row**	**%**
Cereals	50080561	100	8741413	100
Teff	11733300	23.43	147388	1.69
Barely	7908474	15.79	98473	1.13
Wheat	8598387	17.17	259401	2.97
Maize	10335345	20.64	7409261	84.76
Sorghum	8934031	17.84	707318	8.09
Finger Millet	2031852	4.06	98849	1.13
Oats	305688	0.61	4266	0.05
Rice	233484	0.47	16457	0.19

Table 11.1 Total number of plots by type of sowing for cereal crops

Tigray

Crop type	Type of Sowing			
	Broadcasting	**%**	**Row**	**%**
Cereals	4848211	100	155713	100
Teff	943953	19.47	5724	3.68
Barely	976348	20.14	6012	3.86
Wheat	970606	20.02	7156	4.60
Maize	710515	14.66	85235	54.74
Sorghum	802895	16.56	46224	29.69
Finger Millet	435691	8.99	5065	3.25
Oats	1964	0.04	297	0.19
Rice	6239	0.13	-	-

Table 11.2 Total number of plots by type of sowing for cereal crops

Afar

Crop type	Type of Sowing			
	Broadcasting	**%**	**Row**	**%**
Cereals	3069	100	4062	100
Teff	-	-	-	-
Barely	-	-	46	1.13
Wheat	396	12.90	66	1.62
Maize	2522	82.18	3705	91.21
Sorghum	151	4.92	245	6.03
Finger Millet	-	-	-	-
Oats	-	-	-	-
Rice	-	-	-	-

Table 11.3 Total number of plots by type of sowing for cereal crops

Amahara

Crop type	Type of Sowing			
	Broadcasting	**%**	**Row**	**%**
Cereals	17889240	100	2462398	100
Teff	5112836	28.58	70765	2.87
Barely	3223056	18.02	32921	1.34
Wheat	3404473	19.03	93253	3.79
Maize	2237084	12.51	2214610	89.94
Sorghum	2634964	14.73	40579	1.65
Finger Millet	992393	5.55	8505	0.35
Oats	76699	0.43	1765	0.07
Rice	207735	1.16	-	-

Table 11.4 Total number of plots by type of sowing for cereal crops

Oromia

Crop type	Type of Sowing			
	Broadcasting	**%**	**Row**	**%**
Cereals	19085930	100	4506451	100
Teff	4333738	22.71	58548	1.30
Barely	2440491	12.79	44086	0.98
Wheat	3141124	16.46	128597	2.85
Maize	4677558	24.51	3665873	81.35
Sorghum	3799376	19.91	528978	11.74
Finger Millet	472594	2.48	62589	1.39
Oats	209881	1.10	1915	0.04
Rice	11168	0.06	15865	0.35

Table 11.5 Total number of plots by type of sowing for cereal crops

Somalie

Crop type	Type of Sowing			
	Broadcasting	**%**	**Row**	**%**
Cereals	238762	100	10856	100
Teff	97	0.04	-	-
Barely	4796	2.01	-	-
Wheat	16237	6.80	459	4.23
Maize	109020	45.66	9970	91.84
Sorghum	-	-	-	-
Finger Millet	107443	45.00	427	3.93
Oats	1169	0.49	-	-
Rice	-	-	-	-

Table 11.6 Total number of plots by type of sowing for cereal crops

Benshagule Gumze

Crop type	Type of Sowing			
	Broadcasting	**%**	**Row**	**%**
Cereals	620290	100	115068	100
Teff	57479	9.27	908	0.79
Barely	7324	1.18	202	0.18
Wheat	6943	1.12	452	0.39
Maize	268279	43.25	92653	80.52
Sorghum	200704	32.36	19302	16.77
Finger Millet	76305	12.30	1363	1.18
Oats	1081	0.17	-	-
Rice	2175	0.35	188	0.16

Table 11.7 Total number of plots by type of sowing for cereal crops

SNNP

Crop type	Type of Sowing			
	Broadcasting	**%**	**Row**	**%**
Cereals	7190277	100	1416548	100
Teff	1285116	17.87	11444	0.81
Barely	1255269	17.46	14955	1.06
Wheat	1056746	14.70	28400	2.00
Maize	2295254	31.92	1296336	91.51
Sorghum	1222017	17.00	43459	3.07
Finger Millet	54869	0.76	21275	1.50
Oats	14893	0.21	288	0.02
Rice	6113	0.09	391	0.03

Table 11.8 Total number of plots by type of sowing for cereal crops

Gambela

Crop type	Type of Sowing			
	Broadcasting	**%**	**Row**	**%**
Cereals	24069	100	21972	100
Teff	82	0.34	-	-
Barely	98	0.41	52	0.24
Wheat	28	0.12	-	-
Maize	8224	34.17	20975	95.46
Sorghum	15583	64.74	932	4.24
Finger Millet	-	-	-	-
Oats	-	-	-	-
Rice	54	0.22	13	0.06

Table 11.9 Total number of plots by type of sowing for cereal crops

Harari

Crop type	Type of Sowing			
	Broadcasting	**%**	**Row**	**%**
Cereals	67113	100	47429	100
Teff	-	-	-	-
Barely	460	0.69	199	0.42
Wheat	791	1.18	1018	2.15
Maize	14800	22.05	19740	41.62
Sorghum	51062	76.08	26419	55.70
Finger Millet	-	-	53	0.11
Oats	-	-	-	-
Rice	-	-	-	-

Table 11.10 Total number of plots by type of sowing for cereal crops

Dire Dawa

Crop type	Type of Sowing			
	Broadcasting	**%**	**Row**	**%**
Cereals	113602	100	920	100
Teff	-	-	-	-
Barely	633	0.56	-	-
Wheat	1043	0.92	-	-
Maize	12089	10.64	166	18.04
Sorghum	99837	87.88	754	81.96
Finger Millet	-	-	-	-
Oats	-	-	-	-
Rice	-	-	-	-

APPENDIX I

ESTIMATION PROCEDURES OF TOTALS, RATIOS AND SAMPLING ERRORS

APPENDIX I Estimation Procedures of Totals, Ratios and Sampling Errors

The following formulas were used to estimate total area of land under specific crop, total holders, quantity of fertilizer applied and seed sowed, and ratios in a stratum.

1. For Estimating Total Area of Land Under Specific Crop:

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

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

Where:

h represents the stratum

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

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

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

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

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

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

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

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

2. For Estimating Total Number of Holders:

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

Where:

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

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

W_{hi} is as defined above.

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

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

where,

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

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

W_{hi} is as defined above.

4. For Estimating Ratios in Stratum h:

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

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

5. Sampling Variance of Estimates:

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

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

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

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

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

Where,

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

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

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

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

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

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

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

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

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

6. Coefficient of Variation (CV) of Estimates:

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

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

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

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

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

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

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

APPENDIX II
ESTIMATES OF STANDARD ERRORS AND COEFFICIENT OF VARIATIONS

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

Crop	All fertilizer						DAP		
	Area (ha)			Quantity (qt)			Area (ha)		
	Estimate	S.E	C.V	Estimate	S.E	C.V	Estimate	S.E	C.V
All	7444654	123122	1.65	6237916	152613	2.45	2265824	80812	3.57
Cereals	6053873	112633	1.86	5527336	138061	2.5	1956781	74273	3.8
Teff	2024190	67798	3.35	1823132	78551	4.31	657385	34842	5.3
Barley	583687	32186	5.51	441881	29337	6.64	251131	23587	9.39
Wheat	1311239	62166	4.74	1467017	71028	4.84	545409	46801	8.58
Maize	1376972	47522	3.45	1380826	66747	4.83	254282	19605	7.71
Sorghum	457006	26240	5.74	190413	15129	7.95	76828	7777	10.12
Finger millet	278348	20988	7.54	206809	18072	8.74	163945	16745	10.21
Oats / 'Aja'	12588	2383	18.93	7740	1541	19.92	7637	2167	28.37
Rice	9842	3322	33.75	9518	3997	42	163	125	76.72
Pulses	463354	18017	3.89	243816	13703	5.62	192866	12073	6.26
Horse/Faba beans	210572	10422	4.95	96565	7160	7.41	81881	6261	7.65
Field Peas	73352	6157	8.39	42178	4492	10.65	39783	4953	12.45
Haricot beans	118651	11653	9.82	76351	9290	12.17	56176	8484	15.1
Chick peas	15587	2201	14.12	4134	1031	24.93	2621	576	22
Lentils	17927	2464	13.74	10694	2265	21.18	4771	1200	25.15
Vetch / Grass peas	9296	1637	17.61	3029	1155	38.12	1358	690	50.83
Soya beans	4164	1269	30.49	2180	697	31.99	1928	653	33.89
Fenugreek	11839	2038	17.22	6877	1391	20.23	3655	1650	45.15
Gibto	1967	458	23.28	1808	467	25.8	693	233	33.55
Oilseeds	141233	12122	8.58	92884	8411	9.06	39330	4563	11.6
Neug	16566	3092	18.67	3050	547	17.92	8350	1915	22.94
Linseed	15679	2489	15.88	5669	1179	20.8	7630	1757	23.03
Groundnuts	28472	7129	25.04	18138	5535	30.52	5615	1882	33.52
Safflower	3232	632	19.55	3641	935	25.68	277	108	39.02
Sesame	40718	8051	19.77	18055	2993	16.58	12328	2878	23.34
Rapeseed	36565	3143	8.6	44331	5324	12.01	5131	1270	24.75
Vegetables	146218	14031	9.6	159666	26744	16.75	14711	2290	15.57
Lettuce	46	10	22.5	5	4	74.17	-	-	-
Head cabbage	2182	279	12.8	1024	277	26.99	187	62	33.09
Ethiopian cabbage	27789	1556	5.6	2121	307	14.48	771	125	16.19
Tomatoes	4577	1344	29.36	14438	10453	72.4	541	261	48.23
Green peppers	4986	638	12.79	1303	370	28.4	387	161	41.62
Red peppers	106408	13879	13.04	140676	24519	17.43	12698	2259	17.79
Swiss chard	230	110	47.82	100	55	54.86	126	104	82.9
Root crops	131392	8103	6.17	90443	10445	11.55	32612	4493	13.78
Beetroot	1147	146	12.75	376	125	33.35	170	77	45.06
Carrot	768	228	29.64	256	78	30.33	127	64	50.27
Onion	17458	3534	20.24	24050	6490	26.98	3332	1008	30.25
Potatoes	61849	6773	10.95	51169	7825	15.29	26422	4340	16.43
Garlic	14314	1316	9.2	9577	1926	20.11	1169	213	18.2
Taro 'Godere'	19508	1663	8.53	1191	355	29.79	273	164	59.94
Sweet potatoes	16348	1374	8.41	3825	635	16.59	1118	257	22.96
Other Temporary	53058	3942	7.43	25236	5140	20.37	3461	892	25.78
Fruit crops	19975	1257	6.29						
Avocado	3798	345	9.1						
Bananas	11416	970	8.49						
Guava	419	64	15.29						
Lemons	280	68	24.31						
Mangoes	2010	203	10.11						
Oranges	1305	204	15.6						
Papayas	730	68	9.38						
Pineapples	16	6	38.34						
Stimulant Crops	198349	10388	5.24						
Chat	96900	6956	7.18						
Coffee	90101	6915	7.67						
Hops / 'Gesho'	11348	1197	10.55						
Enset	226569	10023	4.42						
Sugar cane	7334	1559	21.26						
Other permanent	3299	437	13.23						

APPENDIX II (cont'd)

Crop	DAP			UREA					
	Quantity (qt)			Area (ha)			Quantity (qt)		
	Estimate	S.E	C.V	Estimate	S.E	C.V	Estimate	S.E	C.V
All	1744871	63035	3.61	405,984.00	24,639.00	6.07	300,350.00	23,582.00	7.85
Cereals	1503308	57773	3.84	331,994.00	21,230.00	6.39	227,371.00	18,805.00	8.27
Teff	451875	25383	5.62	137,930.00	13,833.00	10.03	86,419.00	13,546.00	15.67
Barley	218251	21881	10.03	19,407.00	2,784.00	14.35	13,927.00	1,904.00	13.67
Wheat	479776	36549	7.62	36,261.00	4,135.00	11.40	29,775.00	4,616.00	15.50
Maize	187864	13838	7.37	52,181.00	5,900.00	11.31	46,360.00	5,812.00	12.54
Sorghum	38967	3414	8.76	62,794.00	8,922.00	14.21	39,190.00	6,192.00	15.80
Finger millet	121930	14074	11.54	18,001.00	3,024.00	16.80	7,560.00	1,061.00	14.04
Oats / 'Aja'	4586	1331	29.02	1,076.00	432.00	40.20	830.00	317.00	38.18
Rice	59	38	65.52	4,345.00	2,192.00	50.44	3,311.00	1,876.00	56.67
Pulses	141873	9583	6.75	15,085.00	2,041.00	13.53	10,630.00	1,604.00	15.09
Horse/Faba beans	64715	5770	8.92	3,283.00	725.00	22.10	2,099.00	371.00	17.66
Field Peas	27133	3097	11.42	1,452.00	403.00	27.77	671.00	155.00	23.14
Haricot beans	41714	6198	14.86	5,629.00	1,468.00	26.08	4,924.00	1,108.00	22.50
Chick peas	1532	364	23.78	461.00	218.00	47.36	316.00	122.00	38.46
Lentils	2588	665	25.68	1,452.00	506.00	34.81	595.00	184.00	30.94
Vetch / Grass peas	508	188	37.05	1,160.00	751.00	64.77	1,090.00	994.00	91.20
Soya beans	1304	500	38.31	599.00	309.00	51.57	179.00	89.00	49.48
Fenugreek	1718	746	43.45	897.00	262.00	29.26	582.00	155.00	26.67
Gibto	661	263	39.74	151.00	127.00	84.13	172.00	153.00	88.70
Oilseeds	21370	2678	12.53	14,218.00	3,400.00	23.92	11,055.00	3,133.00	28.34
Neug	1783	369	20.71	358.00	162.00	45.26	189.00	65.00	34.22
Linseed	3473	1087	31.31	565.00	263.00	46.62	439.00	180.00	41.11
Groundnuts	3252	1017	31.28	9,035.00	3,223.00	35.67	7,257.00	3,099.00	42.71
Safflower	388	151	38.97	500.00	143.00	28.56	595.00	174.00	29.32
Sesame	6073	1284	21.14	2,833.00	932.00	32.88	1,411.00	389.00	27.57
Rapeseed	6401	1698	26.53	926.00	186.00	20.11	1,165.00	260.00	22.31
Vegetables	14698	2178	14.82	13,536.00	2,281.00	16.85	14,027.00	3,724.00	26.55
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	207	69	33.11	73.00	22.00	29.82	86.00	26.00	29.90
Ethiopian cabbage	848	135	15.92	257.00	109.00	42.58	344.00	161.00	46.93
Tomatoes	623	277	44.51	266.00	101.00	38.17	171.00	61.00	35.78
Green peppers	325	134	41.29	257.00	71.00	27.49	250.00	68.00	27.30
Red peppers	12623	2146	17	12,681.00	2,266.00	17.87	13,173.00	3,711.00	28.17
Swiss chard	71	50	70.68	2.00	2.00	80.42	3.00	3.00	80.40
Root crops	34095	4634	13.59	6,199.00	794.00	12.81	6,801.00	974.00	14.32
Beetroot	186	103	55.57	60.00	34.00	57.12	66.00	38.00	58.38
Carrot	89	37	42.05	38.00	24.00	63.10	53.00	35.00	65.75
Onion	3563	1002	28.13	2,206.00	559.00	25.33	2,739.00	767.00	27.99
Potatoes	27565	4490	16.29	1,665.00	432.00	25.96	1,486.00	393.00	26.42
Garlic	1360	246	18.12	1,050.00	148.00	14.06	1,211.00	172.00	14.24
Taro 'Godere'	356	237	66.48	402.00	166.00	41.43	575.00	246.00	42.80
Sweet potatoes	976	241	24.66	778.00	218.00	28.06	671.00	220.00	32.72
Other Temporary	3084	577	18.71	6,850.00	2,416.00	35.27	7,752.00	2,949.00	38.04
Fruit crops									
Avocado									
Bananas									
Guava									
Lemons									
Mangoes									
Oranges									
Papayas									
Pineapples									
Stimulant Crops									
Chat									
Coffee									
Hops / 'Gesho'									
Enset									
Sugar cane									
Other permanent									

APPENDIX II (cont'd)

Crop	UREA+DAP						INDIGENOUS SEED		
	Area (ha)			Quantity (qt)			Area (ha)		
	Estimate	S.E	C.V	Estimate	S.E	C.V	Estimate	S.E	C.V
All	3,098,991.00	93,160.00	3.01	4,192,696.00	139,598.00	3.33	13,107,107.00	174,392.00	1.33
Cereals	2,844,818.00	87,131.00	3.06	3,796,657.00	128,048.00	3.37	8,808,021.00	136,087.00	1.55
Teff	1,151,018.00	56,499.00	4.91	1,284,839.00	74,944.00	5.83	2,691,805.00	76,682.00	2.85
Barley	169,445.00	13,728.00	8.10	209,703.00	16,874.00	8.05	1,010,040.00	45,481.00	4.50
Wheat	646,366.00	36,888.00	5.71	957,465.00	58,908.00	6.15	1,556,904.00	66,801.00	4.29
Maize	669,087.00	36,139.00	5.40	1,146,601.00	64,267.00	5.60	1,339,298.00	40,194.00	3.00
Sorghum	122,535.00	13,521.00	11.03	112,256.00	12,226.00	10.89	1,710,774.00	69,384.00	4.06
Finger millet	80,006.00	8,615.00	10.77	77,319.00	8,816.00	11.40	431,172.00	24,898.00	5.77
Oats / 'Aja'	1,700.00	365.00	21.49	2,324.00	511.00	22.00	26,514.00	3,330.00	12.56
Rice	4,660.00	1,960.00	42.06	6,149.00	3,088.00	50.22	41,513.00	16,550.00	39.87
Pulses	67,416.00	4,861.00	7.21	91,313.00	7,783.00	8.52	1,854,034.00	51,021.00	2.75
Horse/Faba beans	21,467.00	2,007.00	9.35	29,751.00	2,953.00	9.92	572,369.00	22,816.00	3.99
Field Peas	12,661.00	1,867.00	14.74	14,374.00	2,260.00	15.72	255,718.00	12,351.00	4.83
Haricot beans	16,352.00	2,430.00	14.86	29,712.00	5,591.00	18.82	363,080.00	22,322.00	6.15
Chick peas	2,689.00	807.00	30.00	2,286.00	756.00	33.07	236,962.00	18,158.00	7.66
Lentils	7,154.00	1,551.00	21.68	7,510.00	1,910.00	25.43	123,012.00	12,011.00	9.76
Vetch / Grass peas	1,286.00	377.00	29.30	1,431.00	496.00	34.66	205,374.00	17,891.00	8.71
Soya beans	1,032.00	617.00	59.73	697.00	295.00	42.32	31,446.00	8,017.00	25.49
Fenugreek	4,264.00	916.00	21.47	4,578.00	1,137.00	24.84	32,903.00	5,194.00	15.79
Gibto	510.00	168.00	32.95	975.00	292.00	29.98	33,170.00	6,433.00	19.39
Oilseeds	47,888.00	7,529.00	15.72	60,459.00	6,285.00	10.40	817,046.00	53,058.00	6.49
Neug	657.00	227.00	34.59	1,079.00	394.00	36.55	303,620.00	23,061.00	7.60
Linseed	1,794.00	357.00	19.93	1,757.00	339.00	19.27	127,472.00	9,917.00	7.78
Groundnuts	8,171.00	3,823.00	46.78	7,629.00	3,111.00	40.78	90,087.00	12,877.00	14.29
Safflower	1,415.00	459.00	32.44	2,658.00	817.00	30.73	11,414.00	1,945.00	17.04
Sesame	18,743.00	6,103.00	32.56	10,570.00	2,510.00	23.74	238,735.00	45,779.00	19.18
Rapeseed	17,109.00	2,106.00	12.31	36,765.00	4,728.00	12.86	45,718.00	3,528.00	7.72
Vegetables	70,003.00	12,410.00	17.73	130,941.00	25,333.00	19.35	191,223.00	15,214.00	7.96
Lettuce	3.00	2.00	78.62	5.00	4.00	74.17	64.00	16.00	24.79
Head cabbage	419.00	132.00	31.41	731.00	240.00	32.78	2,908.00	355.00	12.22
Ethiopian cabbage	461.00	110.00	23.85	928.00	220.00	23.66	34,725.00	1,662.00	4.79
Tomatoes	2,608.00	1,187.00	45.50	13,645.00	10,428.00	76.42	6,516.00	1,439.00	22.09
Green peppers	611.00	245.00	40.04	728.00	278.00	38.23	10,583.00	2,759.00	26.07
Red peppers	65,868.00	12,342.00	18.74	114,880.00	22,992.00	20.01	136,148.00	14,877.00	10.93
Swiss chard	33.00	31.00	95.13	25.00	22.00	87.65	279.00	111.00	39.64
Root crops	27,945.00	4,503.00	16.11	49,547.00	8,223.00	16.60	201,539.00	9,391.00	4.66
Beetroot	84.00	34.00	40.99	124.00	56.00	45.30	1,710.00	201.00	11.74
Carrot	81.00	33.00	41.12	114.00	48.00	42.16	1,007.00	239.00	23.73
Onion	8,780.00	2,584.00	29.43	17,748.00	5,727.00	32.27	20,594.00	3,687.00	17.90
Potatoes	13,462.00	3,456.00	25.67	22,118.00	5,441.00	24.60	74,640.00	7,365.00	9.87
Garlic	3,966.00	1,004.00	25.31	7,005.00	1,886.00	26.92	21,170.00	2,351.00	11.11
Taro 'Godere'	166.00	71.00	42.65	259.00	98.00	37.67	41,260.00	2,592.00	6.28
Sweet potatoes	1,407.00	313.00	22.25	2,178.00	512.00	23.50	41,158.00	2,880.00	7.00
Other Temporary	8,167.00	1,485.00	18.18	14,400.00	3,780.00	26.25	117,053.00	10,349.00	8.84
Fruit crops							60,725.00	5,316.00	8.75
Avocado							8,623.00	688.00	7.98
Bananas							35,877.00	4,474.00	12.47
Guava							1,322.00	167.00	12.62
Lemons							747.00	156.00	20.82
Mangoes							8,661.00	838.00	9.67
Oranges							2,980.00	398.00	13.34
Papayas							2,298.00	235.00	10.21
Pineapples							216.00	65.00	30.25
Stimulant Crops							704,702.00	35,039.00	4.97
Chat							173,173.00	10,119.00	5.84
Coffee							508,738.00	33,090.00	6.50
Hops / 'Gesho'							22,791.00	2,123.00	9.32
Enset							318,132.00	13,110.00	4.12
Sugar cane							22,379.00	2,784.00	12.44
Other permanent							12,254.00	1,217.00	9.93

APPENDIX II (cont'd)

Crop	INDIGENOUS SEED			IMPROVED SEED					
	Quantity (qt)			Area (ha)			Quantity (qt)		
	Estimate	S.E	C.V	Estimate	S.E	C.V	Estimate	S.E	C.V
All	9,849,983.00	211,796.00	2.15	832649	39968	4.80	342386	18205	5.32
Cereals	7,587,434.00	180,593.00	2.38	792946	39427	4.97	332589	17592	5.29
Teff	1,371,869.00	42,056.00	3.07	38400	4802	12.51	13730	1594	11.61
Barley	1,785,428.00	85,487.00	4.79	8713	3431	39.38	17226	5728	33.25
Wheat	3,072,238.00	143,841.00	4.68	70743	6442	9.11	128932	12708	9.86
Maize	584,106.00	17,534.00	3.00	673747	38490	5.71	172104	9852	5.72
Sorghum	458,955.00	18,930.00	4.12	711	208	29.26	152	50	32.7
Finger millet	199,468.00	12,602.00	6.32	335	157	47.02	103	54	52.31
Oats / 'Aja'	38,122.00	4,699.00	12.33	-	-	-	-	-	-
Rice	77,248.00	39,761.00	51.47	298	277	92.71	342	239	69.9
Pulses	2,023,016.00	66,058.00	3.27	9411	1873	19.9	9027	1968	21.8
Horse/Faba beans	769,654.00	36,232.00	4.71	1691	548	32.41	2666	1047	39.29
Field Peas	286,445.00	15,809.00	5.52	251	167	66.4	359	299	83.27
Haricot beans	298,446.00	22,928.00	7.68	3797	1418	37.34	2353	1043	44.31
Chick peas	262,818.00	24,193.00	9.21	2550	889	34.87	3024	1120	37.05
Lentils	108,709.00	11,002.00	10.12	707	412	58.32	373	267	71.57
Vetch / Grass peas	233,070.00	22,611.00	9.70	-	-	-	-	-	-
Soya beans	27,945.00	7,309.00	26.16	409	193	47.28	252	151	59.95
Fenugreek	18,964.00	3,297.00	17.39	6	6	99.66	1	1	99.66
Gibto	16,966.00	3,767.00	22.20	-	-	-	-	-	-
Oilseeds	239,533.00	14,927.00	6.23	1404	606	43.14	770	395	51.36
Neug	58,550.00	6,092.00	10.41	8	8	104	20	18	92.92
Linseed	66,155.00	6,796.00	10.27	411	344	83.71	391	346	88.31
Groundnuts	60,453.00	9,697.00	16.04	69	65	94.45	43	32	74.25
Safflower	2,288.00	538.00	23.51	-	-	-	-	-	-
Sesame	37,328.00	5,214.00	13.97	798	492	61.71	317	189	59.61
Rapeseed	14,759.00	4,959.00	33.60	119	44	37.43	-	-	-
Vegetables	-	-	-	1331	326	24.51	-	-	-
Lettuce	-	-	-	11	9	81.67	-	-	-
Head cabbage	-	-	-	141	37	26.3	-	-	-
Ethiopian cabbage	-	-	-	66	32	47.96	-	-	-
Tomatoes	-	-	-	720	276	38.33	-	-	-
Green peppers	-	-	-	5	2	37.14	-	-	-
Red peppers	-	-	-	356	164	46.09	-	-	-
Swiss chard	-	-	-	31	18	59.07	-	-	-
Root crops	-	-	-	2418	551	22.78	-	-	-
Beetroot	-	-	-	86	25	29.02	-	-	-
Carrot	-	-	-	126	54	42.49	-	-	-
Onion	-	-	-	1271	472	37.13	-	-	-
Potatoes	-	-	-	294	92	31.31	-	-	-
Garlic	-	-	-	88	57	64.54	-	-	-
Taro 'Godere'	-	-	-	77	34	44.4	-	-	-
Sweet potatoes	-	-	-	476	254	53.29	-	-	-
Other Temporary	-	-	-	1115	733	65.81	-	-	-
Fruit crops									
Avocado									
Bananas									
Guava									
Lemons									
Mangoes									
Oranges									
Papayas									
Pineapples									
Stinulant Crops									
Chat									
Coffee									
Hops / 'Gesho'									
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
All	2772021	96025	3.46	151645	14780	9.75	2900272	97800	3.37
Cereals	2604946	93417	3.59	61517	6988	11.36	2548489	88181	3.46
Teff	1115628	50944	4.57	6179	1126	18.22	665536	40044	6.02
Barley	244536	22419	9.17	2650	687	25.94	196528	18045	9.18
Wheat	846113	54846	6.48	5692	1165	20.47	498483	38763	7.78
Maize	109889	18468	16.81	28225	4620	16.37	847261	43880	5.18
Sorghum	163975	21544	13.14	17804	3875	21.76	174734	17055	9.76
Finger millet	109484	12631	11.54	939	370	39.44	153418	16850	10.98
Oats / 'Aja'	14356	2593	18.07	17	13	76.42	6724	2130	31.68
Rice	965	459	47.63	11	11	96.57	5806	2800	48.22
Pulses	110225	16875	15.31	4537	806	17.77	149062	11479	7.7
Horse/Faba beans	21841	3784	17.32	1593	480	30.13	60606	6191	10.22
Field Peas	11798	2160	18.31	37	18	48.14	18214	2793	15.33
Haricot beans	7074	2428	34.32	1317	471	35.79	44034	8095	18.38
Chick peas	31104	7637	24.55	635	312	49.12	7029	1354	19.27
Lentils	23393	8585	36.7	344	184	53.49	4738	942	19.88
Vetch / Grass peas	14181	5551	39.14	129	65	49.86	7803	1789	22.93
Soya beans	52	37	71.95	64	53	82.56	2467	1403	56.87
Fenugreek	633	273	43.11	181	69	37.91	2158	516	23.89
Gibto	149	126	84.39	236	167	70.75	2012	524	26.05
Oilseeds	9129	1570	17.2	2244	1004	44.76	71156	8684	12.2
Neug	567	234	41.29	384	218	56.7	6840	2137	31.23
Linseed	6087	1320	21.68	61	27	43.42	7252	2987	41.19
Groundnuts	68	59	86.39	1158	949	81.93	13400	4337	32.36
Safflower	452	195	43.04	3	2	75.76	1142	488	42.76
Sesame	1705	760	44.59	460	234	50.88	20803	5998	28.83
Rapeseed	250	100	40.14	176	66	37.21	21719	2383	10.97
Vegetables	7175	1500	20.91	10013	2374	23.71	47472	10449	22.01
Lettuce	2	2	95.36	15	9	62.33	3	1	52.69
Head cabbage	151	57	37.92	489	117	24.01	380	91	24.06
Ethiopian cabbage	291	108	37.11	580	156	26.96	1004	272	27.06
Tomatoes	2364	963	40.72	3673	1262	34.35	1956	785	40.12
Green peppers	207	159	76.55	2960	1850	62.48	409	106	26.04
Red peppers	4043	1069	26.44	2236	576	25.75	43698	10416	23.84
Swiss chard	116	102	88.07	60	31	51.09	22	15	67.07
Root crops	23774	4696	19.75	18522	3512	18.96	30308	4494	14.83
Beetroot	40	35	86.56	100	28	28.5	130	43	33.13
Carrot	6	4	66.89	271	90	33.08	265	109	41.12
Onion	8351	3033	36.32	9123	3164	34.68	7031	3042	43.26
Potatoes	13766	3492	25.37	3221	867	26.92	16890	3058	18.1
Garlic	1429	412	28.81	2024	344	16.99	3472	870	25.06
Taro 'Godere'	175	157	89.99	33	16	46.86	763	357	46.74
Sweet potatoes	7	5	81.87	3750	1084	28.9	1756	437	24.87
Other Temporary	4086	1457	35.67	4025	1873	46.54	8736	1680	19.24
Fruit crops	108	49	45.39	10800	4617	42.75	1810	540	29.84
Avocado	6	4	58.73	173	54	31.21	68	19	27.83
Bananas	42	30	70.72	7731	4064	52.56	920	422	45.85
Guava	3	2	65.82	476	114	24.01	214	89	41.42
Lemons	9	6	71.35	207	50	24.08	23	14	59.93
Mangoes	6	3	51.67	1090	508	46.59	222	82	36.81
Oranges	42	37	89.07	576	124	21.46	129	51	39.74
Papayas	-	-	70.9	547	201	36.66	233	190	81.74
Pineapples	-	-	-	-	-	-	-	-	-
Stimulant Crops	10206	1555	15.24	30838	4185	13.57	37723	4390	11.64
Chat	8166	1311	16.06	22276	3455	15.51	24075	3093	12.85
Coffee	2040	755	37	8562	1786	20.86	13648	2775	20.33
Hops / 'Gesho'	549	174	31.62	2174	291	13.39	2197	296	13.48
Enset	1350	642	47.54	970	331	34.09	-	-	-
Sugar cane	97	84	85.69	5159	1703	33.01	974	420	43.11
Other permanent	375	265	70.64	846	235	27.81	618	170	27.5

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 2012/13 (2005 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	25	500	500
	Region Total	**162**	**159**	**3240**	**3179**
Afar	Zone One	30	28	600	836
	Zone Three	20	21	400	596
	Region Total	**50**	**46**	**1000**	**899**
Amhara	North Gonder	49	49	980	977
	South Gonder	45	45	900	900
	North Wello	46	46	920	915
	South Wello	49	49	980	979
	North Shewa	47	46	940	919
	East Gojam	47	47	940	939
	West Gojam	46	45	920	900
	Wag Hemira	29	29	580	580
	Awi	32	32	640	640
	Oromia	28	28	560	559
	Argoba special wereda	20	20	400	400
	Region Total	**438**	**432**	**8760**	**8634**
Oromia	West Wellega	43	43	860	860
	East Wellega	40	40	800	798
	Illubabor	48	48	960	960
	Jimma	47	47	940	940
	West Shewa	44	44	880	875
	North Shewa	39	39	780	778

Appendix III(a)…*(Cont'd)*

Region	Stratum	Enumeration Areas		Households	
	Zone/Sp.wereda	**Planned**	**Covered**	**Planned**	**Covered**
Oromia	East Shewa	40	39	800	779
	Arsi	53	53	1060	1,060
	West Harerghe	41	41	820	817
	East Harerghe	48	48	960	959
	Bale	44	43	880	858
	Borena	37	37	740	735
	South West Shewa	38	38	760	758
	Guji	38	38	760	759
	Kelem Wellega	39	39	780	778
	Horoguduru Wellega	36	36	720	719
	West Arsi	37	36	740	718
	Region Total	**712**	**709**	**14240**	**14151**
Somali	Shinile	20	20	400	393
	Jijiga	28	28	560	556
	Liben	24	22	480	425
	Region Total	**72**	**72**	**1440**	**1426**
Benishangul-Gumuz	Metekel	30	30	600	600
	Asosa	26	26	520	520
	Kemashi	20	20	400	418
	Mao Komo special wereda	20	20	400	398
	Region Total	**96**	**93**	**1920**	**1859**
SNNP	Guraghe	41	39	820	777
	Hadiya	33	33	660	659
	Kembata_Tambaro	33	33	660	660
	Sidama	45	45	900	895
	Gedeo	34	33	680	658
	Wolayita	39	39	780	778

APPENDIX III (a)…*(Cont'd)*

Region	Stratum	Enumeration Areas		Households	
	Zone/Sp.wereda	Planned	Covered	Planned	Covered
SNNP	South Omo	36	35	720	688
	Shaka	24	24	480	477
	Keffa	37	37	740	739
	Gamo_Gofa	42	41	840	817
	Bench_Maji	36	36	720	719
	Yem Specia Wereda	20	20	400	400
	Segen Peoples	40	40	800	797
	Dawro	32	32	640	638
	Basketo Special Wereda.	20	20	400	395
	Konta Special Wereda.	20	20	400	399
	Siltie	30	30	600	600
	Alaba Special Wereda.	20	20	400	400
	Region Total	**582**	**577**	**11640**	**11496**
Gambela	Agnuak	24	21	480	627
	Nuer	18	19	360	569
	Mejenger	20	20	400	598
	Etang	18	10	360	300
	Region Total	**80**	**67**	**1600**	**1599**
Harari	**Harari**	**24**	**24**	**480**	479
Dire Dawa	**Dire Dawa**	**24**	**24**	**480**	480
Country Total		**2280**	**2236**	**45600**	**44871**

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

Region	**Zone**	Parcels	Fields
Tigray	North West Tigray	1,896	4,353
	Central Tigray	2,430	7,729
	Eastern Tigray	1,655	5,912
	Southern Tigray	3,098	5,834
	Western Tigray	1,243	2,851
Regional Total		10,322	26,679
Afar	zone one	1,457	2,153
	Zone Three	717	942
Regional **Total**		2,174	3,095
Amahara	North Gondor	4,625	9,497
	South Gondor	5,090	10,357
	North Wello	4,660	10,304
	South Wello	6,235	12,554
	North Shoa	5,389	13,684
	East Gojam	4,387	9,599
	West Gojam	4,497	9,769
	Waghmra	2,628	4,827
	Awi	2,782	6,745
	Oromia	1,556	4,096
	Argoba Special	1,453	2,804
Regional Total		43,302	94,236
Oromia	West Wellega	5,556	14,696
	East Wellega	3,940	11,578
	Iluababora	3,836	12,830
	Jimma	3,619	15,543
	West Shoa	4,010	10,649
	Noth Shoa	4,650	9,469
	East Shoa	3,439	7,060
	Arsi	4,336	11,089
	West harerge	2,223	7,528
	East Harerge	3,525	8,958
	Bale	3,135	7,679
	Borena	1,419	4,641
	South West Shoa	3,086	10,711
	Gugi	1,590	5,146
	West Arsi	2,039	7,295
	Kelem Welega	4,244	11,081
	horogudru welega	3,450	10,213
Regional Total		58,097	166,166

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

Region	**Zone**	Parcels	Fields
Somali	Shinle	653	1,522
	Jijiga	1,150	2,500
	Liben	717	1,529
Regional Total		2,520	5,551
Benshangul Gumuz	Metekel	1,865	3,761
	Assosa	1,720	4,062
	Kamashi	1,176	2,873
	Mao-Komo	1,363	4,508
Regional Total		6,124	15,204
SNNP	Guragie	1,579	10,677
	Hadiya	1,340	10,185
	Kenbata Tenbaro	1,236	10,547
	Sidama	1,592	8,288
	Gedeo	1,912	5,440
	Wolayita	1,512	14,698
	South Omo	1,704	5,927
	Sheka	1,368	5,972
	Kaffa	1,749	10,390
	Gamo-Goffa	2,538	10,967
	Bench-Magi	1,929	8,944
	Yem Special	1,659	9,663
	Dawro	1,056	9,503
	Basketo	834	6,726
	Konta	568	7,046
	Silte	1,395	8,213
	Alaba Special	981	5,170
	Segen Peoples	2,375	7,319
Regional Total		27,327	155,675
Gambella	Agnwak	1,087	3,055
	Nuwer	1,272	1,921
	Mezengr	1,475	4,638
	Itang Special	811	1,219
Regional Total		4,645	10,833
Harari Region	Harari	1,877	3,573
Dire Dawa Administration	Dire Dawa	1,512	3,346
Country Total		157,900	484,358

APPENDIX IV

SURVEY QUESTIONNAIRE

Form AgSS 2005/2A

CENTRAL STATISTICAL AUTHORITY
ETHIOPIAN AGRICULTURAL SAMPLE SURVEY 2010/2011 (2005 EC)

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

PART 3A: RESULTS OF AREA MEASUREMENTS using GPS

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

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

18	19	20	21	22	23	24	25	26
Is the field measured?		Yes =1		No = 2	Code	→		
Side	1 - 2	2 - 3	3 -	4 -	5 -	6 -	7 -	8 -
Bearing (0)								
Length								
Side	9 -	10 -	11 -	12 -	13 -	14 -	15 -	16 -
Bearing(0)								
Length								
Side	17 -	18 -	19 -	20 -	21 -	22 -	23 -	24 -
Bearing (0)								
Length								
Side	25 -	26 -	27 -	28 -	29 -	30 -	31 -	32 -
Bearing (0)								
Length								
Field Measurement	date	month	**Closure error**		Area in square meters			

For fields selected	Selected corner number		Shortest side length		Random number		
For crop cutting	Shortest side Bearing		Longest side length		Random number		

	Name	**Signature**	**Date**
Data collector			
Field Supervisor			

Form AgSS2005/2B

CENTRAL STATISTICAL AUTHORITY

ETHIOPIAN AGRICULTURAL SAMPLE SURVEY 2012/13 (2005 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 holing? Yes = 1 No = 2		
2	Reason for not using chemical fertilizers on any one of your crop fields Ignorance = 1 High price = 2 Lack of Money = 3 Non – availability of supply = 4 lack of credit service =5 Skeptical of the outcome = 6 Others (specify) = 7		
3	Reason for not participating in Extension Program Ignorance = 1 Lack of Money = 2 Skeptical of the outcome = 3 Non – availability of the program = 4 Lack of adequate crop fields = 5 Others (specify) = 6		
4	Do you get credit services? Yes = 1 No = 2		
5	If no in # 4 Why? Non availability of the service = 1 Unable to pay the loan = 2 Inadequate services provided = 3 Ignorance = 4 Does not yield any results = 5 Others = 6		
6	Do you get advisory services? Yes = 1 No = 2		
7	If no in # 6 Why? Non availability of the service = 1 Inadequate services provided = 2 Inadequate services provided = 2 Ignorance = 3 Does not yield any results = 4 Others = 5		
8	Your major supplier of fertilizer is Government organizations = 1 Private organizations = 2 Merchants = 3 Others (Specify) = 4 Never used fertilizer = 5		
9	Total Chemical fertilizers (Urea+Dap) purchased for main season in 2005 E.c (it includes gifts, loans, supports)	Killo	gram
9.1	Total Dap fertilizers purchased for main season in 2005 E.c (it includes gifts, loans, supports)		
9.2	Total Urea fertilizers purchased for main season in 2005 E.c (it includes gifts, loans, supports)		
10	How many oxen do you have in this Meher season?		
11	If you have one or no ox how do you plough? By renting ox = 1 By pairing mine with someone's ox = 2 By pairing mine with cow/ horse =3 Using horses or cows = 4 Hand digging = 5 Using borrowed oxen = 6 others = 7		
12	Total number of fields recorded for the holder		
13	Total number of crop fields recorded for the holder		
14	Has the holder ploughed additional fields over that of the previous year? Yes =1 No = 2		
15	If yes in question # 13, what was the previous state of the additional fields? Holder's virgin land = 1 Public/ Community virgin land = 2 Borrowed fallow land = 3 Other = 4		