PROVISIONAL MILITARY GOVERNMENT OF ETHIOPIA

CENTRAL STATISTICAL OFFICE

RESULTS OF THE NATIONAL SAMPLE SURVEY

SECOND ROUND

VOLUME V

LAND AREA AND UTILIZATION

ADDIS ABABA, FEBRUARY 1975

10 STATISTICAL BULLETIN 10

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Introduction: This volume of the second round National Sample Survey of Ethiopia deals with land area and utilization. It attempts to give insights into cropping patterns, sizes of cultivated area and fields, locations, reasons for no further expansion in cropped area etc. Conceptually, it included all fields operated, irrespective of ownership, by a household during the reference period, which was the most recently completed agricultural year at the time of the survey. It excluded all land which was left fallow during the entire year, land used for pasture, for the growing of wood only, or for any purpose other than the growing of crops.

The data was gathered from a 1% sample of rural households. Land measurement was done on the fields of one-third of the sample households. The sample design and the estimation procedure used in the survey is given in Annex 1. The survey dates for each of the thirteen provinces (Eritrea excluded) are shown in Annex 2. For those interested in area coverage of the survey, areas not surveyed during the two rounds of the National Sample Survey are listed in Annex 3. Annex 4 is the "Land Area and Utilization" schedule used in this particular survey. Finally, Annex 5 is the "Field Area Measurement" schedule used in cases where the measurement of fields of 1/3 of the sample households was done.

There were several shortcomings with respect to the information sought on land area and utilization. Eventhough it was difficult to quantify, it was obvious that the number of fields were underreported in some instances. This was partly due to an oversight on the part of the farmers and partly due to a deliberate attempt not to reveal all the fields. Secondly, all the fields belonging to the households for which land measurement was to be done were not measured, because some fields were reported to have been far away from the sub-division in which the survey was being conducted.

Field measurement was a laborious process, and inspite of the measurements and readings of the bearings of each angle, in some cases, the figures did not close when drawn to scale on schedule 12. This meant re-doing the whole thing all over again if the deviation was more than 5 meters in actual distance. In the southern parts of the country land measurement was rendered even more difficult because of the bushy and forested nature of the region. All these had contributed negatively to the estimate of total cultivated area per farming household or to the estimate of total cultivated area under different crops in an awraja or province.

The details on land area and utilization are presented in 12 tables for each of the thirteen provinces under study. (See list of these tables on Page II). Summary provincial comparisons and observations on the contents of each of the tables were done in the following paragraphs.

SUMMARY Table 1. Average Area of Local Land Measurement Units[1]

One of the serious problems encountered in agriculture surveys in Ethiopia is the prevalence of numerous local land measurement units. Not only that there are different units within any geographical region, but there are variations in the sizes of any one of these units. For example, a unit of land area called "Timad" is defined as the area of land ploughed in a working day by a team of oxen. But it is evident that such a size is dependent on many factors such as the type of soil, topography, the hours of work, the conditions of the type of farm implements used and the stamina and condition of oxen engaged. Therefore, in order to come out with an estimate of the metric equivalents of local land measurement units, all the fields belonging to one-third of the sample households were measured with the help of chain and compass. In some cases, where some fields belonging to the sample households were known to be far away from the enumeration area, measurements were not done. Instead, the sizes of such fields were recorded in local measurement units and treated in the same way as fields belonging to the other two-thirds of the households for analytical purposes. Thus the square meter equivalents of the various local area measurements were obtained on the basis of objective measurements of the fields of one-third of the sample households.

An area unit may be referred to by the use of different names depending on the region or the languages spoken. For example, units like "timad", "olcha", "senga", "oli", "Eka-Bere", "messa", "chemedi", etc. refer to the same area measurement, i.e. the area ploughed with the help of a team of oxen in a work day.

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(1) For the same information see Metric Equivalents of Local Area and Production Units (2nd Round National Sample Survey), Statistical Bulletin No. 7. CSO. Addis Ababa, April 1972. PP. 3-21.

Table 2. Distribution of Fields by Size

Table 2 shows the distribution of fields by size in each province. A field was defined as a continuous piece of land usually used for one crop at a time. According to these distributions, big sized fields were found in the provinces of Arussi, Bale and Begemdir & Semien. In these provinces, fields of less than half a hectare made up 49.4%, 58.9% and 59.7% of the total estimated number of fields respectively. On the other hand, the smallest size fields were found in the provinces of Sidamo and Keffa, where fields of less than half a hectare made up 94.1% and 92.2% of the total fields respectively. In the rest of the provinces it was found out that the distribution of fields of less than half a hectare ranged from 66.3% of the fields in Hararge province to 87.7% in Wollo province. It is evident that one of the determinant factors in the size of fields is the cultural practices of the agriculture of a region. Thus where hoe-culture dominates, the size of fields tend to be smaller compared to provinces where draft animals are extensively used in farming.

Table 3. Gross Area Sown Under Selected Crops

Table 3 shows the gross area sown under selected crops in the surveyed awrajas of the provinces. The reference period for the survey was the most recently completed agricultural year at the time of the survey. Since multiple cropping is practiced in parts of Ethiopia, the concept of "gross area" sown or planted has a direct implication on estimates of the agricultural production of a given year as well as on potential agricultural production of the country for a given level of agricultural technology. Thus, the gross area sown in a given year is distinguishable from the net area sown.

According to the findings presented in these tables, barley had the largest gross area estimates in the provinces of Arussi & Bale. Maize was largest in Gemu Goffa, Illubabor, Keffa and Wollega. Teff was the most important crop in Shoa, Begemdir & Semien, Gojam & Tigre. Hararge and Wollo showed highest estimates of gross area for sorghum. It is interesting to note that Sidamo's estimate of highest gross area under crops was for enset.

The three most important crops in a descending order of importance in each province in terms of gross acreages were:

1) Barley, wheat and maize — in Arussi province
2) Barley, wheat and maize — in Bale province
3) Teff, sorghum and barley — in Begemdir & Semien province
4) Maize, sorghum and teff — in Gemu Goffa province
5) Teff, African Millet (dagussa) and barley — in Gojam province
6) Sorghum, maize and chat — in Hararge province
7) Maize, teff and sorghum — in Illubabor province
8) Maize, teff and coffee — in Keffa province
9) Teff, barley and wheat — in Shoa province
10) Enset, maize and coffee — in Sidamo province
11) Teff, sorghum and barley — in Tigre province
12) Maize, teff and sorghum — in Wollega province
13) Sorghum, teff and barley — in Wollo province.

In tables I, II and III are presented provincial summaries of the gross area sown under selected cereal, pulse, oil and tree crops.(2) According to the summary for the thirteen provinces, teff was by far the most important cereal in terms of gross area sown followed by barley and sorghum. Horse-beans was the dominant pulse, followed by field peas and chick peas. Among the oil seeds, niger seed (neug) was the most important. Coffee was the most important tree crop. However forest coffee, to the extent it existed in the surveyed areas, was not included in the estimate.

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(2) The figures presented in these tables show the total acreage estimates of surveyed areas only. The reader is referred to Annex 3 for areas not covered during this survey.

TABLE - I

GROSS AREA SOWN UNDER SELECTED CEREAL CROPS BY PROVINCE (HECTARES)

PROVINCE	TEFF	BARLEY	SORGHUM	MAIZE	WHEAT	MILLET (DAGUSSA)	WASERA (BARLEY & WHEAT)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
ARUSSI	29,255	203,593	21,249	42,315	68,107	-	-
BALE	15,185	77,709	524	26,083	35,263	-	-
BEGEMDIR & SEMIEN	214,246	71,228	76,627	7,893	28,497	45,043	13,081
GEMU GOFFA	20,278	13,497	29,779	40,746	4,976	244	-
GOJAM	132,779	40,759	34,724	13,044	17,842	47,100	-
HARARGE	18,315	8,676	244,115	60,623	4,369	124	135
ILLUBABOR	31,911	5,333	23,794	82,575	1,740	4,082	-
KEFFA	49,254	10,075	17,523	59,557	5,582	2,779	60
SHOA	312,116	228,784	110,905	153,582	174,120	-	-
SIDAMO	8,789	15,344	5,585	49,865	1,281	-	-
TIGRE	52,444	33,181	49,907	6,769	28,654	29,274	4,108
WOLLEGA	122,941	28,606	40,277	130,671	4,429	30,247	-
WOLLO	54,323	39,162	64,107	13,136	13,706	-	138
TOTAL	1,061,836	775,947	719,116	686,859	388,566	158,893	17,522

TABLE - II

GROSS AREA SOWN UNDER SELECTED PULSE CROPS BY PROVINCE (HECTARES)

PROVINCE	HORSE BEANS	PEAS	CHICK PEAS	LENTILS	HARICOT BEANS	LENTIL (GUAYA)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
ARUSSI	10,539	13,905	2,806	345	2,322	9
BALE	1,557	11,277	33	22	-	-
BEGEMDIR & SEMIEN	25,655	27.985	42,697	2,762	2,240	861
GEMU GOFFA	1,263	815	228	101	1,028	376
GOJAM	14,873	9,535	1,224	679	-	2,736
HARARGE	3,271	3,144	11	125	3,081	69
ILLUBABOR	3,841	9,786	102	-	9	-
KEFFA	5,999	4,542	10	-	444	45
SHOA	105,858	55,363	65,892	18,239	6,463	9,471
SIDAMO	683	1,150	-	-	3,872	-
TIGRE	7,049	3,559	16,338	1,029	270	2,396
WOLLEGA	7,871	7,922	3,191	3	2,548	33
WOLLO	12,086	10,465	3,413	2,776	1,216	1,204
TOTAL	200,545	159,448	135,945	26,081	23,493	17,200

TABLE - III

GROSS AREA SOWN UNDER SELECTED OIL AND TREE CROPS BY PROVINCE (HECTARES)

PROVINCE	NIGER SEED (NEUG)	LINSEED	SESAME	GROUND NUTS	ENSET	COFFEE	CHAT	GESHO
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
ARUSSI	632	17,382	-	-	363	1,781	573	333
BALE	333	9,187	-	-	2,204	2	-	-
BEGEMDIR & SEMIEN	19,078	1,203	5,509	-	-	-	-	-
GEMU GOFFA	-	1	-	-	7,379	7,193	-	65
GOJAM	18,490	6,324	166	-	-	111	-	-
HARARGE	-	45	-	1,474	-	25,207	26,864	60
ILLUBABOR	533	-	99	-	1,134	14,003	-	-
KEFFA	68	-	-	-	10,087	20,028	291	-
SHOA	15,982	2,689	-	-	81,747	1,501	55	6,010
SIDAMO	-	-	-	-	63,897	41,818	-	-
TIGRE	2,267	3,259	4,771	-	-	-	-	-
WOLLEGA	15,703	731	418	-	60	34,468	-	-
WOLLO	81	1,188	-	-	-	-	1	3
TOTAL	73,167	42,009	10,963	1,474	166,871	146,112	27,784	6,471

Table 4. Total Cultivated Area

Total cultivated area was defined in the survey as the net area sown to different crops. Distinction was made between total cultivated area inside the subdivisions and outside the subdivisions.(3) Accordingly, in the northern provinces, where land is owned communally and where the size of subdivisions are much smaller, the percentage of total cultivated area outside the subdivisions was much higher than in the southern provinces where, generally speaking, subdivisions are much larger. Thus, in Begemdir & Semien, Gojam, Tigre and Wollo the figures were 27.7%, 12.1%, 19.2% and 14.8% respectively. The corresponding figures in Arussi, Hararge, Illubabor and Shoa were 8.7%, 4.9%, 1.9%, and 7.6% respectively.

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(3) A subdivision was defined as the smallest administrative area unit treated as the primary sampling unit or the enumeration area.

Table 5. Average Cultivated Area Per Household and Average Size of Field

The concept of "operational holding " or "size of holding" is not very meaningful under Ethiopian conditions. Even in the areas of the country where land is privately owned, pieces of land are communally utilized. This is particularly true for grazing areas. It is impossible, in a survey context, to apportion areas used for grazing, fire-wood collection etc. into the different holdings so as to come up with estimates of internationally accepted definition of size of holdings. On the other hand, the exclusion of these will definitely understate the estimate of size of holdings. Therefore, in this survey, the concept of the size of holding was restricted to the estimate of cultivated area per holding. Accordingly, the estimate of cultivated area per farming household was highest in Arussi Province (2.9 hectares) and lowest in Sidamo province (0.5 hectares). This observation has a direct relationship with the size of fields discussed in Table 2. Provinces which tended to have larger size fields also showed larger cultivated area per farming households. However, there did not seem to be any relationship between the average size of cultivated area per farming household and the average number of fields of the same. [compare cols. (6) and (8) of Table 5].

The largest estimate of the number of fields of 3.9 was in Wollega province followed by Keffa with 3.3 fields. On the other hand, the average cultivated area per farming household was 1.4 and 0.7 hectares respectively for these provinces. It seemed to indicate therefore, that the number of fields per farming household in a region depended more on the variety of crops grown rather than the size of the cultivations.

It is interesting to note that the largest proportion of non-farming households was estimated in Tigre province and the lowest in Illubabor province. This was despite the fact that the survey showed the least estimate of tenant households (6%) in Tigre and the highest estimate (77%) in Illubabor.

Table 6. Distribution of Farming Households by Cultivated Area Last Year

The distribution of farming households by size of cultivated area during the most recently completed agricultural year at the survey period also gave a good indication of the average size of operations. Accordingly, the highest percentage of farming households who operated/ cultivated/ more than half a hectare was found in Arussi province (91.4%) while the lowest rate of (36.1%) of the farming households was in Sidamo province.

Table 7. Number of Farming Households by Difference in Cultivated Area Between Last Year and Year Before Last

In table 7 an attempt was made to assess situations of the "extensive margin" of land utilization by comparing conditions that existed during the past two years of the survey period. Such information is an important component in assessing the agricultural production of a country or a region for a given agricultural year. Accordingly, the average net increase or decrease in cultivated area per farming household is presented in this table. Thus, the biggest decrease in cultivated area of 4.71 Sq. meters per farming households was estimated for Wollega province, while the biggest increase of 0.05 Sq. meters was in Illubabor province.

The estimate in the increase or decrease in cultivated area per farming household at the provincial level looked insignificant because the total farming household in the province was taken as the denominator. This was also because the great majority of the farming households in all the provinces did not report any changes in the size of their operations during the reference period. In other words, the increase or decrease in operational sizes would have shown higher figures, if households who did not state their position as to changes in size and those that did not report any changes in their size of holdings were excluded from the calculations.

Table 8. Number of Farming Households by Size and Difference in Cultivated Area Between Last Year and Year Before Last

The information contained in this table is the same as the one presented in table 7 above, except that this shows the size distribution of cultivated areas of farming households with "same", "greater" or "less" size operations for the reference period.

Table 9. Number of Farming Households by Principal Reason for no Further Expansion in Crop Area

A look into the main reasons for no further expansion in crop areas revealed some fundamental problem areas for agricultural policy makers. The lack of market, as the primary reason for no further expansion in cultivated area, was found to be very negligible. By far the most outstanding reason for no further expansion was, the lack of draft animals. Exceptions to this were found in the provinces of Hararge, Shoa, Sidamo, Tigre and Wollo where the non-availability of land was the prime reason. It is a common observation that draft animals are not used extensively in Hararge and Sidamo provinces. This may have been why the lack of draft animals was not reported as the primary reason in these two provinces. In Tigre and parts of Wollo and Shoa provinces where land is communally owned and where subsequently the proportion of owner operators is high the non-availability of land was found to be the primary reason for no further expansion. However, this could justifiably have been so because of population pressure on cultivable area with the given level of technology. Lack of manpower was another important reason for no expansion in cultivated area.

Table 10 shows the distribution of farming households by secondary reasons for no further expansion in crop area. Here again, the distribution showed clearly that the lack of manpower, the lack of draft animals and the non-availability of farm lands were the most important secondary reasons.

Table 11 and 12 give cross classifications of the distribution of size of cultivated area by principal and secondary reasons for no further expansion respectively. A common pattern was observed between the distribution of farming households by reasons for no further expansion in cultivated area, and the size distribution of cultivated land. For example, the hazards of weeds as reason for no expansion was generally related to the size of operations. In other words, more households who stated "weeds" as the reason for no further expansion in crop area fell in the larger size group. In short, weeds became a hinderance to expansion in bigger sized farms.

TABLE - 1

AVERAGE AREAS OF LOCAL LAND MEASUREMENT UNITS

AWRAJA	NAME OF MEASUREMENT UNIT	AVERAGE AREA OF UNIT (SQ. METERS)	NUMBER OF FIELDS MEASURED
(1)	(2)	(3)	(4)
ARBA GUGU	Boy	294	5
	Kert	1163	8
	Ketera	129	1
	Senga (Kotic)	1289	4
	Timad	1428	321
	Guya	1496	4
	Olcha	1090	21
CHILALO	Boy	222	8
	Kert	2024	198
	Koti	5960	1
	Kufaro	198	4
	Timad	1761	582
	Olmia	2372	4
	Tefir	52000	1
	Olcha	2821	6
TICHO	Kert	1151	12
	Timad	1269	326
	Eka Bere	1483	3
	Mide	1280	24
FOR WHOLE PROVINCE	Boy	264	13
	Kert	1963	218
	Timad	1580	1229
	Olcha	1567	27

TABLE - 2

ARUSSI PROVINCE

DISTRIBUTION OF FIELDS BY SIZE FOR PROVINCE

SIZE GROUP (SQ. METERS)	DISTRIBUTION OF FIELDS			
	NUMBER	%	TOTAL AREA (HECTARES)	%
(1)	(2)	(3)	(4)	(5)
UP TO 500	6400	1.4	167	0.0
501 - 1000	10000	2.2	768	0.2
1001 - 2000	54200	11.8	8216	2.0
2001 - 3000	64900	14.2	17115	4.1
3001 - 5000	90700	19.8	35411	8.5
5001 - 7000	66300	14.5	37615	9.1
7001 - 10000	62400	13.6	49577	11.9
10001 - 15000	40200	8.8	48929	11.8
15001 - 20000	17800	3.9	30956	7.4
20001 - 30000	17900	3.9	44072	10.6
30001 - 40000	8900	1.9	30572	7.4
40001 and above	18100	4.0	112080	27.0
TOTAL	457800	100.0	415478	100.0

TABLE - 3

CROSS AREA SOWN UNDER SELECTED CROPS BY AWRAJAS (HECTARES)

CROP	ARBA GUGU		CHILALO		TICHO		FOR WHOLE PROVINCE	
	AREA SOWN	%	AREA SOWN	%	AREA SOWN	%	AREA SOWN	%
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Maize	6100	9.7	32089	11.8	4126	5.0	42315	10.2
Barley	19368	30.8	150507	55.5	33718	40.8	203593	48.9
Sorghum	12722	20.2	4995	1.9	3532	4.3	21249	5.1
Wheat	4474	7.1	42295	15.6	21338	25.8	68107	16.3
Teff	8331	13.2	12446	4.6	8478	10.3	29255	7.0
Haricot Beans	1280	2.0	1042	0.4	-	-	2322	0.6
Peas	3555	5.7	5988	2.2	4362	5.3	13905	3.3
Horse Beans	2991	4.8	3092	1.2	4456	5.4	10539	2.5
Lentil (Guaya)	-	-	9	0.0	-	-	9	0.0
Lentils (Misir)	3	0.0	342	0.1	-	-	345	0.1
Chick Peas	29	0.1	2777	1.0	-	-	2806	0.7
Neug	7	0.0	-	-	625	0.7	632	0.1
Linseed	1023	1.6	14472	5.3	1887	2.3	17382	4.2
Coffee	1766	2.8	-	-	15	0.0	1781	0.4
Chat	573	0.9	-	-	-	-	573	0.1
Enset	-	-	363	0.1	-	-	363	0.1
Gesho	98	0.2	235	0.1	-	-	333	0.1
Others	597	0.9	398	0.2	99	0.1	1094	0.3
ALL CROPS	62917	100.0	271050	100.0	82636	100.0	416603	100.0

TABLE - 4

TOTAL CULTIVATED AREA BY AWRAJAS (HECTARES)

AWRAJA	CULTIVATED AREA				CULTIVATED AREA OUTSIDE AS PERCENTAGE OF TOTAL CULTIVATED AREA	CULTIVATED AREA OWNED	CULTIVATED AREA OWNED AS PERCENTAGE OF TOTAL CULTIVATED AREA
	INSIDE THE SUBDIVISION	OUTSIDE THE SUBDIVISION	TOTAL CULTIVATED AREA	%			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
ARBA GUGU	56203	5438	61641	14.8	8.8	21410	34.7
CHILALO	241724	29324	271048	65.3	10.8	114884	42.4
TICHO	81314	1475	82789	19.9	1.8	56916	68.8
TOTAL FOR PROVINCE	379241	36237	415478	100.0	8.7	193210	46.5

$$(6) = \frac{(3)}{(4)} \times 100$$

$$(8) = \frac{(7)}{(4)} \times 100$$

TABLE - 5

AVERAGE CULTIVATED AREA PER HOUSEHOLD AND AVERAGE SIZE OF FIELD BY AWRAJAS

AWRAJA	TOTAL NUMBER OF HOUSEHOLDS	NUMBER OF FARMING HOUSEHOLDS	PERCENTAGE OF HOUSEHOLDS REPORTING CULTIVATED LAND LAST YEAR	CULTIVATED AREA PER		NUMBER OF FIELDS		AVERAGE SIZE OF FIELD
				HOUSEHOLD (HECTARES)	FARMING HOUSEHOLD (HECTARES)	TOTAL	AVERAGE PER FARMING HOUSEHOLD	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
ARBA GUGU	31500	27600	87.6	2.0	2.2	104900	3.8	0.59
CHILALO	91200	65900	72.3	3.0	4.1	231500	3.5	1.17
TICHO	51400	49900	97.1	1.6	1.7	121400	2.4	0.68
TOTAL FOR PROVINCE	174100	143400	82.4	2.4	2.9	457800	3.2	0.91

(4) = $\frac{(3) \times 100}{(2)}$; (5) = $\frac{(4) \text{ of table } 4}{(2) \text{ of table } 5}$

(6) = $\frac{(4) \text{ of table } 4}{(3) \text{ of table } 5}$ (8) = $\frac{(7)}{(3)}$; (9) = $\frac{(4) \text{ of table } 4}{(7) \text{ of table } 5}$

TABLE - 6

DISTRIBUTION OF FARMING HOUSEHOLDS BY CULTIVATED AREA LAST YEAR BY AWRAJAS

AWRAJA	1= No. of Farming H/H 2= Total Cultivated Area (Hectares)	SIZE GROUP OF CULTIVATED HOLDING												
		up to 500	501-1000	1001-2000	2001-3000	3001-5000	5001-7000	7001-10000	10000-15000	15001-20000	20001-30000	30001-40000	40001 & above	TOTAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
ARBA GOMO	1	-	-	400	900	2300	1800	5000	4800	3200	4300	1500	3600	27800
	2	-	-	57	233	967	1081	4178	5796	5607	10581	5256	27973	61841
CHILALO	1	200	400	900	400	1300	1400	3600	8600	9000	12500	4900	20300	63900
	2	4	23	154	105	459	869	3101	10544	15093	31150	23600	185284	271068
TICHO	1	-	-	500	1500	3100	6900	8100	12800	4500	3500	2200	4000	49900
	2	-	-	76	485	1293	4065	6452	15493	7474	11178	8304	24159	82789
FOR WHOLE PROVINCE	No. of farming Households	200	400	1800	3100	6700	10100	16900	26000	16700	22300	11100	28100	143400
	Percentage	0.1	0.3	1.3	2.2	4.7	7.0	11.8	18.1	11.6	15.6	7.7	19.6	100.0
	Total Cultivated area	4	23	287	823	2719	6015	13931	32243	25874	55071	28968	217320	413478
	PERCENTAGE	0.0	0.0	0.1	0.2	0.7	1.4	3.3	7.8	6.3	13.3	9.2	57.1	100.0

TABLE - 7

ARUSSI PROVINCE

NUMBER OF FARMING HOUSEHOLDS BY DIFFERENCE IN CULTIVATED AREA BETWEEN LAST YEAR AND YEAR BEFORE LAST

AWRAJA	FARMING HOUSEHOLDS REPORTING (COMPARED TO YEAR BEFORE LAST)							
	NUMBER HAVING SAME CULTIVATED AREA LAST YEAR	NUMBER HAVING GREATER CULTIVATED AREA LAST YEAR	AVERAGE INCREASE IN AREA (HECTARES)	NUMBER HAVING LESS CULTIVATED AREA LAST YEAR	AVERAGE DECREASE IN AREA (HECTARES)	NOT STATED	TOTAL NUMBER OF FARMING HOUSEHOLDS	AVERAGE NET INCREASE (+) OR DECREASE (-) IN CULTD. AREA (SQ. METRES)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
ARBA GUGU	19000	4600	0.46	4000	0.53	-	27600	0.09+
CHILALO	36600	18700	1.31	9900	2.48	700	65900	0.13-
TICHO	43900	1900	0.36	3400	0.20	700	49900	0.05+
TOTAL FOR PROVINCE	99500	25200	1.08	17300	1.58	1400	143400	0.02+

$$(8) = (2) + (3) + (5) + (7)$$

$$(9) = \frac{(3) \times (4) - (5) \times (6)}{(8)}$$

TABLE - 8

NUMBER OF FARMING HOUSEHOLDS BY SIZE OF CULTIVATED AREA LAST YEAR AND BY DIFFERENCE IN CULTIVATED AREA BETWEEN LAST YEAR AND YEAR BEFORE LAST FOR PROVINCE

SIZE OF CULTIVATED AREA LAST YEAR (SQ. METRES)	FARMERS REPORTING (COMPARED TO YEAR BEFORE LAST)							AVERAGE NET INCREASE (+) OR DECREASE (-) IN CULTIVATED AREA (SQ. METRES)
	NUMBER HAVING SAME CULTIVATED AREA LAST YEAR	NUMBER HAVING GREATER CULTIVATED AREA LAST YEAR	AVERAGE INCREASE IN AREA (HECTARES)	NUMBER HAVING LESS CULTIVATED AREA LAST YEAR	AVERAGE DECREASE IN AREA (HECTARES)	NOT STATED	TOTAL NUMBER OF FARMING HOUSEHOLDS	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Up to 500	-	100	0.19	-	-	100	200	1924.00+
501 - 1000	200	-	-	-	-	200	400	0.00
1001 - 2000	1400	200	0.36	-	-	200	1800	446.25+
2001 - 3000	2300	100	0.35	600	0.06	100	3100	0.00
3001 - 5000	5100	700	0.32	900	0.25	-	6700	0.00
5001 - 7000	8700	700	0.36	700	0.36	-	10100	0.00
7001 -10000	14000	1000	0.40	1500	0.27	400	16900	0.03-
10001 -15000	19500	3600	0.39	2900	0.49	-	26000	0.02-
15001 -20000	11700	3000	0.61	1900	0.97	100	16700	0.07+
20001 -30000	13300	5100	0.59	3500	0.79	100	22300	0.00
30001 -40000	6600	3000	0.87	1500	1.74	-	11100	0.14-
40001 and above	16700	7700	2.27	3500	5.00	200	28100	0.05-
TOTAL	99500	25200	1.08	17300	1.38	1400	143400	0.02+

(8) = (2) + (3) + (5) + (7)

(9) = $\frac{(3) \times (4) - (5) \times (6)}{(8)}$

ARSI PROVINCE

TABLE - 9

NUMBER OF FARMING HOUSEHOLDS BY PRINCIPAL REASON FOR NO FURTHER EXPANSION IN CROP AREA, BY AWRAJAS

AWRAJA	NUMBER OF FARMING HOUSEHOLDS REPORTING AS PRINCIPAL REASON								
	LACK OF MARKET	LACK OF MANPOWER	LACK OF DRAFT ANIMALS	LAND NOT AVAILABLE	LAND TOO POOR	LAND TOO WEEDY	OTHER REASONS	REASON NOT STATED	TOTAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
ARBA GUGU	-	6600	9900	7300	2400	1200	100	100	27600
CHILALO	-	14100	30600	14700	2700	400	2600	800	65900
TICHO	-	14000	19900	9100	3700	1200	1300	700	49900
TOTAL FOR PROVINCE	-	34700	60400	31100	8800	2800	4000	1600	143400

ARSI PROVINCE

TABLE - 10

NUMBER OF FARMING HOUSEHOLDS BY SECONDARY REASON FOR NO FURTHER EXPANSION IN CROP AREA, BY AWRAJAS

AWRAJA	NUMBER OF FARMING HOUSEHOLDS REPORTING AS SECONDARY REASON								
	LACK OF MARKET	LACK OF MANPOWER	LACK OF DRAFT ANIMALS	LAND NOT AVAILABLE	LAND TOO POOR	LAND TOO WEEDY	OTHER REASONS	REASON NOT STATED	TOTAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
ARSA GUDU	200	4300	6700	6200	1700	1000	400	7100	27600
CHILALO	-	3300	7200	8100	2300	900	1500	42300	65900
TICHO	-	4200	8800	18400	6000	3300	3600	5400	49900
TOTAL FOR PROVINCE	200	11800	22700	32700	10000	5200	6000	54800	143400

TABLE 11

ANDOSI PROVINCE

NUMBER OF FARMING HOUSEHOLDS BY PRINCIPAL REASON FOR NO FURTHER EXPANSION IN CROP AREA & BY AREA UNDER CROPS LAST YEAR FOR PROVINCE

SIZE OF CULTIVATED AREA LAST YEAR (SQ. METERS)	NUMBER OF FARMING HOUSEHOLDS REPORTING AS PRINCIPAL REASON								
	LACK OF MARKET	LACK OF MANPOWER	LACK OF DRAFT ANIMALS	LAND NOT AVAILABLE	LAND TOO POOR	LAND TOO WEEDY	OTHER REASONS	REASON NOT STATED	TOTAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Up to 500	-	-	100	-	-	-	-	100	200
501 - 1000	-	100	100	-	-	-	-	200	400
1001 - 2000	-	400	900	200	100	-	-	200	1800
2001 - 3000	-	1000	1300	400	200	100	-	100	3100
3001 - 5000	-	1300	4000	1000	300	-	100	-	6700
5001 - 7000	-	2700	4700	1600	1000	-	100	-	10100
7001 - 10000	-	3700	7200	3900	1100	300	500	200	16900
10001 - 15000	-	6400	11100	5700	1500	700	500	100	26000
15001 - 20000	-	4000	6400	4400	1100	300	400	100	16700
20001 - 30000	-	5600	8700	5100	1300	400	900	300	22300
30001 - 40000	-	2700	4900	2300	300	300	600	-	11100
40001 and above	-	6800	11000	6500	1900	700	900	300	28100
TOTAL	-	34700	60400	31100	8800	2800	4000	1600	143400

TABLE 12

ARUSSI PROVINCE

NUMBER OF FARMING HOUSEHOLDS BY SECONDARY REASON FOR NO FURTHER EXPANSION IN CROP AREA & BY AREA UNDER CROPS LAST YEAR FOR PROVINCE

SIZE OF CULTIVATED AREA LAST YEAR (SQ. METRES)	NUMBER OF FARMERS REPORTING AS SECONDARY REASON								
	LACK OF MARKET	LACK OF MANPOWER	LACK OF DRAFT ANIMALS	LAND NOT AVAILABLE	LAND TOO POOR	LAND TOO WEEDY	OTHER REASONS	REASON NOT STATED	TOTAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Up to 500	-	100	-	-	-	-	-	100	200
501 - 1000	-	-	100	100	-	-	-	200	400
1001 - 2000	-	200	300	400	-	-	-	900	1800
2001 - 3000	-	400	600	1000	400	-	100	600	3100
3001 - 5000	-	500	1700	2600	200	100	200	1400	6700
5001 - 7000	-	1000	2200	2900	800	200	900	2100	10100
7001 - 10000	100	1500	2700	5400	1600	600	800	4200	18900
10001 - 15000	-	2700	4700	7000	2100	1500	900	7100	26000
15001 - 20000	100	1000	2800	3700	700	500	500	7400	16700
20001 - 30000	-	1400	2900	3500	1600	1100	1200	10600	22300
30001 - 40000	-	1100	1800	1600	1100	300	500	4700	11100
40001 and above	-	1900	2900	4500	1500	900	900	13500	28100
TOTAL	200	11800	22700	32700	10000	5200	6000	54800	143400

TABLE - 1

AVERAGE AREAS OF LOCAL LAND MEASUREMENT UNITS

AWRAJA	NAME OF MEASUREMENT UNIT	AVERAGE AREA OF UNIT (SQ. METERS)	NUMBER OF FIELDS MEASURED
(1)	(2)	(3)	(4)
DOLO	Kufaro	329	2
	Timad	1601	4
	Guyo	790	5
	Oli	1143	13
	Mide	1128	3
GENALE	Timad	1618	106
	Kalame	945	11
	Bwa	269	1
FASIL	Senga (Kotio)	1367	14
	Timad	1409	87
	Kenati	11960	1
	Oli	1241	160
	Mide	1104	62
WABIE	Timad	990	58
	Arkoto	836	3
	Mide	1046	92
FOR WHOLE PROVINCE	Senga (Kotio)	1367	14
	Timad	1418	255
	Mide	1071	157
	Oli	1234	173
	Kalano	945	11

TABLE - 2

DISTRIBUTION OF FIELDS BY SIZE FOR PROVINCE

SIZE GROUP (SQ. METERS)	DISTRIBUTION OF FIELDS			
	NUMBER	%	TOTAL AREA (HECTARES)	%
(1)	(2)	(3)	(4)	(5)
Up to 500	4195	2.2	117	0.1
501 - 1000	7015	3.8	602	0.4
1001 - 2000	25670	13.8	3922	2.4
2001 - 3000	27200	14.6	6729	4.1
3001 - 5000	45755	24.5	18920	11.6
5001 - 7000	18895	10.1	11412	7.0
7001 - 10000	17285	9.3	14543	8.9
10001 - 15000	14380	7.7	17812	10.9
15001 - 20000	7165	3.8	12343	7.5
20001 - 30000	7600	4.1	18599	11.4
30001 - 40000	4400	2.4	15274	9.3
40001 and above	6980	3.7	43114	26.4
TOTAL	186540	100.0	163387	100.0

TABLE - 1

GROSS AREA SOWN UNDER SELECTED CROPS BY AWRAJAS (HECTARES)

CROP	DOLO		GENALE		FASIL		WABIE		FOR WHOLE PROVINCE	
	AREA SOWN	%	AREA SOWN	%	AREA SOWN	%	AREA SOWN	%	AREA SOWN	%
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Maize	5724	70.8	1472	3.3	4443	6.1	14444	26.8	26083	14.5
Barley	375	4.7	22774	51.4	42603	58.3	11957	22.1	77709	43.3
Sorghum	471	5.8	-	-	33	0.1	20	0.0	524	0.3
Wheat	-	-	5745	13.0	19273	26.4	10245	19.0	35263	19.7
Teff	1511	18.7	1990	4.5	1099	1.5	10585	19.6	15185	8.5
Peas	-	-	5667	12.8	3057	4.2	2553	4.7	11277	6.3
Horse Beans	-	-	747	1.7	445	0.6	365	0.7	1557	0.9
Lentils	-	-	-	-	22	0.0	-	-	22	0.0
Chick Peas	-	-	-	-	33	0.1	-	-	33	0.0
Neug	-	-	-	-	102	0.1	231	0.4	333	0.2
Linseed	-	-	3676	8.3	1909	2.6	3602	6.7	9187	5.1
Coffee	2	0.0	-	-	-	-	-	-	2	0.0
Enset	-	-	2204	5.0	-	-	-	-	2204	1.2
Others	-	-	-	-	27	0.0	-	-	27	0.0
ALL CROPS	8083	100.0	44275	100.0	73046	100.0	54002	100.0	179406	100.0

TABLE - 4

TOTAL CULTIVATED AREA BY AWRAJAS (HECTARES)

AWRAJA	CULTIVATED AREA					CULTIVATED AREA OUTSIDE AS PERCENTAGE OF TOTAL CULTIVATED AREA	CULTIVATED AREA OWNED	CULTIVATED AREA OWNED AS PERCENTAGE OF TOTAL CULTIVATED AREA
	INSIDE THE SUBDIVISION	OUTSIDE THE SUBDIVISION	NOT STATED	TOTAL CULTIVATED AREA	%			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
DOLO	6570	80	-	6650	4.1	1.2	2445	36.8
GENALE	38512	4340	435	43287	26.5	10.0	20048	46.3
FASIL	68469	2762	183	71414	43.7	3.9	46067	64.5
WASIE	40324	1543	169	42036	25.7	3.7	24440	58.1
TOTAL FOR PROVINCE	153875	8725	787	163387	100.0	5.3	93000	56.9

$$(7) = \frac{(3)}{(5)} \times 100$$

$$(9) = \frac{(8)}{(5)} \times 100$$

TABLE - 5

AVERAGE CULTIVATED AREA PER HOUSEHOLD AND AVERAGE SIZE OF FIELD BY AWRAJAS

AWRAJA	TOTAL NUMBER OF HOUSEHOLDS	NUMBER OF FARMING HOUSEHOLDS	PERCENTAGE OF HOUSEHOLDS REPORTING CULTIVATED LAND LAST YEAR	CULTIVATED AREA PER		NUMBER OF FIELDS		AVERAGE SIZE OF FIELD
				HOUSEHOLD (HECTARES)	FARMING HOUSEHOLD (HECTARES)	TOTAL	AVERAGE PER FARMING HOUSEHOLD	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
DOLO	8000	6900	86.3	0.8	1.0	7900	1.1	0.8
GENALE	27300	19100	70.0	1.6	2.3	37200	2.0	1.2
FASIL	36490	30590	83.8	2.0	2.3	79085	2.6	0.9
WABIE	30430	26070	85.7	1.4	1.6	62355	2.4	0.7
TOTAL FOR PROVINCE	102220	82660	80.9	1.6	2.0	186540	2.3	0.9

(4) = $\frac{(3) \times 100}{(2)}$; (5) = $\frac{(5) \text{ of table } 4}{(2) \text{ of table } 5}$

(6) = $\frac{(5) \text{ of table } 4}{(3) \text{ of table } 5}$ (8) = $\frac{(7)}{(3)}$; (9) = $\frac{(5) \text{ of table } 4}{(7) \text{ of table } 5}$

TABLE - 6

DISTRIBUTION OF FARMING HOUSEHOLDS BY CULTIVATED AREA LAST YEAR BY AWRAJAS

AWRAJA	1= NO. OF FARMING H/H 2= TOTAL CULTIVATED AREA (HECTARES)	SIZE GROUP OF CULTIVATED HOLDING												
		UP TO 500	501-1000	1001-2000	2001-3000	3001-5000	5001-7000	7001-10000	10001-15000	15001-20000	20001-30000	30001-40000	40001 & above	TOTAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
DOLO	1	100	200	500	1100	1900	500	700	700	300	300	300	300	6900
	2	5	12	74	251	767	312	545	808	506	811	1061	1498	6650
GINNIR	1	2600	1300	800	500	3600	500	1400	1200	800	1400	900	4500	19100
	2	63	99	134	135	1661	316	1239	1581	1431	3464	3108	30116	43287
FASIL	1	-	-	100	600	3300	3400	4900	4900	3500	3015	1530	5375	30580
	2	-	-	14	155	1456	2039	4158	6188	6092	7298	5318	38896	71414
WABIR	1	35	315	1270	2300	6510	2545	1975	3565	1420	1825	1505	2805	26070
	2	2	20	175	519	2537	1501	1544	4246	2610	4234	5323	19305	42016
FOR WHOLE PROVINCE	No. of farming Households	2735	1815	2670	4500	15310	6945	8975	10365	6020	6540	4205	12580	81660
	Percentage	3.3	2.2	3.2	5.5	18.5	8.4	10.9	12.5	7.3	7.9	5.1	15.2	100.0
	Total cultivated area	70	131	327	1060	6441	4168	7456	12823	10429	15747	14852	88315	161327
	Percentage	0.0	0.1	0.2	0.7	3.9	2.6	4.6	7.8	6.4	9.6	9.1	35.0	100.0

TABLE - 7

BALE PROVINCE

NUMBER OF FARMING HOUSEHOLDS BY DIFFERENCE IN CULTIVATED AREA BETWEEN LAST YEAR AND YEAR BEFORE LAST

AKRAJA	FARMING HOUSEHOLDS REPORTING (COMPARED TO YEAR BEFORE LAST)							
	NUMBER HAVING SAME CULTIVATED AREA LAST YEAR	NUMBER HAVING GREATER CULTIVATED AREA LAST YEAR	AVERAGE INCREASE IN AREA (HECTARES)	NUMBER HAVING LESS CULTIVATED AREA LAST YEAR	AVERAGE DECREASE IN AREA (HECTARES)	NOT STATED	TOTAL NUMBER OF FARMING HOUSEHOLDS	AVERAGE NET INCREASE (+) OR DECREASE (-) IN CULTD. AREA (SQ. METRES)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
DOLO	6500	200	0.11	200	0.11	-	6900	0.00
GENALE	15500	2200	0.33	800	0.92	600	19100	0.03+
FASIL	21690	3500	0.31	5200	0.21	200	30590	0.06-
WABIE	15125	4800	0.34	5250	0.31	895	26070	0.02+
TOTAL FOR PROVINCE	58815	10700	0.33	11450	0.31	1695	82660	0.01+

(8) = (2) + (3) + (5) + (7)

$$(9) = \frac{(3) \times (4) - (5) \times (6)}{(8)}$$

TABLE - 8

NUMBER OF FARMING HOUSEHOLDS BY SIZE OF CULTIVATED AREA LAST YEAR AND BY DIFFERENCE IN CULTIVATED AREA BETWEEN LAST YEAR AND YEAR BEFORE LAST FOR PROVINCE

SIZE OF CULTIVATED AREA LAST YEAR (SQ. METRES)	FARMERS REPORTING (COMPARED TO YEAR BEFORE LAST)							AVERAGE NET INCREASE (+) OR DECREASE (-) IN CULT. AREA (SQ. METRES)
	NUMBER HAVING SAME CULTIVATED AREA LAST YEAR	NUMBER HAVING GREATER CULTIVATED AREA LAST YEAR	AVERAGE INCREASE IN AREA (HECTARES)	NUMBER HAVING LESS CULTIVATED AREA LAST YEAR	AVERAGE DECREASE IN AREA (HECTARES)	NOT STATED	TOTAL NUMBER OF FARMING HOUSEHOLDS	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
UP TO 500	2200	300	0.48	100	1.44	135	2735	0.00
501 - 1000	1300	300	0.18	215	0.25	-	1815	0.00-
1001 - 2000	2155	135	0.06	315	0.03	65	2670	0.07+
2001 - 3000	3405	345	0.09	715	0.04	35	4500	0.02+
3001 - 5000	11250	1575	0.25	2210	0.18	275	15310	0.30+
5001 - 7000	5410	535	0.23	935	0.13	65	6945	0.05+
7001 - 10000	5920	1720	0.28	935	0.52	400	8975	0.01+
10001 - 15000	6105	1320	0.35	2425	0.19	515	10365	0.11+
15001 - 20000	3410	1435	0.31	1140	0.38	35	6020	0.01+
20001 - 30000	4735	950	0.42	720	0.55	135	6540	0.04+
30001 - 40000	3185	820	0.53	200	2.16	-	4205	0.08+
40001 and above	9740	1265	0.42	1540	0.34	35	12580	0.05+
TOTAL	58815	10700	0.33	11450	0.31	1995	82660	0.01+

(8) = (2) + (3) + (5) + (7)

(9) = $\frac{(3) \times (4) - (5) \times (6)}{(8)}$

BALE PROVINCE

TABLE - 9

NUMBER OF FARMING HOUSEHOLDS BY PRINCIPAL REASON FOR NO FURTHER EXPANSION IN CROP AREA, BY AWRAJAS

AWRAJA	NUMBER OF FARMING HOUSEHOLDS REPORTING AS PRINCIPAL REASON								
	LACK OF MARKET	LACK OF MANPOWER	LACK OF DRAFT ANIMALS	LAND NOT AVAILABLE	LAND TOO POOR	LAND TOO WEEDY	OTHER REASONS	REASON NOT STATED	TOTAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
DOLO	100	1100	4200	1200	-	-	200	100	6900
GENALE	-	3700	5700	5700	3100	100	-	800	19100
FASIL	-	3815	12230	9730	2900	700	700	515	30590
WABIE	-	5200	14260	1525	1950	100	2280	755	26070
TOTAL FOR PROVINCE	100	13815	36390	18155	7950	900	3180	2170	82660

BALE PROVINCE

TABLE - 10

NUMBER OF FARMING HOUSEHOLDS BY SECONDARY REASON FOR NO FURTHER EXPANSION IN CROP AREA, BY AWRAJAS

AWRAJA	NUMBER OF FARMING HOUSEHOLDS REPORTING AS SECONDARY REASON								
	LACK OF MARKET	LACK OF MANPOWER	LACK OF DRAFT ANIMALS	LAND NOT AVAILABLE	LAND TOO POOR	LAND TOO WEEDY	OTHER REASONS	REASON NOT STATED	TOTAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
DOLO	400	900	1300	1500	500	400	500	1400	6900
GENALE	-	3300	3200	3700	2400	100	100	6300	19100
FASIL	-	3215	7030	6530	4100	1700	2200	5815	30590
HABIE	-	5480	4445	2770	5445	520	1305	6105	26070
TOTAL FOR PROVINCE	400	12895	15975	14500	12445	2720	4105	19620	82660

TABLE - 11

NUMBER OF FARMING HOUSEHOLDS BY PRINCIPAL REASON FOR NO FURTHER EXPANSION IN CROP AREA & BY AREA UNDER CROPS LAST YEAR FOR PROVINCE

SIZE OF CULTIVATED AREA LAST YEAR (SQ. METERS)	NUMBER OF FARMING HOUSEHOLDS REPORTING AS PRINCIPAL REASON								
	LACK OF MARKET	LACK OF MANPOWER	LACK OF DRAFT ANIMALS	LAND NOT AVAILABLE	LAND TOO POOR	LAND TOO WEEDY	OTHER REASONS	REASON NOT STATED	TOTAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
UP TO 500	-	200	800	500	1200	-	-	35	2735
501 - 1000	-	400	815	300	300	-	-	-	1815
1001 - 2000	-	675	1295	400	200	-	-	100	2670
2001 - 3000	-	1300	2535	500	65	-	-	100	4500
3001 - 5000	-	2970	7750	2020	1820	100	415	235	15310
5001 - 7000	-	815	3715	1100	430	200	485	200	6945
7001 -10000	-	1020	4285	2020	500	100	650	400	8975
10001 -15000	-	1350	4090	2635	935	100	940	315	10365
15001 -20000	-	985	3030	1600	100	-	170	135	6020
20001 -30000	-	835	1970	2150	1185	200	-	200	6540
30001 -40000	100	315	1970	1100	300	-	420	-	4205
40001 and above	-	2950	4135	3830	915	200	100	450	12580
TOTAL	100	13815	36390	18155	7950	900	3180	2170	82660

TABLE - 12

NUMBER OF FARMING HOUSEHOLDS BY SECONDARY REASON FOR NO FURTHER EXPANSION IN CROP AREA & BY AREA UNDER CROPS LAST YEAR FOR PROVINCE

SIZE OF CULTIVATED AREA LAST YEAR (SQ. METRES)	NUMBER OF FARMERS REPORTING AS SECONDARY REASON								
	LACK OF MARKET	LACK OF MANPOWER	LACK OF DRAFT ANIMALS	LAND NOT AVAILABLE	LAND TOO POOR	LAND TOO WEEDY	OTHER REASONS	REASON NOT STATED	TOTAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
UP TO 500	-	400	300	100	800	-	-	1135	2735
501 - 1000	-	500	300	200	415	-	-	400	1815
1001 - 2000	-	870	575	600	360	-	-	265	2670
2001 - 3000	-	1080	1085	400	640	200	100	995	4500
3001 - 5000	200	2455	3305	2065	2775	400	215	3895	15310
5001 - 7000	100	800	1420	1865	1330	200	35	1195	8945
7001 - 10000	-	1290	1620	2100	1015	600	500	1850	8975
10001 - 15000	100	2195	2070	1790	1495	200	800	1715	10365
15001 - 20000	-	890	1335	1400	785	300	-	1310	6020
20001 - 30000	-	300	1235	1100	835	200	720	2150	6540
30001 - 40000	-	800	615	950	200	-	300	1340	4205
40001 and above	-	1315	2115	1930	1795	620	1435	3370	12580
TOTAL	400	12895	15975	14500	12445	2720	4105	19620	82660

TABLE - 1

AVERAGE AREAS OF LOCAL LAND MEASUREMENT UNITS

AWRAJA	NAME OF MEASUREMENT UNIT	AVERAGE AREA OF UNIT (SQ. METERS)	NUMBER OF FIELDS MEASURED
(1)	(2)	(3)	(4)
CHILGA	Kela	2206	45
	Kufaro	359	26
	Tisad	1853	73
	Eka Bere	1535	56
DEBRE TABOR	Kela	1565	5
	Kelema	2802	92
	Kufaro	420	7
	Tisad	1647	191
	Eka Bere	1587	451
GAINT	Kufaro	201	9
	Tisad	796	93
	Eka Bere	717	114
GONDER	Kela	1730	72
	Kufaro	361	3
	Medeb	99	2
	Tisad	964	130
	Eka Bere	876	27
LIBO	Kelema	2092	35
	Kufaro	136	1
	Tisad	1179	228
	Eka Bere	1385	132
SEMIEN	Kufaro	352	17
	Tisad	1067	267
	Eka Bere	1135	17
WEGERA	Kufaro	291	15
	Tisad	1046	247
	Eka Bere	757	8
FOR WHOLE PROVINCE	Kela	1873	122
	Kelema	2512	127
	Kufaro	339	78
	Tisad	1178	1229
	Eka Bere	1352	805

TABLE - 2

DISTRIBUTION OF FIELDS BY SIZE FOR PROVINCE

SIZE GROUP (SQ. METERS)	DISTRIBUTION OF FIELDS			
	NUMBER	%	TOTAL AREA (HECTARES)	%
(1)	(2)	(3)	(4)	(5)
UP TO 500	9700	1.2	298	0.0
501 - 1000	37005	4.7	2867	0.5
1001 - 2000	118815	15.3	17840	3.0
2001 - 3000	103110	13.3	25184	4.3
3001 - 5000	195820	25.2	75379	12.8
5001 - 7000	106515	13.7	63413	10.8
7001 - 10000	68140	8.8	57003	9.7
10001 - 15000	49820	6.4	60326	10.2
15001 - 20000	25425	3.3	43947	7.5
20001 - 30000	26940	3.5	66010	11.2
30001 - 40000	15640	2.0	53587	9.1
40001 and above	20640	2.6	123128	20.9
TOTAL	777570	100.0	588982	100.0

TABLE - 1

GROSS AREA SOWN UNDER SELECTED CROPS BY AWRAJAS (HECTARES)

CROP	CHILGA		DEMBE TABOR		GAYNT		GONDAR		LIBO		SEKOTA		WIDURA		FOR WHOLE PROVINCE	
	AREA SOWN	%	AREA SOWN	%	AREA SOWN	%	AREA SOWN	%	AREA SOWN	%	AREA SOWN	%	AREA SOWN	%	AREA SOWN	%
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
Maize	433	0.9	4269	2.8	64	0.2	1819	1.7	157	0.1	376	0.5	775	1.3	7893	1.3
African Millet	11001	23.6	12339	8.2	-	-	3942	3.3	6787	5.7	4458	6.2	6916	11.3	45043	7.6
Barley	515	1.1	26423	17.6	7932	22.2	12815	12.0	6901	5.8	12976	18.0	3663	6.0	71225	12.1
Sorghum	17716	37.9	1329	0.9	526	1.5	8617	8.1	8434	7.1	20009	27.8	19996	32.6	76627	13.0
Wheat	-	-	7992	5.3	2932	8.2	7066	6.6	794	0.7	5581	7.8	4132	6.7	28497	4.8
Teff	14839	31.8	63651	42.4	10311	28.9	36497	34.2	58107	49.2	20608	28.7	10233	16.7	214246	36.3
Barley & Wheat	-	-	-	-	2441	6.8	7789	7.3	24	0.0	43	0.1	2784	4.5	13081	2.2
Haricot Beans	-	-	-	-	-	-	-	-	143	0.1	2095	2.9	-	-	2240	0.4
Peas	-	-	3011	2.0	2536	7.1	5802	5.5	12111	10.3	2291	3.2	2124	3.5	27875	4.7
Horse Beans	-	-	12819	8.5	4803	13.4	1758	1.7	4460	3.8	1563	2.2	143	0.2	25546	4.3
Lentil (Guaya)	-	-	28	0.0	498	1.4	-	-	335	0.3	-	-	-	-	861	0.2
Lentils (Misir)	-	-	443	0.3	34	0.1	39	0.0	19	0.0	418	0.6	1809	2.9	2762	0.5
Chick Peas	354	0.8	7895	5.3	3348	9.4	12507	11.7	17260	14.6	96	0.1	1237	2.0	42697	7.2
Horse Beans & Peas	-	-	48	0.0	150	0.4	-	-	-	-	-	-	21	0.0	219	0.1
Noug	921	2.0	7289	4.9	46	0.1	6418	6.0	2310	2.0	714	1.0	1380	2.2	19078	3.2
Sesame	642	1.4	-	-	-	-	-	-	-	-	312	0.4	4555	7.4	5509	0.9
Linseed	-	-	547	0.4	98	0.3	38	0.0	73	0.1	368	0.5	79	0.1	1203	0.2
Others	249	0.5	2039	1.4	-	-	2055	1.9	252	0.2	-	-	1594	2.6	6189	1.0
TOTAL	46673	100.0	150122	100.0	35719	100.0	105762	100.0	118169	100.0	71908	100.0	61441	100.0	590794	100.0

TABLE - 4

TOTAL CULTIVATED AREA BY AWRAJAS (HECTARES)

AWRAJA	CULTIVATED AREA					CULTIVATED AREA OUTSIDE AS PERCENTAGE OF TOTAL CULTIVATED AREA	CULTIVATED AREA OWNED	CULTIVATED AREA OWNED AS PERCENTAGE OF TOTAL CULTIVATED AREA
	INSIDE THE SUBDIVISION	OUTSIDE THE SUBDIVISION	NOT STATED	TOTAL CULTIVATED AREA	%			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
CHILGA	38034	8643	-	46677	7.9	18.5	39300	84.2
DEBRE-TABOR	102224	47056	841	150121	25.5	31.3	96564	64.3
GAINT	21811	13908	-	35719	6.1	38.9	23420	65.6
GONDER	74205	32328	121	106654	18.1	30.3	75448	70.7
LIBO	83493	32747	186	116426	19.8	28.1	86802	74.6
SEMIEN	61610	10335	-	71945	12.2	14.4	60612	84.2
WEGERA	43366	18074	-	61440	10.4	29.4	48542	79.0
TOTAL FOR PROVINCE	424743	163091	1148	588982	100.0	27.7	430688	73.1

$$(7) = \frac{(3)}{(5)} \times 100$$

$$(9) = \frac{(8)}{(5)} \times 100$$

TABLE - 5

AVERAGE CULTIVATED AREA PER HOUSEHOLD AND AVERAGE SIZE OF FIELD BY AWRAJAS

AWRAJA	TOTAL NUMBER OF HOUSEHOLDS	NUMBER OF FARMING HOUSEHOLDS	PERCENTAGE OF HOUSEHOLDS REPORTING CULTIVATED LAND LAST YEAR	CULTIVATED AREA PER		NUMBER OF FIELDS		AVERAGE SIZE OF FIELD
				HOUSEHOLD (HECTARES)	FARMING HOUSEHOLD (HECTARES)	TOTAL	AVERAGE PER FARMING HOUSEHOLD	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
CHILGA	26715	21495	80.5	1.7	2.2	45670	2.1	1.0
DEBRE TABOR	84300	72400	85.9	1.8	2.1	237000	3.3	0.6
GAYNT	35200	31400	89.2	1.0	1.1	79000	2.5	0.5
GONDAR	52800	41700	79.0	2.0	2.6	129600	3.1	0.8
LIBO	42200	36400	86.3	2.8	3.2	110000	3.0	1.1
SEMIEN	39600	34400	86.9	1.8	2.1	87500	2.5	0.8
WEGERA	42600	34800	81.7	1.4	1.8	88800	2.6	0.7
TOTAL FOR PROVINCE	323415	272595	89.3	1.8	2.2	777570	2.9	0.8

(4) = $\frac{(3) \times 100}{(2)}$; (5) = $\frac{(5) \text{ of table 4}}{(2) \text{ of table 5}}$

(6) = $\frac{(5) \text{ of table 4}}{(3) \text{ of table 5}}$ (8) = $\frac{(7)}{(3)}$; (9) = $\frac{(5) \text{ of table 4}}{(7) \text{ of table 5}}$

TABLE - 6

DISTRIBUTION OF FARMING HOUSEHOLDS BY CULTIVATED AREA LAST YEAR BY AWRAJAS

AWRAJA	1= NO. OF FARMING H/H 2= TOTAL CULTIVATED AREA (HECTARES)	SIZE GROUP OF CULTIVATED HOLDING												
		UP TO 500	501-1000	1001-2000	2001-3000	3001-5000	5001-7000	7001-10000	10001-15000	15001-20000	20001-30000	30001-40000	40001 & above	TOTAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
CHILGA	1	-	100	400	505	1800	2605	2910	4415	1810	1705	1410	3835	21493
	2	-	9	47	124	763	1641	2472	5588	3114	4070	4841	24008	46677
DEBRE TABOR	1	-	100	1200	800	5200	5300	10700	15000	10400	9900	5300	8500	72400
	2	-	8	180	201	2208	3322	9263	18826	18077	24026	18303	55707	150121
GAYNT	1	200	300	2300	3100	5300	4800	4900	3400	2600	2100	1000	1400	31400
	2	5	24	338	757	2056	2794	3953	4068	4369	5166	3110	9079	35719
GONDER	1	-	-	1100	1100	3900	3500	4200	7000	5300	5000	3200	7400	41700
	2	-	-	199	299	1636	2198	3642	8620	9136	12296	11002	57626	106634
LIBO	1	-	100	100	800	1200	2400	4400	7900	3900	4800	2100	8700	36400
	2	-	9	12	205	506	1468	3810	9903	6629	11681	7284	74918	116426
SEMIEN	1	-	100	1000	1500	3300	3700	6300	6300	2800	2800	2000	4800	36400
	2	-	10	141	338	1249	2191	5333	7907	4800	6822	6957	35197	77945
WEGERA	1	100	300	900	1500	4000	4700	4500	6900	3500	2300	2400	3400	36800
	2	4	21	125	423	1569	2739	3639	8286	6099	5715	8373	24447	61640
FOR WHOLE PROVINCE	NO. OF FARMING HOUSEHOLDS	300	1000	7000	9605	24700	27005	37910	50915	30319	28605	17419	37815	272393
	PERCENTAGE	0.1	0.4	2.6	3.5	9.0	9.9	13.9	18.7	11.1	10.5	6.4	13.9	100.0
	TOTAL CULTIVATED AREA	9	81	1042	2347	9987	16353	32112	63198	52224	69776	59870	283893	588932
	PERCENTAGE	0.0	0.0	0.2	0.4	1.7	2.8	5.4	10.7	8.9	11.8	10.2	47.9	100.0

TABLE - 7

NUMBER OF FARMING HOUSEHOLDS BY DIFFERENCE IN CULTIVATED AREA BETWEEN LAST YEAR AND YEAR BEFORE LAST

AWRAJA	FARMING HOUSEHOLDS REPORTING (COMPARED TO YEAR BEFORE LAST)							
	NUMBER HAVING SAME CULTIVATED AREA LAST YEAR	NUMBER HAVING GREATER CULTIVATED AREA LAST YEAR	AVERAGE INCREASE IN AREA (HECTARES)	NUMBER HAVING LESS CULTIVATED AREA LAST YEAR	AVERAGE DECREASE IN AREA (HECTARES)	NOT STATED	TOTAL NUMBER OF FARMING HOUSEHOLDS	AVERAGE NET INCREASE (+) OR DECREASE (-) IN CULTD. AREA (SQ. METRES)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
CHILGA	15330	2750	0.77	3215	0.66	200	21495	0.11-
DEBRE TABOR	61400	4200	0.40	6000	0.28	800	72400	0.03+
GAYNT	25900	1800	0.35	3200	0.20	500	31400	0.00
GONDER	29700	2700	20.07	9000	6.02	300	41700	0.11-
LIBO	32500	1200	2.54	2500	1.22	200	36400	0.02+
SEMIEN	26500	3900	0.80	4000	0.78	-	34400	0.08+
WEGERA	26900	2400	1.39	4400	0.76	1100	34800	0.06-
TOTAL FOR PROVINCE	218230	18950	3.59	32315	2.11	3100	272595	0.03+

(8) = (2) + (3) + (5) + (7)

$$(9) = \frac{(3) \times (4) - (5) \times (6)}{(8)}$$

TABLE - 8

NUMBER OF FARMING HOUSEHOLDS BY SIZE OF CULTIVATED AREA LAST YEAR AND BY DIFFERENCE IN CULTIVATED AREA BETWEEN LAST YEAR AND YEAR BEFORE LAST FOR PROVINCE

SIZE OF CULTIVATED AREA LAST YEAR (SQ. METERS)	FARMERS REPORTING (COMPARED TO YEAR BEFORE LAST)							
	NUMBER HAVING SAME CULTIVATED AREA LAST YEAR	NUMBER HAVING GREATER CULTIVATED AREA LAST YEAR	AVERAGE INCREASE IN AREA (HECTARES)	NUMBER HAVING LESS CULTIVATED AREA LAST YEAR	AVERAGE DECREASE IN AREA (HECTARES)	NOT STATED	TOTAL NUMBER OF FARMING HOUSEHOLDS	AVERAGE NET INCREASE (+) OR DECREASE (-) IN CULTD. AREA (SQ. METERS)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
UP TO 500	200	-	-	100	0.10	-	300	348.67-
501 - 1000	900	100	-	-	-	-	1000	0.00
1001 - 2000	5200	400	0.57	1000	0.23	400	7000	0.03+
2001 - 3000	7800	505	0.64	1200	0.27	100	9605	0.02-
3001 - 5000	20700	1100	0.61	2500	0.27	400	24700	0.00+
5001 - 7000	20705	1100	1.71	5200	0.36	-	27005	0.01-
7001 - 10000	31600	2605	0.57	3105	0.48	600	37910	0.00-
10001 - 15000	39815	4000	0.87	6700	0.52	400	50915	0.03-
15001 - 20000	25110	1700	1.13	3100	0.62	400	30310	0.00-
20001 - 30000	22700	2705	0.99	3000	0.89	200	28605	0.04-
30001 - 40000	13410	1300	1.30	2400	0.70	300	17410	0.04-
40001 and above	30090	3435	15.64	4010	13.40	300	37835	0.03-
TOTAL	218230	18950	3.59	32315	2.11	3100	272595	0.03+

(8) = (2) + (3) + (5) + (7)

$$(9) = \frac{(3) \times (4) - (5) \times (6)}{(8)}$$

TABLE - 9

NUMBER OF FARMING HOUSEHOLDS BY PRINCIPAL REASON FOR NO FURTHER EXPANSION IN CROP AREA, BY AWRAJAS

AWRAJA	NUMBER OF FARMING HOUSEHOLDS REPORTING AS PRINCIPAL REASON								
	LACK OF MARKET	LACK OF MANPOWER	LACK OF DRAFT ANIMALS	LAND NOT AVAILABLE	LAND TOO POOR	LAND TOO WEEDY	OTHER REASONS	REASON NOT STATED	TOTAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
CHILGA	25	3735	14015	2215	400	700	205	200	21495
DEBRE TABOR	100	9200	45700	15300	1200	500	200	200	72400
GAYNT	200	2600	20700	7300	200	100	200	100	31400
GONDER	-	4700	24900	9200	1800	600	500	-	41700
LIBO	-	6200	22700	6700	500	200	100	-	36400
SEMIEN	100	7100	17000	7500	1300	1100	300	-	34400
WEGERA	-	5500	18600	8900	900	400	300	200	34800
TOTAL FOR PROVINCE	425	39035	163615	57115	6300	3600	1805	700	272595

TABLE - 10

NUMBER OF FARMING HOUSEHOLDS BY SECONDARY REASON FOR NO FURTHER EXPANSION IN CROP AREA, BY AWRAJAS

AWRAJA	NUMBER OF FARMING HOUSEHOLDS REPORTING AS SECONDARY REASON								
	LACK OF MARKET	LACK OF MANPOWER	LACK OF DRAFT ANIMALS	LAND NOT AVAILABLE	LAND TOO POOR	LAND TOO WEEDY	OTHER REASONS	REASON NOT STATED	TOTAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
CHILGA	15	5585	2735	5615	2310	3215	105	1915	21495
DEBRE TABOR	-	12100	13800	29300	7900	4200	1600	3500	72400
GAINT	200	3300	6800	17500	2400	400	100	700	31400
GONDER	-	5800	9400	11200	3900	3100	1200	7100	41700
LIBO	-	6200	6300	12900	2200	1700	2800	4300	36400
SEMIEN	300	6600	7300	10200	3200	4300	700	1800	34400
WEGERA	100	6200	8300	8700	3800	4400	1600	1700	34800
TOTAL FOR PROVINCE	615	45785	54635	95415	25710	21315	8105	21015	272595

TABLE - 11

NUMBER OF FARMING HOUSEHOLDS BY PRINCIPAL REASON FOR NO FURTHER EXPANSION IN CROP AREA & BY AREA UNDER CROPS LAST YEAR FOR PROVINCE

SIZE OF CULTIVATED AREA LAST YEAR (SQ. METRES)	NUMBER OF FARMING HOUSEHOLDS REPORTING AS PRINCIPAL REASON								
	LACK OF MARKET	LACK OF MANPOWER	LACK OF DRAFT ANIMALS	LAND NOT AVAILABLE	LAND TOO POOR	LAND TOO WEEDY	OTHER REASONS	REASON NOT STATED	TOTAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
UP TO 500	-	-	100	200	-	-	-	-	300
501 - 1000	-	100	800	100	-	-	-	-	1000
1001 - 2000	-	800	4500	1200	200	200	-	100	7000
2001 - 3000	-	700	6505	2000	200	-	200	-	9605
3001 - 5000	-	3400	15900	4200	500	400	300	-	24700
5001 - 7000	100	4300	15505	6100	500	400	-	100	27005
7001 - 10000	-	5400	24110	7400	600	200	100	100	37910
10001 - 15000	-	7005	30310	11800	1000	300	400	100	50915
15001 - 20000	100	3700	17605	7505	700	700	-	-	30310
20001 - 30000	5	3000	18200	5600	1100	300	300	100	28605
30001 - 40000	100	3700	9105	3705	-	400	300	100	17410
40001 and above	120	6930	20975	7305	1500	700	205	100	37835
TOTAL	425	39035	163615	57115	6300	3600	1805	700	272595

TABLE - 12

NUMBER OF FARMING HOUSEHOLDS BY SECONDARY REASON FOR NO FURTHER EXPANSION IN CROP AREA & BY AREA UNDER CROPS LAST YEAR FOR PROVINCE

SIZE OF CULTIVATED AREA LAST YEAR (SQ. METERS)	NUMBER OF FARMERS REPORTING AS SECONDARY REASON								
	LACK OF MARKET	LACK OF MANPOWER	LACK OF DRAFT ANIMALS	LAND NOT AVAILABLE	LAND TOO POOR	LAND TOO WEEDY	OTHER REASONS	REASON NOT STATED	TOTAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
UP TO 500	-	100	200	-	-	-	-	-	300
501 - 1000	-	190	200	500	200	-	-	-	1000
1001 - 2000	-	800	1400	4000	-	200	200	400	7000
2001 - 3000	-	1405	2100	4200	700	600	300	300	9605
3001 - 5000	-	2900	4800	11100	2000	2000	400	1500	24700
5001 - 7000	100	3505	6400	11000	2100	1600	600	1700	27005
7001 - 10000	-	5410	8000	14100	3600	2800	1300	2700	37910
10001 - 15000	100	10010	10905	16600	4200	3500	1800	3800	50915
15001 - 20000	-	5300	6300	9305	4500	2300	700	1905	30310
20001 - 30000	-	5900	5000	9200	3105	2400	900	2100	28605
30001 - 40000	-	3200	3605	4405	1900	1300	500	2500	17410
40001 and above	415	7155	5725	11005	3405	4615	1405	4110	37835
TOTAL	615	45785	54635	95415	25710	21315	8105	21015	272595

TABLE - 1

AVERAGE AREAS OF LOCAL LAND MEASUREMENT UNITS

AREA/A	NAME OF MEASUREMENT UNIT	AVERAGE AREA OF UNIT (SQ. METRES)	NUMBER OF FIELDS MEASURED
(1)	(2)	(3)	(4)
GARDULA	Bay	307	1
	Eufaro	323	9
	Timad	1219	97
	Ouye	494	47
	Wotta	1080	14
	Semiet	700	1
	Gumbe	65	1
	Gatiee	956	13
	Dulo	2626	3
	Kindi	1395	4
	Wasee	844	1
GELEB & KARSH BARO	Koti	4875	1
	Eufaro	339	20
	Timad	1931	114
	Bka Bore	3550	1
	Koye	37	1
	Bore	411	4
GAMU	Timad	852	92
	Ouye	112	68
	Wotta	449	27
	Kinolee	200	57
	Kinke	376	20
	Wolle	188	3
	Bolle	800	4
GOFFA	Bay	35847	3
	Eufaro	195	77
	Timad	1236	15
	Bka Bore	873	11
	Wotta	919	44
	Bore	1321	3
	Semiet	1125	1
	Gelee	1186	9
	Arfe	2625	1
	Kena	415	10
	Kinee	2492	50
	Bamada	198	2
	Kene	154	17
FOR WHOLE PROVINCE	Eufaro	227	106
	Timad	1397	318
	Bka Bore	945	12
	Ouye	281	115
	Wotta	751	85
	Kinolee	200	57
	Kinke	376	20
	Wotinee	956	13
	Kena	415	10
	Kinee	2492	50
	Kene	154	17

TABLE - 2

DISTRIBUTION OF FIELDS BY SIZE FOR PROVINCE

SIZE GROUP (SQ. METERS)	DISTRIBUTION OF FIELDS			
	NUMBER	%	TOTAL AREA (HECTARES)	%
(1)	(2)	(3)	(4)	(5)
UP TO 500	46145	16.0	1418	1.1
501 - 1000	36685	12.7	2928	2.2
1001 - 2000	61215	21.2	8933	6.7
2001 - 3000	29360	10.2	7334	5.5
3001 - 5000	63525	22.0	26218	19.8
5001 - 7000	13665	4.7	7977	6.0
7001 - 10000	12300	4.3	10411	7.9
10001 - 15000	9380	3.2	11377	8.6
15001 - 20000	4100	1.4	7088	5.3
20001 - 30000	5280	1.8	12918	9.8
30001 - 40000	2900	1.0	10045	7.6
40001 and above	4200	1.5	25809	19.5
TOTAL	288755	100.0	132456	100.0

TABLE - 1

GROSS AREA SOWN UNDER SELECTED CROPS BY AWRAJAS (HECTARES)

CROP	GARDULA		CHENCHA AND HAMER BAKO		CHENCHA		GOFFA		FOR WHOLE PROVINCE	
	AREA SOWN	%	AREA SOWN	%	AREA SOWN	%	AREA SOWN	%	AREA SOWN	%
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Maize	4774	21.3	12245	28.1	4893	30.9	15834	34.0	40746	29.7
African Millet	-	-	244	0.5	-	-	-	-	244	0.2
Barley	3979	17.8	29	0.1	4106	25.9	5383	9.7	13497	9.8
Sorghum	9643	43.1	10727	24.6	860	5.4	8549	15.5	29779	21.7
Wheat	376	1.7	29	0.1	1519	9.6	3052	5.5	4976	3.6
Teff	2356	10.5	3712	8.5	1856	11.7	12354	22.3	20278	14.8
Haricot Beans	218	1.0	390	0.9	256	1.6	164	0.3	1028	0.7
Peas	58	0.3	57	0.1	420	2.7	280	0.5	815	0.6
Horse Beans	83	0.4	291	0.7	323	2.0	566	1.0	1263	0.9
Lentil (Ouaya)	376	1.7	-	-	-	-	-	-	376	0.3
Lentils (Misir)	101	0.4	-	-	-	-	-	-	101	0.1
Chick Peas	228	1.0	-	-	-	-	-	-	228	0.2
Linseed	-	-	-	-	-1	0.0	-	-	1	0.0
Coffee	-	-	6201	14.2	-	-	992	1.8	7193	5.2
Enset	87	0.4	4247	9.8	152	1.0	2893	5.2	7379	5.4
Gesho	-	-	-	-	-	-	65	0.1	65	0.1
Others	95	0.4	5408	12.4	1466	9.2	2257	4.1	9226	6.7
ALL CROPS	22374	100.0	43580	100.0	15852	100.0	55389	100.0	137195	100.0

TABLE - 4

TOTAL CULTIVATED AREA BY AWRAJAS (HECTARES)

AWRAJA	CULTIVATED AREA				CULTIVATED AREA OUTSIDE AS PERCENTAGE OF TOTAL CULTIVATED AREA	CULTIVATED AREA OWNED	CULTIVATED AREA OWNED AS PERCENTAGE OF TOTAL CULTIVATED AREA
	INSIDE THE SUBDIVISION	OUTSIDE THE SUBDIVISION	TOTAL CULTIVATED AREA	%			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
GARDULA	21818	553	22371	16.9	2.5	11290	50.5
GELEB & HANER BAKO	38813	384	39197	29.6	1.0	12934	33.0
GENU	15278	222	15500	11.7	1.4	9561	61.7
GOFFA	48437	6951	55388	41.8	12.6	22291	40.3
TOTAL FOR PROVINCE	124346	8110	132456	100.0	6.1	56076	42.3

$$(6) = \frac{(3)}{(4)} \times 100$$

$$(8) = \frac{(7)}{(4)} \times 100$$

TABLE - 5

AVERAGE CULTIVATED AREA PER HOUSEHOLD AND AVERAGE SIZE OF FIELD BY AWRAJAS

AWRAJA	TOTAL NUMBER OF HOUSEHOLDS	NUMBER OF FARMING HOUSEHOLDS	PERCENTAGE OF HOUSEHOLDS REPORTING CULTIVATED LAND LAST YEAR	CULTIVATED AREA PER		NUMBER OF FIELDS		AVERAGE SIZE OF FIELD
				HOUSEHOLD (HECTARES)	FARMING HOUSEHOLD (HECTARES)	TOTAL	AVERAGE PER FARMING HOUSEHOLD	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
GARDULA	44240	39440	89.2	0.5	0.6	57560	1.5	0.39
GELEB & HAMER BAKO	16700	14300	85.6	2.3	0.3	57400	4.0	0.68
GEMU	45725	42425	92.8	0.3	0.4	86195	2.0	0.18
GOFFA	36700	32700	89.1	1.5	1.7	87600	2.7	0.63
TOTAL FOR PROVINCE	143365	128865	89.9	0.9	1.0	288755	2.2	0.46

(4) = $\frac{(3) \times 100}{(2)}$;

(5) = $\frac{(4) \text{ of table 4}}{(2) \text{ of table 5}}$

(6) = $\frac{(4) \text{ of table 4}}{(3) \text{ of table 5}}$

(8) = $\frac{(7)}{(3)}$;

(9) = $\frac{(4) \text{ of table 4}}{(7) \text{ of table 5}}$

TABLE - 6

DISTRIBUTION OF FARMING HOUSEHOLDS BY CULTIVATED AREA LAST YEAR BY AWRAJAS

AWRAJA	1= NO. OF FARMING H/S 2= TOTAL CULTIVATED AREA (HECTARES)	SIZE GROUP OF CULTIVATED HOLDING												
		UP TO 500	501-1000	1001-2000	2001-3000	3001-5000	5001-7000	7001-10000	10001-15000	15001-20000	20001-30000	30001-40000	40001 & above	TOTAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
GAZZOLA	1	1860	2460	13060	6360	4840	2500	3000	2380	1400	880	200	500	39440
	2	81	216	1803	1574	2030	1467	2464	2888	2421	2061	649	4717	22371
DELBO A HAMBO BACO	1	200	-	200	100	500	1900	700	2100	1500	2900	1700	2500	14300
	2	7	-	36	26	203	1061	592	2595	2679	7235	5829	18934	39197
GIBE	1	6985	8960	9590	5295	4665	2000	1530	1100	1200	500	200	600	42625
	2	244	698	1448	1317	1741	1168	1230	1255	2088	1304	749	2258	15500
GOFFA	1	300	1200	1200	1900	5400	4200	4300	4100	2700	2700	2000	2700	32700
	2	11	93	177	465	2233	2506	3626	5177	4498	6768	6455	21179	55388
FOR WHOLE PROVINCE	NO. OF FARMING HOUSEHOLDS	9345	12629	24050	13655	13405	10600	9530	9650	6800	6980	4100	6100	126849
	PERCENTAGE	7.2	9.8	18.7	10.6	12.9	8.2	7.4	7.5	5.3	5.4	3.2	4.7	100.0
	TOTAL CULTIVATED AREA	343	1007	3464	3382	6207	6202	7812	11915	11686	17168	13822	49201	130439
	PERCENTAGE	0.2	0.8	2.6	2.5	4.7	4.7	6.0	9.0	8.8	13.1	10.5	37.7	100.0

TABLE - 7

NUMBER OF FARMING HOUSEHOLDS BY DIFFERENCE IN CULTIVATED AREA BETWEEN LAST YEAR AND YEAR BEFORE LAST

AREA/A	FARMING HOUSEHOLDS REPORTING (COMPARED TO YEAR BEFORE LAST)							
	NUMBER HAVING SAME CULTIVATED AREA LAST YEAR	NUMBER HAVING GREATER CULTIVATED AREA LAST YEAR	AVERAGE INCREASE IN AREA (HECTARES)	NUMBER HAVING LESS CULTIVATED AREA LAST YEAR	AVERAGE DECREASE IN AREA (HECTARES)	NOT STATED	TOTAL NUMBER OF FARMING HOUSEHOLDS	AVERAGE NET INCREASE (+) OR DECREASE (-) IN CULTD. AREA (SQ. METRES)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
GARDULA	35760	600	1.12	2080	0.32	1000	39440	0.02-
OKLES & HAMER BAKO	13000	400	1.68	800	0.84	100	14300	0.03-
OKMU	38565	865	0.52	2495	0.18	500	42425	0.01-
OOFFA	28400	1200	0.83	2500	0.40	600	32700	0.02+
TOTAL FOR PROVINCE	115725	3065	0.91	7875	0.35	2200	128865	0.02+

(8) = (2) + (3) + (5) + (7)

$$(9) = \frac{(3) \times (4) - (5) \times (6)}{(8)}$$

TABLE - 9

NUMBER OF FARMING HOUSEHOLDS BY PRINCIPAL REASON FOR NO FURTHER EXPANSION IN CROP AREA, BY AWRAJAS

AWRAJA	NUMBER OF FARMING HOUSEHOLDS REPORTING AS PRINCIPAL REASON								
	LACK OF MARKET	LACK OF MANPOWER	LACK OF DRAFT ANIMALS	LAND NOT AVAILABLE	LAND TOO POOR	LAND TOO WEEDY	OTHER REASONS	REASON NOT STATED	TOTAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
GARDULA	200	16060	18500	3680	500	200	-	-	39440
CHELEA & HAMER BAKO	100	5300	3700	3500	700	400	200	400	14300
GEMU	100	13190	11480	9790	2100	300	4100	1365	42425
GOFFA	-	8500	21100	3000	-	-	-	100	32700
TOTAL FOR PROVINCE	400	43050	55080	19970	3300	900	4300	1865	128865

TABLE - 10

GEMU GOFFA PROVINCE

NUMBER OF FARMING HOUSEHOLDS BY SECONDARY REASON FOR NO FURTHER EXPANSION IN CROP AREA, BY AWRAJAS

AWRAJA	NUMBER OF FARMING HOUSEHOLDS REPORTING AS SECONDARY REASON								
	LACK OF MARKET	LACK OF MANPOWER	LACK OF DRAFT ANIMALS	LAND NOT AVAILABLE	LAND TOO POOR	LAND TOO WEEDY	OTHER REASONS	REASON NOT STATED	TOTAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
GARDULA	-	6400	14040	10300	7660	160	300	580	39440
GELEB & HANER BAKO	-	3100	5500	2600	500	100	1500	1000	14300
GEMU	100	12885	11750	8595	4065	765	2200	2065	42425
GOFFA	100	7900	8800	12200	2700	100	-	900	32700
TOTAL FOR PROVINCE	200	30285	40090	33695	14925	1125	4000	4545	128865

TABLE - 11

NUMBER OF FARMING HOUSEHOLDS BY PRINCIPAL REASON FOR NO FURTHER EXPANSION IN CROP AREA & BY AREA UNDER CROPS LAST YEAR FOR PROVINCE

SIZE OF CULTIVATED AREA LAST YEAR (SQ. METERS)	NUMBER OF FARMING HOUSEHOLDS REPORTING AS PRINCIPAL REASON								
	LACK OF MARKET	LACK OF MANPOWER	LACK OF DRAFT ANIMALS	LAND NOT AVAILABLE	LAND TOO POOR	LAND TOO WEEDY	OTHER REASONS	REASON NOT STATED	TOTAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
UP TO 500	100	1830	2555	2660	600	100	1200	300	9345
501 - 1000	-	4025	3765	3230	200	-	1000	400	12620
1001 - 2000	100	9525	9645	3180	600	100	700	200	24050
2001 - 3000	-	4605	6185	2200	300	-	300	65	13655
3001 - 5000	-	5240	7665	1300	600	-	500	100	15405
5001 - 7000	-	3400	5200	1100	300	-	300	300	10600
7001 - 10000	-	3365	4865	700	300	100	200	-	9530
10001 - 15000	100	3280	4700	1100	300	-	-	200	9680
15001 - 20000	100	2300	2800	1400	-	-	-	200	6800
20001 - 30000	-	2380	3000	1500	-	100	-	-	6980
30001 - 40000	-	1300	1900	700	100	100	-	-	4100
40001 & above	-	1800	2800	900	-	400	100	100	6100
TOTAL	400	43050	55080	19970	3300	900	4300	1865	128845

TABLE - 12

CENT GUPTA PROVINCE

NUMBER OF FARMING HOUSEHOLDS BY SECONDARY REASON FOR NO FURTHER EXPANSION IN CROP AREA & BY AREA UNDER CROPS LAST YEAR FOR PROVINCE

SIZE OF CULTIVATED AREA LAST YEAR (SQ. METRES)	NUMBER OF FARMERS REPORTING AS SECONDARY REASON								
	LACK OF MARKET	LACK OF MANPOWER	LACK OF DRAFT ANIMALS	LAND NOT AVAILABLE	LAND TOO POOR	LAND TOO WEEDY	OTHER REASONS	REASON NOT STATED	TOTAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
UP TO 500	100	3260	2025	1700	1360	-	500	400	9345
501 - 1000	-	3365	4590	3165	900	-	400	200	12620
1001 - 2000	-	4360	8245	5300	4600	145	700	700	24050
2001 - 3000	-	2800	4005	4065	2220	100	100	365	13655
3001 - 5000	-	3800	3880	5100	1545	280	500	300	15405
5001 - 7000	-	2400	2600	2500	1400	300	1000	400	10600
7001 - 10000	-	2300	3265	2665	800	100	100	300	9530
10001 - 15000	100	2300	2880	2500	1000	-	300	600	9680
15001 - 20000	-	1300	2700	1800	500	100	-	400	6800
20001 - 30000	-	1600	2400	2300	200	-	100	380	6980
30001 - 40000	-	900	1500	1200	200	100	100	100	4100
40001 and above	-	1900	2000	1400	200	-	200	400	6100
TOTAL	200	30285	40090	33695	14925	1125	4000	4545	128865

TABLE - 1

AVERAGE AREAS OF LOCAL LAND MEASUREMENT UNITS

AWRAJA	NAME OF MEASUREMENT UNIT	AVERAGE AREA OF UNIT (SQ. METRES)	NUMBER OF FIELDS MEASURED
(1)	(2)	(3)	(4)
AGEW MIDIR	Gesim	1702	37
	Koda	1433	174
	Shena	1613	1
BAHR-DAR	Koda	1857	367
	Kufaro	301	1
	Timad	1340	17
	Tilo	422	1
	Zka Bere	1623	85
	Shena	167	2
BICHENA	Gesim	1251	20
	Kufaro	347	3
	Timad	1531	353
DEBRE MARKOS	Gesim	2209	4
	Timad	586	49
KOLA-DEGA-DAMOT	Fer	4857	1
	Gebat	2483	11
	Gesim	2729	9
	Kelema	5000	1
	Timad	2500	79
	Zka Bere	2113	95
	Guya	1534	13
METEKEL	Koda	2282	24
	Kufaro	137	10
	Kessa	3116	14
	Timad	960	18
	Guya	1090	1
	Keleno	104	2
	Ewa	4163	3
	Dabo	2269	3
	Harra	167	1
	Welka	870	2
	Gosho	277	9
MOTTA	Gesim	1237	15
	Kufaro	411	6
	Timad	1450	235
FOR WHOLE PROVINCE	Koda	1719	565
	Timad	1423	751
	Zka Bere	1855	180
	Gebat	2483	11
	Guya	1428	14
	Kufaro	158	20
	Gesim	1604	85
	Kessa	3116	14

TABLE - 2

DISTRIBUTION OF FIELDS BY SIZE FOR PROVINCE

SIZE GROUP (SQ. METERS)	DISTRIBUTION OF FIELDS			
	NUMBER	%	TOTAL AREA (HECTARES)	%
(1)	(2)	(3)	(4)	(5)
UP TO 500	15095	2.2	460	0.1
501 - 1000	67465	9.5	4765	1.4
1001 - 2000	153855	21.7	22844	6.6
2001 - 3000	123015	17.4	31259	9.0
3001 - 5000	158415	22.3	62004	17.9
5001 - 7000	77900	11.0	46121	13.3
7001 - 10000	52170	7.4	43357	12.5
10001 - 15000	26870	3.8	32357	9.4
15001 - 20000	12260	1.7	20765	6.0
20001 - 30000	10800	1.5	26892	7.8
30001 - 40000	6725	0.9	40319	11.6
40001 and above	4350	0.6	15173	4.4
TOTAL	708920	100.0	346316	100.0

TABLE - 1

GROSS AREA SOWN UNDER SELECTED CROPS BY AWRAJAS (HECTARES)

CROP	AGEW MIDIR		BAHR DAR		BICHENA		KOLA-DEGA DAMOT		DEBRE MARKOS		MENKEL		MOTTA		FOR WHOLE PROVINCE	
	AREA SOWN	%	AREA SOWN	%	AREA SOWN	%	AREA SOWN	%	AREA SOWN	%	AREA SOWN	%	AREA SOWN	%	AREA SOWN	%
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
Maize	882	2.9	3867	4.5	399	0.6	5324	10.5	1182	2.7	1273	3.4	117	0.4	13044	3.8
African Millet	4411	14.7	27961	32.6	-	-	5754	11.3	-	-	8974	24.1	-	-	47100	13.6
Barley	5377	17.9	4212	4.9	1375	2.0	16413	32.4	7151	16.1	599	1.6	5632	18.3	40759	11.8
Sorghum	278	0.9	841	1.0	1930	2.9	2284	4.5	12929	29.2	16112	43.3	350	1.1	34724	10.0
Wheat	7	0.0	699	0.8	15514	22.9	294	0.6	214	0.5	10	0.0	1113	3.6	17842	5.2
Teff	17812	59.1	23263	27.2	34740	51.4	17114	33.7	17756	40.1	7092	19.1	15002	48.9	132779	38.3
Peas	130	0.4	3783	4.4	898	1.3	150	0.3	1381	3.1	84	0.2	3109	10.1	9535	2.8
Horse Beans	169	0.6	1578	1.8	8454	12.5	1014	2.0	767	1.7	31	0.1	2860	9.3	14873	4.3
Lentil (guaya)	-	-	1008	1.2	851	1.3	-	-	43	0.1	-	-	834	2.7	2736	0.8
Lentils (miekr)	-	-	-	-	506	0.7	-	-	-	-	-	-	171	0.6	679	0.2
Chick Pea	-	-	141	0.2	306	0.4	3	0.0	53	0.1	9	0.0	712	2.3	1224	0.4
Noug	910	3.0	12521	14.6	2281	3.4	1062	2.1	1119	2.5	58	0.2	539	1.8	18490	5.3
Sesame	-	-	-	-	-	-	-	-	-	-	166	0.5	-	-	166	0.0
Linseed	-	-	5580	6.5	-	-	35	0.1	513	1.2	-	-	196	0.6	6324	1.8
Coffee	-	-	111	0.1	-	-	-	-	-	-	-	-	-	-	111	0.0
Berbere	2	0.0	67	0.1	38	0.1	54	0.1	12	0.0	351	1.0	-	-	524	0.1
Others	137	0.5	41	0.1	308	0.5	1236	2.4	1200	2.7	2432	6.5	75	0.3	5429	1.6
TOTAL	30115	100.0	85664	100.0	67602	100.0	50737	100.0	44320	100.0	37191	100.0	30710	100.0	346339	100.0

TABLE - 4

TOTAL CULTIVATED AREA BY AWRAJAS (HECTARES)

AWRAJA	CULTIVATED AREA					CULTIVATED AREA OUTSIDE AS PERCENTAGE OF TOTAL CULTIVATED AREA	CULTIVATED AREA OWNED	CULTIVATED AREA OWNED AS PERCENTAGE OF TOTAL CULTIVATED AREA
	INSIDE THE SUBDIVISION	OUTSIDE THE SUBDIVISION	NOT STATED	TOTAL CULTIVATED AREA	%			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
AGEW MIDIR	26653	3562	-	30215	8.7	11.8	18889	62.5
BAHR DAR	69537	16037	223	85797	24.8	18.7	69578	81.1
BICHENA	54705	12819	76	67600	19.5	19.0	51723	76.5
KOLA-DEGA DAMOT	47765	2207	149	50121	14.5	4.4	42526	84.8
DEBRE MARKOS	42053	1935	62	44050	12.7	4.4	36777	83.5
METEKEL	36359	1377	-	37736	10.9	3.6	35383	93.8
MOTTA	26686	3919	192	30797	8.9	12.7	23629	76.7
TOTAL FOR PROVINCE	303758	41856	702	346316	100.0	12.1	278505	80.4

$$(7) = \frac{(3)}{(5)} \times 100$$

$$(9) = \frac{(8)}{(5)} \times 100$$

TABLE - 5

AVERAGE CULTIVATED AREA PER HOUSEHOLD AND AVERAGE SIZE OF FIELD BY AWRAJAS

AWRAJA	TOTAL NUMBER OF HOUSEHOLDS	NUMBER OF FARMING HOUSEHOLDS	PERCENTAGE OF HOUSEHOLDS REPORTING CULTIVATED LAND LAST YEAR	CULTIVATED AREA PER		NUMBER OF FIELDS		AVERAGE SIZE OF FIELD
				HOUSEHOLD (HECTARES)	FARMING HOUSEHOLD (HECTARES)	TOTAL	AVERAGE PER FARMING HOUSEHOLD	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
AGEW MIDIR	31500	26100	82.9	1.0	1.2	58700	2.3	0.5
BAHR DAR	67765	48845	72.1	1.3	1.8	183630	3.8	0.5
BICHENA	41680	33240	79.8	1.6	2.0	104020	3.1	0.6
KOLA-DEGA DAMOT	61175	53725	87.8	0.8	0.9	126900	2.4	0.4
DEBRE MARKOS	59365	49835	84.0	0.7	0.9	126220	2.5	0.3
MENKEKL	20140	18190	90.3	1.9	2.1	37275	2.1	1.0
MOTTA	31805	27160	85.4	1.0	1.1	72175	2.7	0.4
TOTAL FOR PROVINCE	313430	257095	82.0	1.1	1.3	708920	2.8	0.5

(4) = $\frac{(3) \times 100}{(2)}$; (5) = $\frac{(5) \text{ of Table 4}}{(2) \text{ of Table 5}}$

(6) = $\frac{(5) \text{ of Table 4}}{(3) \text{ of Table 5}}$ (8) = $\frac{(7)}{(3)}$ (9) = $\frac{(5) \text{ of Table 4}}{(7) \text{ of Table 5}}$

TABLE – 6

DISTRIBUTION OF FARMING HOUSEHOLDS BY CULTIVATED AREA LAST YEAR BY AWRAJAS

AWRAJA	1= No. OF FARMING H/H 2= TOTAL CULTIVATED AREA (HECTARES)	SIZE GROUP OF CULTIVATED HOLDING												
		UP TO 500	501-1000	1001-2000	2001-3000	3001-5000	5001-7000	7001-10000	10001-15000	15001-20000	20001-30000	30001-40000	40001 & above	TOTAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
ADEM MIDIR	1	100	100	1200	1800	4400	4300	4000	5000	1700	1300	1100	1100	26100
	2	2	9	188	434	1777	2484	3148	6091	2780	2943	3943	6356	30215
DAMOT	1	700	755	1060	800	3733	3575	6985	8635	8570	6370	3700	3760	48845
	2	16	61	174	207	1469	2138	5882	11063	14924	15463	12883	21517	85797
MICHENA	1	–	220	1000	700	4140	2920	5040	5840	4240	3120	2200	3820	33240
	2	–	14	149	174	1645	1823	4206	6989	7087	7959	7650	29313	67600
KOLA-DEGA DAMOT	1	400	600	1000	4200	10900	4750	15330	9775	2800	2900	600	500	53725
	2	11	50	125	975	4728	2910	12925	12469	4783	7098	2037	2010	50121
DEBRE MARKOS	1	300	1400	9130	11375	7230	5200	4200	3200	2200	2800	700	2100	49835
	2	9	84	1347	2937	2906	3164	3548	3923	3962	7008	2428	12734	44050
METEKEL	1	100	–	290	1090	2290	2300	1975	2875	1915	2225	550	2580	18190
	2	3	–	39	272	931	1446	1740	3729	3224	5036	1910	19406	37736
MOTTA	1	90	500	2825	4180	4125	2390	3900	4475	1775	1100	500	1300	27160
	2	3	32	398	1053	1674	1424	3160	5319	3029	2601	1681	10423	30797
FOR WHOLE PROVINCE	NO. OF FARMING HOUSSHOLDS	1690	3575	16505	24145	36820	25435	41400	40000	23200	19815	9350	15160	257095
	PERCENTAGE	0.7	1.4	6.4	9.4	14.3	9.9	16.1	15.6	9.0	7.7	3.6	5.9	100.0
	TOTAL CULTIVATED AREA	44	250	2420	6112	15130	15389	34609	49583	39789	48093	32532	102359	346316
	PERCENTAGE	0.0	0.1	0.7	1.8	4.4	4.4	10.0	14.3	11.5	13.9	9.4	29.5	100.0

TABLE - I

NUMBER OF FARMING HOUSEHOLDS BY DIFFERENCE IN CULTIVATED AREA BETWEEN LAST YEAR AND YEAR BEFORE LAST

AWAJA	FARMING HOUSEHOLDS REPORTING (COMPARED TO YEAR BEFORE LAST)							
	NUMBER HAVING SAME CULTIVATED AREA LAST YEAR	NUMBER HAVING GREATER CULTIVATED AREA LAST YEAR	AVERAGE INCREASE IN AREA (HECTARES)	NUMBER HAVING LESS CULTIVATED AREA LAST YEAR	AVERAGE DECREASE in AREA (HECTARES)	NOT STATED	TOTAL NUMBER OF FARMING HOUSEHOLDS	AVERAGE NET INCREASE (+) OR DECREASE (-) IN CULTD. AREA (Sq. METRES)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
ADEN MEDIR	21300	1700	7502	2900	4398	200	26100	0.01-
BAIR BAR	41550	2400	15216	4295	8513	600	48845	0.06+
MIDEBA	23220	1620	36233	7700	7623	700	33240	0.01+
ADLA-DEDA DAROT	49050	1375	13769	2600	7252	700	53725	0.02-
DAMBE MARKOS	43935	900	17046	3700	4146	1300	49835	0.02+
METEKEL	11000	2625	37020	4265	24521	100	18190	0.03-
MOTTA	21925	600	32655	4135	4738	500	27160	0.05+
TOTAL FOR PROVINCE	211980	11420	23333	29595	9004	4100	257095	0.01+

(8) = (2) + (3) + (5) + (7)

$$(9) = \frac{(3) \times (4) - (5) \times (6)}{(8)}$$

TABLE - 5

SOKAR PROVINCE

NUMBER OF FARMING HOUSEHOLDS BY SIZE OF CULTIVATED AREA LAST YEAR AND BY DIFFERENCE IN CULTIVATED AREA BETWEEN LAST YEAR AND YEAR BEFORE LAST FOR PROVINCE

SIZE OF CULTIVATED AREA LAST YEAR (SQ. METERS)	FARMERS REPORTING (COMPARED TO YEAR BEFORE LAST)							AVERAGE NET INCREASE (+) OR DECREASE (-) IN CULTIVATED AREA (SQ. METERS)
	NUMBER HAVING SAME CULTIVATED AREA LAST YEAR	NUMBER HAVING GREATER CULTIVATED AREA LAST YEAR	AVERAGE INCREASE IN AREA (HECTARES)	NUMBER HAVING LESS CULTIVATED AREA LAST YEAR	AVERAGE DECREASE IN AREA (HECTARES)	NOT STATED	TOTAL NUMBER OF FARMING HOUSEHOLDS	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
UP TO 500	1390	-	-	300	2293	-	1690	407.04-
501 - 1000	3275	-	-	100	2930	200	3575	86.81-
1001 - 2000	14950	-	-	855	3480	700	16505	188.26-
2001 - 3000	21055	400	18853	2090	3608	600	24145	0.02+
3001 - 5000	31410	1600	10120	3010	5380	800	36820	0.05-
5001 - 7000	21555	1100	14199	2780	5618	-	25435	0.03+
7001 - 10000	34245	1400	28976	5055	8025	700	41400	0.00+
10001 - 15000	31645	1775	49730	6280	14056	300	40000	0.02-
15001 - 20000	18025	1350	21807	3625	8121	200	23200	0.04+
20001 - 30000	15015	1900	12461	2600	9106	300	19815	0.02+
30001 - 40000	7950	500	10637	800	6648	100	9350	0.01+
40001 and above	11465	1395	25726	2100	17089	200	15160	0.06+
TOTAL	211980	11420	23333	29595	9004	4100	257095	0.04-

$$(8) = (2) + (3) + (5) + (7)$$

$$(9) = \frac{(3) \times (4) - (5) \times (6)}{(8)}$$

TABLE - 9

NUMBER OF FARMING HOUSEHOLDS BY PRINCIPAL REASON FOR NO FURTHER EXPANSION IN CROP AREA, BY AWRAJAS

AWRAJA	NUMBER OF FARMING HOUSEHOLDS REPORTING AS PRINCIPAL REASON								
	LACK OF MARKET	LACK OF MANPOWER	LACK OF DRAFT ANIMALS	LAND NOT AVAILABLE	LAND TOO POOR	LAND TOO WEEDY	OTHER REASONS	REASON NOT STATED	TOTAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
ADAW MIDIR	-	1400	15500	6400	2300	300	200	-	26100
BAHR DAR	-	3870	34830	7485	300	200	1060	1100	48845
BICHENA	-	1920	24250	5120	900	-	620	400	33240
KOLA-DIGA DAMOT	-	3100	39450	8775	1300	100	100	900	53725
DEBRE MARKOS	-	6030	30890	11715	500	-	100	600	49835
METEKEL	-	2125	8590	1700	4075	400	700	600	18190
MOTTA	-	900	23060	2200	300	200	300	200	27160
TOTAL FOR PROVINCE	-	19345	176600	43395	9675	1200	3080	3800	257095

TABLE - 10

NUMBER OF FARMING HOUSEHOLDS BY SECONDARY REASON FOR NO FURTHER EXPANSION IN CROP AREA, BY AWRAJAS

AWRAJA	NUMBER OF FARMING HOUSEHOLDS REPORTING AS SECONDARY REASON								
	LACK OF MARKET	LACK OF MANPOWER	LACK OF DRAFT ANIMALS	LAND NOT AVAILABLE	LAND TOO POOR	LAND TOO WEEDY	OTHER REASONS	REASON NOT STATED	TOTAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
AGEW MIDIR	-	2400	5400	9200	4400	1200	600	2900	26100
BAHR DAR	-	970	8285	17925	3255	500	930	16980	48845
BICHENA	-	2520	5320	9840	3340	1060	4640	6520	33240
KOLA-DEGIA DAMOT	-	4075	8575	31675	3400	1000	500	4500	53725
DEBRE MARKOS	-	12730	11445	18745	2415	-	900	3600	49835
METEKEL	-	3425	2575	1200	2150	1400	250	7190	18190
MOTTA	-	2490	2100	10580	3840	2300	2100	3750	27160
TOTAL FOR PROVINCE	-	28610	43700	99165	22800	7460	9920	45440	257095

TABLE - 11

NUMBER OF FARMING HOUSEHOLDS BY PRINCIPAL REASON FOR NO FURTHER EXPANSION IN CROP AREA & BY AREA UNDER CROPS LAST YEAR FOR PROVINCE

SIZE OF CULTIVATED AREA LAST YEAR (SQ. METERS)	NUMBER OF FARMING HOUSEHOLDS REPORTING AS PRINCIPAL REASON								
	LACK OF MARKET	LACK OF MANPOWER	LACK OF DRAFT ANIMALS	LAND NOT AVAILABLE	LAND TOO POOR	LAND TOO WEEDY	OTHER REASONS	REASON NOT STATED	TOTAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
UP TO 500	-	300	1090	300	-	-	-	-	1690
501 - 1000	-	900	2175	500	-	-	-	-	3575
1001 - 2000	-	1415	11430	3260	100	-	300	-	16505
2001 - 3000	-	1800	17530	4015	500	-	100	200	24145
3001 - 5000	-	3115	25925	6560	200	100	220	700	36820
5001 - 7000	-	1735	18280	4200	800	-	300	100	25435
7001 - 10000	-	2400	28185	8015	1500	100	100	1100	41400
10001 - 15000	-	3100	26840	5460	3500	400	300	800	40000
15001 - 20000	-	1490	16125	3525	900	200	660	300	23200
20001 - 30000	-	1850	12565	3100	1200	100	400	600	19915
30001 - 40000	-	200	6250	1900	600	100	200	100	9350
40001 and above	-	1020	13205	2560	375	200	500	300	18160
TOTAL	-	19345	176600	43395	9675	1200	3080	3800	257095

TABLE - 12

NUMBER OF FARMING HOUSEHOLDS BY SECONDARY REASON FOR NO FURTHER EXPANSION IN CROP AREA & BY AREA UNDER CROPS LAST YEAR FOR PROVINCE

SIZE OF CULTIVATED AREA LAST YEAR (SQ. METERS)	NUMBER OF FARMERS REPORTING AS SECONDARY REASON								
	LACK OF MARKET	LACK OF MANPOWER	LACK OF DRAFT ANIMALS	LAND NOT AVAILABLE	LAND TOO POOR	LAND TOO WEEDY	OTHER REASONS	REASON NOT STATED	TOTAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
UP TO 500	-	-	600	600	-	100	-	390	1690
501 - 1000	-	555	1100	1400	100	100	120	200	3575
1001 - 2000	-	2405	3475	6990	1155	400	300	1780	16505
2001 - 3000	-	3815	4315	10530	1705	300	600	2880	24145
3001 - 5000	-	3790	6675	17200	2665	800	1000	4690	36820
5001 - 7000	-	3250	4400	9225	2400	900	1060	4200	25435
7001 - 10000	-	4275	7995	16020	4420	500	1930	6260	41400
10001 - 15000	-	3655	5760	16255	2675	1495	2280	7880	40000
15001 - 20000	-	1710	3525	7275	3105	895	1230	5460	23200
20001 - 30000	-	2100	2200	6770	2375	770	700	4900	19815
30001 - 40000	-	1200	1600	2600	1000	350	500	2100	9350
40001 and above	-	1855	2055	4300	1200	850	200	4700	15160
TOTAL	-	28610	43700	99165	22800	7460	9920	45440	257095

TABLE - 1

AVERAGE AREAS OF LOCAL LAND MEASUREMENT UNITS

AWRAJA	NAME OF MEASUREMENT UNIT	AVERAGE AREA OF UNIT (SQ. METERS)	NUMBER OF FIELDS MEASURED
(1)	(2)	(3)	(4)
GARA GURACHA	Ketera	153	2
(ADAL & ISSA)	Koti	1554	38
	Timad	1207	54
	Oye	6332	8
	Hectare	10966	9
	Kude	1233	10
CHERCHER	Kert	494	3
	Ketera	163	80
	Timad	1154	798
	Oye	1950	2
DIRE DAWA	Timad	1097	46
	Moya	1704	3
GARA-MULETA	Ketera	157	33
	Timad	965	165
	Kesha	408	7
	Faga	399	11
GURSUM	Ketera	193	2
	Koti	1156	34
	Timad	787	37
HARAR	Ketera	110	23
	Koti	1000	5
	Mossa	64	1
	Timad	1431	247
	Geyaba	168	5
WEBERA	Ketefa	105	7
	Timad	1034	126
FOR WHOLE	Ketera	152	147
PROVINCE	Koti	1344	77
	Timad	1183	1473
	Oye	5189	10
	Faga	399	11
	Kude	1233	10

TABLE - 2

DISTRIBUTION OF FIELDS BY SIZE FOR PROVINCE

SIZE GROUP (SQ. METERS)	DISTRIBUTION OF FIELDS			
	NUMBER	%	TOTAL AREA (HECTARES)	%
(1)	(2)	(3)	(4)	(5)
UP TO 500	27697	4.5	967	0.2
501 - 1000	56696	9.3	4319	1.1
1001 - 2000	107493	17.6	14344	3.5
2001 - 3000	92439	15.1	22475	5.5
3001 - 5000	121293	19.8	46515	11.5
5001 - 7000	88123	14.4	53282	13.2
7001 - 10000	34440	5.6	29006	7.2
10001 - 15000	30435	5.0	36770	9.1
15001 - 20000	12431	2.0	21769	5.4
20001 - 30000	15540	2.5	38119	9.4
30001 - 40000	7639	1.3	26173	6.5
40001 and above	17583	2.9	110883	27.4
TOTAL	611809	100.0	404622	100.0

TABLE - 1

GROSS AREA SOWN UNDER SELECTED CROPS BY AWRAJAS (HECTARES)

CROP	ADAL-ISSA & GARAGURACHA		CHERCHER		DIRE DAWA		GARAMULETA		GURSUM		HARAR		WENENA		FOR WHOLE PROVINCE	
	AREA SOWN	%	AREA SOWN	%	AREA SOWN	%	AREA SOWN	%	AREA SOWN	%	AREA SOWN	%	AREA SOWN	%	AREA SOWN	%
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
Maize	5709	15.2	30694	18.6	986	10.5	6053	17.0	1419	7.2	9960	8.5	5782	23.8	60623	14.9
Pearl Millet	-	-	67	0.1	-	-	-	-	-	-	-	-	-	-	67	0.0
African Millet	-	-	124	0.1	-	-	-	-	-	-	-	-	-	-	124	0.0
Barley	72	0.2	5080	3.1	84	0.9	1752	4.9	36	0.2	521	0.4	1131	4.7	8676	2.1
Sorghum	29874	79.7	76841	46.7	6739	72.0	21001	59.0	16215	82.4	81772	70.1	11673	48.0	244115	59.9
Wheat	24	0.1	2928	1.7	-	-	280	0.8	6	0.0	328	0.3	803	3.3	4369	1.1
Teff	-	-	17286	10.5	-	-	39	0.1	476	2.4	115	0.1	399	1.6	18315	4.5
Barley & Wheat	-	-	135	0.1	-	-	-	-	-	-	-	-	-	-	135	0.0
Haricot Beans	393	1.1	2270	1.4	-	-	-	-	-	-	14	0.0	404	1.7	3081	0.7
Peas	-	-	2538	1.5	-	-	452	1.3	-	-	99	0.1	55	0.2	3144	0.8
Horse Beans	24	0.1	1527	0.9	-	-	640	1.8	-	-	29	0.0	1051	4.3	3271	0.8
Lentil (Shaya)	-	-	69	0.1	-	-	-	-	-	-	-	-	-	-	69	0.0
Lentils (Misir)	-	-	71	0.1	-	-	-	-	-	-	-	-	54	0.2	125	0.0
Chick Peas	-	-	11	0.0	-	-	-	-	-	-	-	-	-	-	11	0.0
Broad Beans & Peas	-	-	-	-	-	-	-	-	-	-	-	-	31	0.1	31	0.0
Ground Nuts	-	-	-	-	-	-	-	-	393	1.5	1171	1.0	-	-	1474	0.4
Linseed	-	-	45	0.0	-	-	-	-	-	-	-	-	-	-	45	0.0
Coffee	399	1.0	17603	10.7	529	5.6	2067	5.8	133	0.7	3441	2.9	1033	4.3	25207	6.2
Chat	393	1.1	4908	3.0	1001	10.7	2757	7.7	1097	5.6	15017	12.9	1689	6.9	26864	6.6
Gesho	-	-	-	-	-	-	-	-	-	-	60	0.1	-	-	60	0.0
Bananas	37	0.1	23	0.0	32	0.3	24	0.1	-	-	60	0.1	25	0.1	221	0.1
Others	545	1.4	2415	1.4	-	-	554	1.5	-	-	4106	3.5	199	0.8	7819	1.9
TOTAL	37483	100.0	164635	100.0	9362	100.0	35619	100.0	19685	100.0	116713	100.0	24349	100.0	407546	100.0

TABLE - 4

TOTAL CULTIVATED AREA BY AWRAJAS (HECTARES)

AWRAJA	CULTIVATED AREA					CULTIVATED AREA OUTSIDE AS PERCENTAGE OF TOTAL CULTIVATED AREA	CULTIVATED AREA OWNED	CULTIVATED AREA OWNED AS PERCENTAGE OF TOTAL CULTIVATED AREA
	INSIDE THE SUBDIVISION	OUTSIDE THE SUBDIVISION	NOT STATED	TOTAL CULTIVATED AREA	%			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
ADAL-ISSA & GARAGURACHA	35209	2274	-	37483	9.3	6.1	10174	27.1
CHENCHER	152009	10598	641	163248	40.3	6.5	46661	28.6
DIRE DAWA	9123	130	110	9363	2.3	1.4	7919	84.6
GARA-MULSTA	31352	2976	241	34569	8.5	8.6	22586	65.3
GURSUM	19465	219	-	19684	4.9	1.1	13752	69.9
HARAR	113126	2636	835	116597	28.8	2.3	102261	87.7
WEBERA	22765	913	-	23678	5.9	3.9	18814	79.5
TOTAL FOR PROVINCE	383049	19746	1827	404622	100.0	4.9	222167	54.9

$$(7) = \frac{(3)}{(5)} \times 100$$

$$(9) = \frac{(8)}{(5)} \times 100$$

TABLE - 5

AVERAGE CULTIVATED AREA PER HOUSEHOLD AND AVERAGE SIZE OF FIELD BY AWRAJAS

AWRAJA	TOTAL NUMBER OF HOUSEHOLDS	NUMBER OF FARMING HOUSEHOLDS	PERCENTAGE OF HOUSEHOLDS REPORTING CULTIVATED LAND LAST YEAR	CULTIVATED AREA PER		NUMBER OF FIELDS		AVERAGE SIZE OF FIELD
				HOUSEHOLD (HECTARES)	FARMING HOUSEHOLD (HECTARES)	TOTAL	AVERAGE PER FARMING HOUSEHOLD	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
ADAL-ESSA & GARAGUTACHA	17537	15240	86.9	2.1	2.5	22019	1.4	1.7
CHERCHER	116962	101240	86.6	1.4	1.6	278990	2.8	0.6
DIRE DAWA	8600	8000	93.0	1.1	1.2	17800	2.2	0.5
GARAMULETA	33600	30400	90.5	1.0	1.1	74300	2.4	0.5
GURSUM	13100	12100	92.4	1.5	1.6	22200	1.8	0.9
HARAR	70400	60200	85.5	1.7	1.9	138700	2.3	0.8
WEMBRA	28700	26000	90.6	0.8	0.9	57500	2.2	0.4
TOTAL FOR PROVINCE	288899	253180	87.6	1.4	1.6	611509	2.4	0.7

(4) = (3) X 100 / (2)

(5) = (3) of table 4 / (2) of table 3

(6) = (5) of table 4 / (3) of table 3

(8) = (7) / (3)

(9) = (4) of table 4 / (7) of table 3

TABLE - 6

DISTRIBUTION OF FARMING HOUSEHOLDS BY CULTIVATED AREA LAST YEAR BY AWRAJAS

AWRAJA	1= NO. OF FARMING H/H 2= TOTAL CULTIVATED AREA (HECTARES)	SIZE GROUP OF CULTIVATED HOLDING												
		UP TO 500	501-1000	1001-2000	2001-3000	3001-5000	5001-7000	7001-10000	10001-15000	15001-20000	20001-30000	30001-40000	40001 & above	TOTAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
ADAL-ISSA & GARAGURACHA	1	-	3	264	327	757	1793	2466	2632	1008	1934	767	3229	15240
	2	-	1	32	81	331	1081	2135	3264	1759	4918	2659	21222	37483
CHERCHER	1	42	562	2508	4014	13752	15438	15336	19784	8900	5640	4450	10814	101240
	2	2	42	358	983	5669	9582	13098	24196	15183	13485	15312	65338	163248
DIRE DAWA	1	-	-	200	300	1100	2300	1500	1000	500	500	100	500	8000
	2	-	-	33	69	460	1355	1273	1231	791	1120	372	2659	9363
GARAMULETA	1	300	1100	2000	2600	7100	4700	3900	3400	1400	1100	700	2100	30400
	2	7	104	356	686	2903	2816	3296	4059	2316	2663	2366	13006	34569
GURSUM	1	100	350	450	300	1900	2500	1700	1400	800	400	400	1800	12100
	2	4	27	65	71	764	1517	1459	1732	1421	939	1258	10427	19684
HARAR	1	-	300	900	1300	3100	4300	9400	13500	8500	8700	1800	8400	60200
	2	-	20	127	347	1262	2525	7849	16364	14705	20640	5997	46761	116597
WEBERA	1	100	500	1400	2500	6600	3800	5100	2700	1200	1000	400	700	26000
	2	4	31	179	554	2491	2288	4225	3174	2097	2359	1450	4826	23678
FOR WHOLE PROVINCE	NO. OF FARMING HOUSEHOLDS	542	2815	7722	11341	34309	34831	39402	44416	22308	19334	8617	27543	253180
	PERCENTAGE	0.2	1.1	3.0	4.5	13.6	13.8	15.6	17.5	8.8	7.6	3.4	10.9	100.0
	TOTAL CULTIVATED AREA	17	225	1150	2791	13880	21164	33335	54011	38272	46124	29414	164239	404622
	PERCENTAGE	0.0	0.1	0.3	0.7	3.4	5.2	8.2	13.3	9.5	11.4	7.3	40.6	100.0

HARARGE PROVINCE

TABLE - 7

NUMBER OF FARMING HOUSEHOLDS BY DIFFERENCE IN CULTIVATED AREA BETWEEN LAST YEAR AND YEAR BEFORE LAST

AWRAJA	FARMING HOUSEHOLDS REPORTING (COMPARED TO YEAR BEFORE LAST)							
	NUMBER HAVING SAME CULTIVATED AREA - LAST YEAR	NUMBER HAVING GREATER CULTIVATED AREA LAST YEAR	AVERAGE INCREASE IN AREA (HECTARES)	NUMBER HAVING LESS CULTIVATED AREA LAST YEAR	AVERAGE DECREASE IN AREA (HECTARES)	NOT STATED	TOTAL NUMBER OF FARMING HOUSEHOLDS	AVERAGE NET INCREASE (+) OR DECREASE (-) IN CULTD. AREA
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
ADAL-ESSA & GARAGUTACHA	13245	1006	0.80	725	1.10	264	15240	0.01-
CHERCHER	86742	6290	0.65	7606	0.54	600	101240	0.05-
DIRE DAWA	7400	100	0.99	500	0.20	-	8000	0.03-
GARAMULETA	28100	1200	0.25	800	0.38	300	30400	0.01-
JIJIGA	11650	200	0.62	250	0.50	-	12100	0.00
HARAR	52900	900	3.13	5200	0.54	1200	60200	0.03+
WENJA	24600	700	0.46	200	1.45	500	26000	0.00
TOTAL FOR PROVINCE	224637	10396	0.82	15283	0.56	2564	253180	0.02-

(8) = (2) + (3) + (5) + (7)

(9) = $\frac{(3) \times (4) - (5) \times (6)}{(8)}$

TABLE - 2

NUMBER OF FARMING HOUSEHOLDS BY SIZE OF CULTIVATED AREA LAST YEAR AND BY DIFFERENCE IN CULTIVATED AREA BETWEEN LAST YEAR AND YEAR BEFORE LAST FOR PROVINCE

SIZE OF CULTIVATED AREA LAST YEAR (SQ. METRES)	FARMERS REPORTING (COMPARED TO YEAR BEFORE LAST)							
	NUMBER HAVING SAME CULTIVATED AREA LAST YEAR	NUMBER HAVING GREATER CULTIVATED AREA LAST YEAR	AVERAGE INCREASE IN AREA (HECTARES)	NUMBER HAVING LESS CULTIVATED AREA LAST YEAR	AVERAGE DECREASE IN AREA (HECTARES)	NOT STATED	TOTAL NUMBER OF FARMING HOUSEHOLDS	AVERAGE NET INCREASE (+) OR DECREASE (-) IN CULTD. AREA
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
UP TO 500	442	-	-	100	0.05	-	542	89.11-
501 - 1000	2274	200	0.56	201	0.56	200	2815	0.00-
1001 - 2000	6787	150	1.33	684	0.29	101	7722	0.04+
2001 - 3000	10172	101	1.44	768	0.19	300	11341	0.03-
3001 - 5000	31469	800	0.59	1640	0.29	400	34309	0.01-
5001 - 7000	31545	1342	0.43	1544	0.37	400	34831	0.01-
7001 - 10000	35026	1701	0.79	2312	0.58	363	39402	0.00+
10001 - 15000	39324	2500	0.53	2092	0.63	500	44416	0.02+
15001 - 20000	19655	701	1.10	1852	0.42	100	22308	0.01-
20001 - 30000	16546	1201	0.65	1187	0.66	400	19334	0.00-
30001 - 40000	7597	317	1.81	703	0.82	-	8617	0.00+
40001 and above	23860	1383	1.62	2200	1.02	100	27543	0.02+
TOTAL	224637	10396	0.82	15283	0.56	2864	253180	0.02-

(8) = (2) + (3) + (5) + (7)

$$(9) = \frac{(3) \times (4) - (5) \times (6)}{(8)}$$

HARARGE PROVINCE

TABLE - 9

NUMBER OF FARMING HOUSEHOLDS BY PRINCIPAL REASON FOR NO FURTHER EXPANSION IN CROP AREA, BY AWRAJAS

AWRAJA	NUMBER OF FARMING HOUSEHOLDS REPORTING AS PRINCIPAL REASON								
	LACK OF MARKET	LACK OF MANPOWER	LACK OF DRAFT ANIMALS	LAND NOT AVAILABLE	LAND TOO POOR	LAND TOO WEEDY	OTHER REASONS	REASON NOT STATED	TOTAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
ADAL-DIGA & GARAMULETA	-	1699	7126	5131	514	203	461	106	15240
CHELCHELE	200	18666	37758	38322	4694	700	1100	3800	101240
DIRE DAWA	-	1300	2000	4300	400	-	-	-	8000
GARAMULETA	-	3800	6100	17100	3200	-	100	100	30400
GURSUM	-	1350	5200	5350	200	-	-	-	12100
HARAR	-	5700	17500	27400	4600	2400	1700	300	60000	
[illegible]	-	1900	6600	14400	2200	-	-	900	26000
TOTAL FOR PROVINCE	200	30415	82284	112003	15808	3303	3361	5806	253180

TABLE - 10

NUMBER OF FARMING HOUSEHOLDS BY SECONDARY REASON FOR NO FURTHER EXPANSION IN CROP AREA, BY AWRAJAS

AWRAJA	NUMBER OF FARMING HOUSEHOLDS REPORTING AS SECONDARY REASON								
	LACK OF MARKET	LACK OF MANPOWER	LACK OF DRAFT ANIMALS	LAND NOT AVAILABLE	LAND TOO POOR	LAND TOO WEEDY	OTHER REASONS	REASON NOT STATED	TOTAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
ADAL-ISSA & GARAGURACHA	1	2308	3322	5271	529	2	592	3215	15240
CHERCHER	-	8100	22450	20778	6188	1416	500	41808	101240
DIRE DAWA	-	1000	2200	1100	-	100	100	3500	8000
GARAMULETA	-	1400	4600	3100	600	-	400	20300	30400
GURSUM	-	2200	2450	3850	950	-	200	2450	12100
HARAR	-	7100	20000	14100	10300	1300	3100	4300	60200
WEBERA	-	1900	9100	5500	6500	200	400	2400	26000
TOTAL FOR PROVINCE	1	24008	64122	53699	25067	3018	5292	77973	253180

TABLE - 11

NUMBER OF FARMING HOUSEHOLDS BY PRINCIPAL REASON FOR NO FURTHER EXPANSION IN CROP AREA & BY AREA UNDER CROPS LAST YEAR FOR PROVINCE

SIZE OF CULTIVATED AREA LAST YEAR (SQ. METERS)	NUMBER OF FARMING HOUSEHOLDS REPORTING AS PRINCIPAL REASON								
	LACK OF MARKET	LACK OF MANPOWER	LACK OF DRAFT ANIMALS	LAND NOT AVAILABLE	LAND TOO POOR	LAND TOO WEET	OTHER REASONS	REASON NOT STATED	TOTAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
UP TO 500	-	100	200	200	42	-	-	-	542
501 - 1000	-	200	1029	1284	101	-	1	200	2815
1001 - 2000	-	828	2372	4024	500	-	-	-	7722
2001 - 3000	-	1284	3431	5220	1104	1	-	101	11341
3001 - 5000	-	3367	10674	18013	1692	-	343	200	34309
5001 - 7000	-	3812	12371	14941	2244	300	343	800	34811
7001 - 10000	-	4529	11549	17384	2584	700	564	1301	39402
10001 - 15000	-	4529	14928	19157	3000	303	501	1800	44416
15001 - 20000	100	3042	6404	9958	1601	600	202	401	22308
20001 - 30000	-	3152	7483	6570	829	200	402	701	19334
30001 - 40000	-	1763	3016	3134	347	201	101	101	8617
40001 and above	100	3820	8627	11518	1813	800	344	301	27543
TOTAL	200	30415	82254	112003	15808	3323	3351	5806	253160

TABLE - 12

KARAMOJA PROVINCE

NUMBER OF FARMING HOUSEHOLDS BY SECONDARY REASON FOR NO FURTHER EXPANSION
IN CROP AREA & BY AREA UNDER CROPS LAST YEAR FOR PROVINCE

SIZE OF CULTIVATED AREA LAST YEAR (SQ. METRES)	NUMBER OF FARMERS REPORTING AS SECONDARY REASON								
	LACK OF MARKET	LACK OF MANPOWER	LACK OF DRAFT ANIMALS	LAND NOT AVAILABLE	LAND TOO POOR	LAND TOO WEEDY	OTHER REASONS	REASON NOT STATED	TOTAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
UP TO 500	-	42	100	300	100	-	-	-	542
501 - 1000	-	78	643	992	400	-	202	500	2815
1001 - 2000	-	600	2550	2020	402	-	-	2150	7722
2001 - 3000	-	342	3162	2826	1162	100	164	3585	11341
3001 - 5000	-	2509	10484	6623	4205	517	370	9601	34309
5001 - 7000	-	2201	9198	8675	2883	500	431	10943	34831
7001 - 10000	-	4596	9388	8061	3439	600	1165	12153	39402
10001 - 15000	1	4513	10664	9452	4612	301	603	14270	44416
15001 - 20000	-	3017	6135	2900	3100	200	404	6552	22308
20001 - 30000	-	1864	4932	4834	2000	200	924	4580	19334
30001 - 40000	-	816	1601	1700	763	-	301	3436	8617
40001 and above	-	3430	5265	5316	2001	600	728	10203	27543
TOTAL	1	24008	64122	53699	25067	3018	5292	77973	253180

TABLE - 1

AVERAGE AREAS OF LOCAL LAND MEASUREMENT UNITS

AWRAJA	NAME OF MEASUREMENT UNIT	AVERAGE AREA OF UNIT (SQ. METRES)	NUMBER OF FIELDS MEASURED
(1)	(2)	(3)	(4)
BUNO BEDELLE	Senga (Kotio)	913	512
	Timad	598	3
	Keata	312	4
	Guya	335	1
	Debissa	1457	17
GAMBELLA	Kufaro	474	90
	Pur	381	22
GORE	Senga (Kotio)	909	559
	Timad	1109	24
	Keata	776	19
	Guya	509	8
	Geneme	1305	2
	Daye	1144	1
	Horche	553	1
MOTCHA	Senga (Kotio)	1098	20
	Ango	1190	37
	Geto (Timad)	1402	5
	Shoto	1162	10
	Geppa	560	2
	Guya	483	14
FOR WHOLE PROVINCE	Kufaro	474	90
	Senga (Kotio)	914	1091
	Timad	1062	27
	Ango	1190	37
	Shoto	1162	10
	Keata	715	23
	Guya	488	23
	Debissa	1457	17
	Pur	381	22

TABLE - 2

DISTRIBUTION OF FIELDS BY SIZE FOR PROVINCE

SIZE GROUP (SQ. METERS)	DISTRIBUTION OF FIELDS			
	NUMBER	%	TOTAL AREA (HECTARES)	%
(1)	(2)	(3)	(4)	(5)
UP TO 500	20960	5.3	804	0.5
501 - 1000	73200	18.5	6443	3.7
1001 - 2000	103660	26.2	17373	9.8
2001 - 3000	58380	14.8	15315	8.7
3001 - 5000	61260	15.5	24239	13.7
5001 - 7000	24400	6.2	14009	7.9
7001 - 10000	19340	4.9	15969	9.0
10001 - 15000	13160	3.3	16145	9.1
15001 - 20000	7240	1.8	12492	7.1
20001 - 30000	5980	1.5	14336	8.1
30001 - 40000	2900	0.8	9917	5.6
40001 and above	4780	1.2	29719	16.8
TOTAL	395260	100.0	176761	100.0

TABLE - 3

GROSS AREA SOWN UNDER SELECTED CROPS BY AWRAJAS (HECTARES)

C R O P	BUNO BEDELLE		GAMBELLA		GORE		MOTCHA		FOR WHOLE PROVINCE	
	AREA SOWN	%	AREA SOWN	%	AREA SOWN	%	AREA SOWN	%	AREA SOWN	%
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Maize	21230	28.4	8463	59.5	49269	60.6	3613	41.8	82575	46.1
African Millet	1415	1.9	-	-	2519	3.1	148	1.7	4082	2.3
Barley	4140	5.5	-	-	585	0.7	608	7.0	5333	3.0
Sorghum	5875	7.8	5681	39.9	11603	14.3	635	7.3	23794	13.3
Wheat	1588	2.1	-	-	4	0.0	148	1.7	1740	1.0
Teff	26401	35.3	-	-	4564	5.6	946	11.0	31911	17.8
Haricot Beans	-	-	-	-	9	0.0	-	-	9	0.0
Peas	5885	7.9	-	-	3169	3.9	732	8.5	9786	5.5
Horse Beans	2771	3.7	-	-	810	1.0	260	3.0	3841	2.1
Chick Peas	55	0.1	-	-	47	0.1	-	-	102	0.1
Neug	417	0.6	-	-	116	0.1	-	-	533	0.3
Sesame	-	-	84	0.6	15	0.0	-	-	99	0.0
Sunflower	-	-	-	-	5	0.0	-	-	5	0.0
Coffee	4981	6.6	-	-	8597	10.6	425	4.9	14003	7.8
Rhest	4	0.0	-	-	-	-	1130	13.1	1134	0.6
Others	69	0.1	-	-	40	0.0	-	-	109	0.1
ALL CROPS	74831	100.0	14228	100.0	81352	100.0	8645	100.0	179056	100.0

TABLE - 4

TOTAL CULTIVATED AREA BY AWRAJAS (HECTARES)

AWRAJA	CULTIVATED AREA					CULTIVATED AREA OUTSIDE AS PERCENTAGE OF TOTAL CULTIVATED AREA	CULTIVATED AREA OWNED	CULTIVATED AREA OWNED AS PERCENTAGE OF TOTAL CULTIVATED AREA
	INSIDE THE SUBDIVISION	OUTSIDE THE SUBDIVISION	NOT STATED	TOTAL CULTIVATED AREA	%			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
BUNO BEDELLE	71892	1793	-	73685	41.7	2.4	33132	45.0
GAMBELLA	12075	590	9	12674	7.2	4.7	12665	99.9
GORE	80534	793	427	81754	46.2	1.0	12338	15.1
MOTCHA	8521	127	-	8648	4.9	1.5	1617	18.7
TOTAL FOR PROVINCE	173022	3303	436	176761	100.0	1.9	59752	33.8

$$(7) = \frac{(3)}{(5)} \times 100$$

$$(9) = \frac{(8)}{(5)} \times 100$$

TABLE - 5

AVERAGE CULTIVATED AREA PER HOUSEHOLD AND AVERAGE SIZE OF FIELD BY AWRAJAS

AWRAJA	TOTAL NUMBER OF HOUSEHOLDS	NUMBER OF FARMING HOUSEHOLDS	PERCENTAGE OF HOUSEHOLDS REPORTING CULTIVATED LAND LAST YEAR	CULTIVATED AREA PER		NUMBER OF FIELDS		AVERAGE SIZE OF FIELD
				HOUSEHOLD (HECTARES)	FARMING HOUSEHOLD (HECTARES)	TOTAL	AVERAGE PER FARMING HOUSEHOLD	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
NUBO BEDELLE	53600	51000	95.2	1.4	1.4	172000	3.4	0.4
GAMBELLA	8920	8020	89.9	1.4	1.6	9660	1.2	1.3
DORE	74900	70700	94.4	1.1	1.2	186700	2.6	0.4
MOTCHA	8900	8500	95.5	1.0	1.0	26900	3.2	0.3
TOTAL FOR PROVINCE	146320	138220	94.5	1.2	1.3	395260	2.9	0.4

(4) = $\frac{(3) \times 100}{(2)}$; (5) = $\frac{(5) \text{ of table 4}}{(2) \text{ of table 5}}$

(6) = $\frac{(5) \text{ of table 4}}{(3) \text{ of table 5}}$ (8) = $\frac{(7)}{(3)}$ (9) = $\frac{(5) \text{ of table 4}}{(7) \text{ of table 5}}$

TABLE - 6

DISTRIBUTION OF FARMING HOUSEHOLDS BY CULTIVATED AREA LAST YEAR BY AWRAJAS

AWRAJA	1= NO. OF FARMING H/H 2= TOTAL CULTIVATED AREA (HECTARES)	SIZE GROUP OF CULTIVATED HOLDING												
		UP TO 500	501-1000	1001-2000	2001-3000	3001-5000	5001-7000	7001-10000	10001-15000	15001-20000	20001-30000	30001-40000	40001 & above	TOTAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
METU MENELIK	1	200	400	1100	2300	6500	7200	10200	9100	4300	4400	2000	3300	51000
	2	6	36	199	612	2610	4294	8408	11235	7371	10362	6871	21681	73885
GAMBELLA	1	100	320	1540	580	1200	200	600	1320	280	720	140	1020	8020
	2	4	30	251	144	501	125	494	1757	494	1796	474	6602	12674
GORE	1	300	2100	4200	6700	15000	12800	10600	7400	3000	2700	1700	4200	70700
	2	11	186	709	1823	6056	7685	8753	9106	5237	6572	5375	30041	81754
NOTCHA	1	-	100	600	900	1700	1100	1000	1400	800	400	300	200	8500
	2	-	10	95	226	766	628	857	1651	1418	1004	1043	950	8648
FOR WHOLE PROVINCE	NO. OF FARMING HOUSEHOLDS	600	2920	7440	10480	24400	21300	22400	13220	8180	8220	4140	8720	133820
	PERCENTAGE	0.4	2.1	5.4	7.6	17.7	15.4	16.2	13.9	6.1	5.9	3.0	6.3	100.0
	TOTAL CULTIVATED AREA	21	262	1254	2805	9333	12732	13512	23749	14520	19736	13763	59274	176761
	PERCENTAGE	0.0	0.2	0.7	1.6	5.6	7.2	10.5	13.4	8.2	11.2	7.9	33.5	100.0

ILUBABOR PROVINCE

TABLE - 7

NUMBER OF FARMING HOUSEHOLDS BY DIFFERENCE IN CULTIVATED AREA BETWEEN LAST YEAR AND YEAR BEFORE LAST

AWRAJA	FARMING HOUSEHOLDS REPORTING (COMPARED TO YEAR BEFORE LAST)							
	NUMBER HAVING SAME CULTIVATED AREA LAST YEAR	NUMBER HAVING GREATER CULTIVATED AREA LAST YEAR	AVERAGE INCREASE IN AREA (HECTARES)	NUMBER HAVING LESS CULTIVATED AREA LAST YEAR	AVERAGE DECREASE IN AREA (HECTARES)	NOT STATED	TOTAL NUMBER OF FARMING HOUSEHOLDS	AVERAGE NET INCREASE (+) OR DECREASE (-) IN CULTD. AREA
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
MONO DEDELLE	20300	13800	5.29	16600	4.40	300	51000	0.02+
GAREILLA	5940	900	0.19	1040	0.16	140	8020	0.05-
OCHE	35200	10500	6.88	24400	2.96	600	70700	0.12+
MOTCHA	4800	1100	0.31	2400	0.14	200	8500	0.19-
TOTAL FOR PROVINCE	66240	26300	1.74	44440	1.03	1240	138220	0.05+

(8) = (2) + (3) + (5) + (7)

$$(9) = \frac{(3) \times (4) - (5) \times (6)}{(8)}$$

TAVUNIA PROVINCE

TABLE - 8

NUMBER OF FARMING HOUSEHOLDS BY SIZE OF CULTIVATED AREA LAST YEAR AND BY DIFFERENCE IN CULTIVATED AREA BETWEEN LAST YEAR AND YEAR BEFORE LAST FOR PROVINCE

SIZE OF CULTIVATED AREA LAST YEAR (SQ. METRES)	FARMERS REPORTING (COMPARED TO YEAR BEFORE LAST)							
	NUMBER HAVING SAME CULTIVATED AREA LAST YEAR	NUMBER HAVING GREATER CULTIVATED AREA LAST YEAR	AVERAGE INCREASE IN AREA (HECTARES)	NUMBER HAVING LESS CULTIVATED AREA LAST YEAR	AVERAGE DECREASE IN AREA (HECTARES)	NOT STATED	TOTAL NUMBER OF FARMING HOUSEHOLDS	AVERAGE NET INCREASE (+) OR DECREASE (-) IN CULTD. AREA (SQ. METRES)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
UP TO 500	380	-	-	200	-	20	600	0.00
501 - 1000	1280	440	13.78	1200	41.72	-	2920	0.19-
1001 - 2000	4140	440	0.07	2860	0.01	-	7440	0.05+
2001 - 3000	5340	1140	0.12	3800	0.04	200	10480	0.00
3001 - 5000	11400	3900	7.86	8900	3.45	200	24400	0.10-
5001 - 7000	10560	3420	0.21	6820	0.11	500	21300	0.11-
7001 - 10000	10040	5880	3.61	6480	3.27	-	22400	0.18-
10001 - 15000	8960	4880	0.22	5260	0.21	120	19220	0.03+
15001 - 20000	3680	2320	0.32	2280	0.33	100	8380	0.05-
20001 - 30000	4060	1420	0.29	2740	0.15	-	8220	0.13+
30001 - 40000	2080	660	60.85	1400	28.69	-	4140	0.02-
40001 and above	4320	1800	0.27	2500	0.19	100	8720	0.14-
TOTAL	66240	26300	1.74	44440	1.03	1240	138220	0.05+

(8) = (2) + (3) + (5) + (7)

$$(9) = \frac{(3) \times (4) - (5) \times (6)}{(6)}$$

TABLE - 9

NUMBER OF FARMING HOUSEHOLDS BY PRINCIPAL REASON FOR NO FURTHER EXPANSION IN CROP AREA, BY AWRAJAS

AWRAJA	NUMBER OF FARMING HOUSEHOLDS REPORTING AS PRINCIPAL REASON								
	LACK OF MARKET	LACK OF MANPOWER	LACK OF DRAFT ANIMALS	LAND NOT AVAILABLE	LAND TOO POOR	LAND TOO WEEDY	OTHER REASONS	REASON NOT STATED	TOTAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
[illegible]	-	9500	28500	5200	4900	1200	1000	400	51000
[illegible]	1200	3440	1460	1500	-	80	160	180	8020
[illegible]	100	10700	44400	11100	1900	500	1900	100	70700
[illegible]	-	2200	4100	800	600	-	700	100	8500
TOTAL FOR PROVINCE	1300	26140	78460	18600	7400	1780	3760	780	138220

ILLUBABOR PROVINCE

TABLE - 10

NUMBER OF FARMING HOUSEHOLDS BY SECONDARY REASON FOR NO FURTHER EXPANSION IN CROP AREA, BY AWRAJAS

AWRAJA	NUMBER OF FARMING HOUSEHOLDS REPORTING AS SECONDARY REASON								
	LACK OF MARKET	LACK OF MANPOWER	LACK OF DRAFT ANIMALS	LAND NOT AVAILABLE	LAND TOO POOR	LAND TOO WEEDY	OTHER REASONS	REASON NOT STATED	TOTAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
BUNO BEDELLE	100	15300	11200	7400	5000	5300	3700	3000	51000
GANBELLA	1340	720	1380	560	100	1140	150	2620	8220
GORE	300	14800	9200	14700	7100	3600	13900	7100	70700
MOTCHA	-	1500	1100	1000	600	500	2800	1000	8500
TOTAL FOR PROVINCE	1740	32320	22880	23660	12800	10540	20560	13720	138220

ILLUBABOR PROVINCE

TABLE - 11

NUMBER OF FARMING HOUSEHOLDS BY PRINCIPAL REASON FOR NO FURTHER EXPANSION IN CROP AREA & BY AREA UNDER CROPS LAST YEAR FOR PROVINCE

SIZE OF CULTIVATED AREA LAST YEAR (SQ. METRES)	NUMBER OF FARMING HOUSEHOLDS REPORTING AS PRINCIPAL REASON								
	LACK OF MARKET	LACK OF MANPOWER	LACK OF DRAFT ANIMALS	LAND NOT AVAILABLE	LAND TOO POOR	LAND TOO WEEDY	OTHER REASONS	REASON NOT STATED	TOTAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
UP TO 500	-	320	200	60	-	-	-	20	600
501 - 1000	-	840	1300	740	-	20	-	20	2920
1001 - 2000	40	1680	4740	640	200	-	100	40	7440
2001 - 3000	20	2000	6900	1100	100	140	200	20	10480
3001 - 5000	100	5020	15000	3220	700	20	220	120	24400
5001 - 7000	-	2000	13600	3600	1300	200	600	-	21300
7001 - 10000	120	3840	12600	3380	1000	300	820	320	22400
10001 - 15000	220	3120	10220	2940	1600	400	400	120	19220
15001 - 20000	-	1940	4300	540	1000	100	400	100	8380
20001 - 30000	400	1860	3900	840	600	200	400	20	8220
30001 - 40000	-	1000	2000	440	300	100	300	-	4140
40001 and above	400	2300	3700	1100	600	300	320	-	8720
TOTAL	1300	26140	78460	15600	7400	1780	3740	780	135220

TABLE - 12

TELANGANA PROVINCE

NUMBER OF FARMING HOUSEHOLDS BY SECONDARY REASON FOR NO FURTHER EXPANSION IN CROP AREA & BY AREA UNDER CROPS LAST YEAR FOR PROVINCE

SIZE OF CULTIVATED AREA LAST YEAR (SQ. METERS)	NUMBER OF FARMERS REPORTING AS SECONDARY REASON								
	LACK OF MARKET	LACK OF MANPOWER	LACK OF DRAFT ANIMALS	LAND NOT AVAILABLE	LAND TOO POOR	LAND TOO WEEDY	OTHER REASONS	REASON NOT STATED	TOTAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
UP TO 500	-	100	200	-	-	-	-	300	600
501 - 1000	40	840	800	440	100	40	320	340	2920
1001 - 2000	560	1880	820	2060	420	320	400	980	7440
2001 - 3000	20	3060	1840	2140	600	480	1000	1340	10480
3001 - 5000	40	5160	3600	5160	2220	1420	3660	3140	24400
5001 - 7000	-	5040	2500	4500	2400	1440	3840	1580	21300
7001 - 10000	100	5460	4260	3360	2220	1660	3620	1720	22400
10001 - 15000	520	4020	3640	2500	2320	1680	2700	1840	19220
15001 - 20000	40	1700	1100	1040	800	720	1500	1480	8380
20001 - 30000	220	2620	1500	1220	800	780	900	180	8220
30001 - 40000	-	1020	820	520	400	560	600	220	4140
40001 and above	200	1420	1800	720	520	1440	2020	600	8720
TOTAL	1740	32320	22880	23660	12800	10540	20560	13720	138220

TABLE - 1

AVERAGE AREAS OF LOCAL LAND MEASUREMENT UNITS

AWRAJA	NAME OF MEASUREMENT UNIT	AVERAGE AREA OF UNIT (SQ. METRES)	NUMBER OF FIELDS MEASURED
(1)	(2)	(3)	(4)
GIMIRA	Kela	33	1
	Kufaro	39	5
	Tisad	1993	2
	Ango	1350	3
	Kesha	726	17
	Metigokun	84	40
	Zana	270	4
	Bejab	135	5
	Gido	979	38
JIMMA	Kelena	1716	1
	Welka	1235	20
	Senga (Kotio)	896	625
	Tisad	1559	13
	Guya	93	4
	Fechasa	1747	18
	Gorro	410	27
	Kindi	629	7
KEFFA	Tisad	678	7
	Ango	821	615
	Shoto	1344	2
	Bo-o	548	2
	Harro	524	16
	Kedo	290	4
KULO KONTA	Welka	827	160
	Harra	375	1
	Wassa	205	3
	Tisad	708	4
	Saite	547	1
	Bo-o	481	14
	Watisa	871	117
	Watta	903	27
LIMU	Fer	8059	1
	Senga (Kotio)	1003	729
	Tisad	1192	20
	Ango	395	10
	Fechasa	1444	111
	Gorro	698	5
	Chebesa	18021	1
	Oule	2031	3
	Bo-o	136	3
NADJI & GOLDIA	Tisad	914	47
	Komosh	325	32
	Oseo	134	15
	Kelt	532	2
FOR WHOLE PROVINCE	Senga (Kotio)	953	1395
	Tisad	1197	93
	Ango	822	628
	Kesha	726	17
	Fechasa	1584	189
	Gorro	478	32
	Bo-o	442	21
	Watisa	871	117
	Watta	903	27
	Harro	524	16
	Metigokun	84	40
	Komosh	325	32
	Kelt	134	15
	Kedo	179	38
	Welka	868	180

TABLE - 2

DISTRIBUTION OF FIELDS BY SIZE FOR PROVINCE

SIZE GROUP (SQ. METERS)	DISTRIBUTION OF FIELDS			
	NUMBER	%	TOTAL AREA (HECTARES)	%
(1)	(2)	(3)	(4)	(5)
UP TO 500	72045	8.8	2495	1.4
501 - 1000	177155	21.6	13973	7.6
1001 - 2000	243055	29.6	36637	19.8
2001 - 3000	140670	17.2	33658	18.2
3001 - 5000	123030	15.0	46050	24.9
5001 - 7000	37165	4.5	21099	11.4
7001 - 10000	16100	2.0	13333	7.2
10001 - 15000	7470	0.9	8737	4.7
15001 - 20000	1300	0.2	2217	1.2
20001 - 30000	1080	0.1	2648	1.4
30001 - 40000	700	0.1	2311	1.2
40001 and above	300	0.0	1872	1.0
TOTAL	820070	100.0	185030	100.0

TABLE - 3

GROSS AREA SOWN UNDER SELECTED CROPS BY AWRAJAS (HECTARES)

CROP	GIMIRA		JIMMA		KEFFA		KULO KONTA		LIMU		MADJI & GOLDIA		FOR WHOLE PROVINCE	
	AREA SOWN	%	AREA SOWN	%	AREA SOWN	%	AREA SOWN	%	AREA SOWN	%	AREA SOWN	%	AREA SOWN	%
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
Maize	1811	31.8	17370	29.1	12174	35.4	4673	19.6	21600	35.1	1929	39.5	59557	31.4
African Millet	-	-	121	0.2	53	0.2	-	-	2605	4.2	-	-	2779	1.5
Barley	108	1.9	4895	8.2	2336	6.8	1750	7.3	523	0.9	463	9.5	10075	5.3
Sorghum	1695	29.8	4750	8.0	2075	6.0	3053	12.8	4371	7.1	1579	32.3	17523	9.2
Wheat	-	-	4388	7.4	584	1.7	296	1.2	313	0.5	1	0.0	5582	2.9
Teff	37	0.7	17815	29.9	8115	23.6	6381	26.7	16622	27.1	284	5.8	49254	26.0
Barley/Wheat	-	-	-	-	-	-	-	-	60	0.1	-	-	60	0.0
Haricot Beans	2	0.0	-	-	186	0.5	1	0.0	3	0.0	252	5.2	444	0.2
Peas	128	2.2	812	1.4	1807	5.3	1324	5.6	381	0.6	76	1.6	4528	2.4
Horse Beans	57	1.0	1060	1.8	2957	8.6	1609	6.8	299	0.5	3	0.0	5985	3.2
Lentil (Guaya)	-	-	-	-	-	-	45	0.2	-	-	-	-	45	0.0
Chick Peas	-	-	-	-	-	-	-	-	10	0.0	-	-	10	0.0
Horse Beans & Peas	27	0.5	-	-	-	-	-	-	-	-	-	-	27	0.0
Castor Beans	-	-	-	-	-	-	9	0.0	-	-	-	-	9	0.0
Neug	-	-	-	-	-	-	-	-	68	0.1	-	-	68	0.0
Coffee	302	5.3	4395	7.4	850	2.5	393	1.6	13932	22.7	156	3.2	20028	10.5
Chat	-	-	254	0.4	-	-	-	-	37	0.1	-	-	291	0.2
Enset	432	7.6	2043	3.4	3123	9.1	3967	16.6	391	0.6	131	2.7	10087	5.3
Others	1090	19.2	1685	2.8	121	0.3	376	1.6	238	0.4	9	0.2	3519	1.9
ALL CROPS	5689	100.0	59588	100.0	34381	100.0	23877	100.0	61453	100.0	4883	100.0	189871	100.0

KEFFA PROVINCE

TABLE - 4

TOTAL CULTIVATED AREA BY AWRAJAS (HECTARES)

AWRAJA	CULTIVATED AREA				CULTIVATED AREA OUTSIDE AS PERCENTAGE OF TOTAL CULTIVATED AREA	CULTIVATED AREA OWNED	CULTIVATED AREA OWNED AS PERCENTAGE OF TOTAL CULTIVATED AREA
	INSIDE THE SUBDIVISION	OUTSIDE THE SUBDIVISION	TOTAL CULTIVATED AREA	%			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
GIMIRA	4923	310	5233	2.8	5.9	1951	37.3
JIMMA	53977	2549	56526	30.5	4.5	24160	42.7
KEFFA	31922	1308	33230	18.0	3.9	10528	31.7
KULO KONTA	22749	1132	23881	12.9	4.7	11058	46.3
LIMU	58030	3523	61553	33.3	5.7	25391	41.3
MADJI & GOLDIA	4486	121	4607	2.5	2.6	2521	54.7
TOTAL FOR PROVINCE	176087	8943	185030	100.0	4.8	75609	40.9

$$(6) = \frac{(3)}{(4)} \times 100$$

$$(8) = \frac{(7)}{(4)} \times 100$$

TABLE - 5

AVERAGE CULTIVATED AREA PER HOUSEHOLD AND AVERAGE SIZE OF FIELD BY AWRAJAS

AWRAJA	TOTAL NUMBER OF HOUSEHOLDS	NUMBER OF FARMING HOUSEHOLDS	PERCENTAGE OF HOUSEHOLDS REPORTING CULTIVATED LAND LAST YEAR	CULTIVATED AREA PER		NUMBER OF FIELDS		AVERAGE SIZE OF FIELD
				HOUSEHOLD (HECTARES)	FARMING HOUSEHOLD (HECTARES)	TOTAL	AVERAGE PER FARMING HOUSEHOLD	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
GIMIRA	13850	11550	83.4	0.4	0.5	39550	3.4	0.1
JIMMA	88820	80520	90.7	0.6	0.7	241805	3.0	0.2
KEFFA	54100	50000	92.4	0.6	0.7	185900	3.7	0.2
KULO KONTA	39000	36500	93.6	0.6	0.7	101000	2.8	0.2
LIMU	71185	65260	91.7	0.9	0.9	232785	3.6	0.3
MANJI & GOLDIA	6930	6510	93.9	0.7	0.7	17030	2.6	0.3
TOTAL FOR PROVINCE	273885	250340	91.4	0.7	0.7	820070	3.3	0.2

(4) = $\frac{(3) \times 100}{(2)}$; (5) = $\frac{(4) \text{ of table 4}}{(2) \text{ of table 5}}$

(6) = $\frac{(4) \text{ of table 4}}{(3) \text{ of table 5}}$; (8) = $\frac{(7)}{(3)}$; (9) = $\frac{(4) \text{ of table 4}}{(7) \text{ of table 5}}$

TABLE - 4

KWPA PROVINCE

DISTRIBUTION OF FARMING HOUSEHOLDS BY CULTIVATED AREA LAST YEAR BY AREA/AS

AREA/A	1= NO. OF FARMING H/H 2= TOTAL CULTIVATED AREA (HECTARES)	SIZE GROUP OF CULTIVATED HOLDING												
		UP TO 500	501-1000	1001-2000	2001-3000	3001-5000	5001-7000	7001-10000	10001-15000	15001-20000	20001-30000	30001-40000	40001 & above	TOTAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
GINIRA	1	600	1550	1200	1500	3050	2000	1000	300	100	150	-	100	11550
	2	19	120	191	381	1210	1144	833	375	154	348	-	458	5233
JINKA	1	600	2000	3800	6540	19325	17995	15875	9320	2865	1700	300	200	80520
	2	20	163	633	1677	7788	10548	13444	11205	4854	4069	924	1201	56526
KEFFA	1	900	1900	2600	7000	12600	8000	7600	6100	2300	700	200	100	50000
	2	29	149	408	1774	5175	4823	6257	7345	3914	1642	701	1013	33230
KULO KONTA	1	400	1300	4100	3200	10000	6400	5100	3300	1300	700	700	-	36500
	2	12	100	644	814	3924	3811	4309	3998	2236	1641	2392	-	23881
LIMU	1	700	1200	1700	3050	8365	10615	16580	14295	5205	2405	400	745	65260
	2	19	87	226	736	3310	6179	13874	17372	8981	5694	1422	3653	61553
MADJI & GOLDIA	1	10	420	540	650	1440	1160	1240	650	100	200	-	100	6510
	2	1	35	81	149	557	698	1028	717	162	488	-	691	4607
FOR WHOLE PROVINCE	NO. OF FARMING HOUSEHOLDS	3210	8370	13940	21940	54780	46170	47395	33965	11870	5855	1600	1245	250340
	PERCENTAGE	1.3	3.4	5.6	8.8	21.9	18.4	18.9	13.6	4.7	2.3	0.6	0.5	100.0
	TOTAL CULTIVATED AREA	100	654	2183	5531	21964	27203	39745	41012	20301	13882	5439	7016	185030
	PERCENTAGE	0.0	0.3	1.2	3.0	11.9	14.7	21.5	22.2	11.0	7.5	2.9	3.8	100.0

KEFFA PROVINCE

TABLE - 7

NUMBER OF FARMING HOUSEHOLDS BY DIFFERENCE IN CULTIVATED AREA BETWEEN LAST YEAR AND YEAR BEFORE LAST

AWRAJA	FARMING HOUSEHOLDS REPORTING (COMPARED TO YEAR BEFORE LAST)							
	NUMBER HAVING SAME CULTIVATED AREA LAST YEAR	NUMBER HAVING GREATER CULTIVATED AREA LAST YEAR	AVERAGE INCREASE IN AREA (HECTARES)	NUMBER HAVING LESS CULTIVATED AREA LAST YEAR	AVERAGE DECREASE IN AREA (HECTARES)	NOT STATED	TOTAL NUMBER OF FARMING HOUSEHOLDS	AVERAGE NET INCREASE (+) OR DECREASE (-) IN CULTD. AREA (SQ. METRES)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
GIMIRA	5850	1950	0.09	3250	0.06	500	11550	0.00
JIMMA	43630	12780	4.93	22035	2.86	2075	80520	0.09+
KEFFA	24000	10000	0.24	15100	0.16	900	50000	0.04+
KULO KONTA	29000	5300	0.27	10600	0.13	600	36500	0.00
LIMU	37830	13780	1.30	12860	1.40	790	65260	0.09+
MANJI & GOLDIA	1950	1410	0.16	3130	0.07	20	6510	0.02+
TOTAL FOR PROVINCE	141260	45220	1.99	66975	1.27	4885	250140	0.06+

(8) = (2) + (3) + (5) + (7)

$$(9) = \frac{(3) \times (4) - (5) \times (6)}{(8)}$$

CENTRAL PROVINCE

TABLE - 8

NUMBER OF FARMING HOUSEHOLDS BY SIZE OF CULTIVATED AREA LAST YEAR AND BY DIFFERENCE IN CULTIVATED AREA BETWEEN LAST YEAR AND YEAR BEFORE LAST FOR PROVINCE

SIZE OF CULTIVATED AREA LAST YEAR (SQ. METRES)	FARMERS REPORTING (COMPARED TO YEAR BEFORE LAST)							
	NUMBER HAVING SAME CULTIVATED AREA LAST YEAR	NUMBER HAVING GREATER CULTIVATED AREA LAST YEAR	AVERAGE INCREASE IN AREA (HECTARES)	NUMBER HAVING LESS CULTIVATED AREA LAST YEAR	AVERAGE DECREASE IN AREA (HECTARES)	NOT STATED	TOTAL NUMBER OF FARMING HOUSEHOLDS	AVERAGE NET INCREASE (+) OR DECREASE (-) IN CULTD. AREA (SQ. METRES)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
UP TO 500	2200	100	136	810	17	100	3210	0.05-
501 - 1000	4720	200	985	2650	74	800	8370	0.12+
1001 - 2000	7580	975	1111	5185	209	200	13940	0.03-
2001 - 3000	11865	2510	1325	6855	485	710	21940	0.05+
3001 - 5000	28715	8280	1878	16600	931	1185	54780	1.73+
5001 - 7000	24590	7015	1980	13820	1005	745	46170	0.01+
7001 - 10000	24855	10720	15328	11275	14573	545	47395	0.12+
10001 - 15000	17535	9575	65722	6455	97488	400	33965	0.09+
15001 - 20000	6565	3115	3195	1990	5001	200	11870	0.04+
20001 - 30000	3035	1985	4607	835	10932	-	5855	0.00-
30001 - 40000	1000	200	3762	400	1881	-	1600	0.00
40001 and above	600	545	9024	100	49179	-	1245	0.14+
TOTAL	133260	45220	18851	66975	12728	4885	250340	0.06-

(8) = (2) + (3) + (5) + (7)

$$(9) = \frac{(3) \times (4) - (5) \times (6)}{(8)}$$

TABLE - 9

NUMBER OF FARMING HOUSEHOLDS BY PRINCIPAL REASON FOR NO FURTHER EXPANSION IN CROP AREA, BY AWRAJAS

AWRAJA	NUMBER OF FARMING HOUSEHOLDS REPORTING AS PRINCIPAL REASON								
	LACK OF MARKET	LACK OF MANPOWER	LACK OF DRAFT ANIMALS	LAND NOT AVAILABLE	LAND TOO POOR	LAND TOO WEEDY	OTHER REASONS	REASON NOT STATED	TOTAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
GIMIRA	-	5650	2000	2400	200	-	1100	200	11550
JIMMA	-	14390	36575	17145	2545	700	7565	1600	80529
KEFFA	100	13600	20400	10200	700	500	4000	500	50000
KULO KONTA	-	12500	15500	3600	800	-	3600	500	36500
LIMU	-	11930	31470	16245	700	600	3115	1200	65260
WARJI & GOLDIA	-	4740	780	60	-	400	420	110	6510
TOTAL FOR PROVINCE	100	62810	106725	49650	4945	2200	19800	4110	250340

KEFFA PROVINCE

TABLE - 10

NUMBER OF FARMING HOUSEHOLDS BY SECONDARY REASON FOR NO FURTHER EXPANSION IN CROP AREA, BY AWRAJAS

AWRAJA	NUMBER OF FARMING HOUSEHOLDS REPORTING AS SECONDARY REASON								
	LACK OF MARKET	LACK OF MANPOWER	LACK OF DRAFT ANIMALS	LAND NOT AVAILABLE	LAND TOO POOR	LAND TOO WEEDY	OTHER REASONS	REASON NOT STATED	TOTAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
GIMIRA	-	3000	2100	1300	-	850	1300	3000	11550
JIMMA	-	14445	13570	10595	2425	1545	16750	21190	80520
KEFFA	200	6300	11000	8200	500	2300	12300	9200	50000
KULO KONTA	700	7200	6400	6700	1200	200	8700	5400	36500
LIMU	-	16430	13975	11270	2020	1000	5765	14800	65260
MADJI & GOLDIA	-	580	660	160	300	1420	1600	1790	6510
TOTAL FOR PROVINCE	900	47955	47705	38225	6445	7315	46415	55380	250340

TABLE - 11

NUMBER OF FARMING HOUSEHOLDS BY PRINCIPAL REASON FOR NO FURTHER EXPANSION IN CROP AREA & BY AREA UNDER CROPS LAST YEAR FOR PROVINCE

SIZE OF CULTIVATED AREA LAST YEAR (SQ. METERS)	NUMBER OF FARMING HOUSEHOLDS REPORTING AS PRINCIPAL REASON								
	LACK OF MARKET	LACK OF MANPOWER	LACK OF DRAFT ANIMALS	LAND NOT AVAILABLE	LAND TOO POOR	LAND TOO WEEDY	OTHER REASONS	REASON NOT STATED	TOTAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
UP TO 500	-	1710	900	200	-	-	200	200	3210
501 - 1000	-	3150	2710	910	-	100	700	800	8370
1001 - 2000	-	4805	5835	1700	200	-	1300	100	13940
2001 - 3000	-	5360	11235	3560	175	100	1400	300	22130
3001 - 5000	-	13185	25425	9255	725	600	4100	400	54690
5001 - 7000	100	10045	20950	10010	935	100	3130	900	46170
7001 - 10000	-	9970	20575	10815	1435	600	3690	310	47395
10001 - 15000	-	8165	11910	9000	1000	400	2730	600	33865
15001 - 20000	-	2900	4605	2700	275	100	1190	100	11870
20001 - 30000	-	2320	1135	1200	100	200	900	-	5855
30001 - 40000	-	600	300	200	100	-	300	100	1600
40001 and above	-	600	145	100	-	-	100	300	1245
TOTAL	100	62810	106725	43650	4945	2200	19500	4110	250340

KWPA PROVINCE

TABLE - 32

NUMBER OF FARMING HOUSEHOLDS BY SECONDARY REASON FOR NO FURTHER EXPANSION IN CROP AREA & BY AREA UNDER CROPS LAST YEAR FOR PROVINCE

SIZE OF CULTIVATED AREA LAST YEAR (SQ. METRES)	NUMBER OF FARMERS REPORTING AS SECONDARY REASON								
	LACK OF MARKET	LACK OF MANPOWER	LACK OF DRAFT ANIMALS	LAND NOT AVAILABLE	LAND TOO POOR	LAND TOO WEEDY	OTHER REASONS	REASON NOT STATED	TOTAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
UP TO 500	-	300	1000	400	-	100	300	1110	3210
501 - 1000	-	1500	1410	1310	-	200	1100	2850	8370
1001 - 2000	300	2010	3310	2375	200	700	2325	2720	13940
2001 - 3000	-	3860	4305	4590	-	745	4600	4030	22130
3001 - 5000	-	9500	11345	8845	1465	970	12625	9940	54690
5001 - 7000	100	8620	7380	7555	1595	1400	10035	9485	46170
7001 - 10000	100	10525	8425	6215	1225	1400	7665	11840	47395
10001 - 15000	200	7735	7495	4600	1280	900	4845	6810	33865
15001 - 20000	-	2460	1900	1200	345	500	2020	3445	11870
20001 - 30000	100	1100	735	735	335	300	500	2050	5855
30001 - 40000	100	300	200	200	-	-	300	500	1600
40001 and above	-	45	200	200	-	100	100	600	1245
TOTAL	900	47955	47705	38225	6445	7315	46415	55380	250340

TABLE - 1

AVERAGE AREAS OF LOCAL LAND MEASUREMENT UNITS

AWRAJA	NAME OF MEASUREMENT UNIT	AVERAGE AREA OF UNIT (SQ. METRES)	NUMBER OF FIELDS MEASURED
(1)	(2)	(3)	(4)
CHEBO & GURAGE	Boy	282	2
	Kert	1359	329
	Kufaro	254	94
	Senga (Kotio)	1992	174
	Timad	1556	219
	Eka Bere	761	3
	Borra	885	19
	Wedero (Loko) (Gemed)	3373	21
	Ware	882	1
	Kona	1682	21
	Jer	342	93
	Seb	275	26
	Arfi	440	1
HAIKOCH & BUTAJIRA	Boy	65213	2
	Kert	1254	9
	Senga (Kotio)	1754	11
	Timad	1237	423
	Guya	1590	3
	Tefir	5800	1
	Olcha	1940	25
JIBAT & MECHA	Kert	1309	150
	Senga (Kotio)	1505	60
	Timad	1080	518
	Tilm	392	1
	Eka Bere	1285	20
	Guya	144	1
	Fechasa	1313	290
	Olcha	199	4
	Kecho	2958	1
	Kona	1209	1
	Minzaro	989	9
KEMBATA	Timad	1599	276
	Fechasa	1788	1
	Kert	10800	1
	Hosha	2160	142
	Kert	1028	165
	Timad	1052	426
	Guya	2542	2
MENZ & GISHE	Kufaro	48	3
	Timad	976	126
MERHA-BETE	Gozem	1491	82
	Timad	1195	85

Table - 1

AVERAGE AREAS OF LOCAL LAND MEASUREMENT UNITS

AWAJA	NAME OF MEASUREMENT UNIT	AVERAGE AREA OF UNIT (SQ. METERS)	NUMBER OF FIELDS MEASURED
(1)	(2)	(3)	(4)
BELALA	Fer	1470	14
	Boy	364352	2
	Gesem	1063	146
	Kufaro	370	1
	Timad	1163	533
	Tilm	251	2
	Debissa	671	3
TAGULET A BULGA	Boy	1131	2
	Timad	1351	675
	Beat (Woolo)	532	1
	Gab	1361	4
	Wogad	1542	11
TERER A KARETU	Boy	653	6
	Kert	2236	89
	Timad	1358	431
	Eka Bero	1136	8
TIPAT A TINUGA	Kert	2281	1
	Kufaro	234	4
	Timad	1246	174
	Guya	548	7
	Olmia	1219	1
FOR WHOLE PROVINCE	Boy	53783	14
	Kert	1342	744
	Kufaro	250	102
	Senga (Kotio)	1581	247
	Timad	1226	3886
	Eka Bero	1178	31
	Gesem	1214	228
	Borra	885	19
	Wedero (Loko) (Gemedo)	3373	21
	Kona	1663	22
	Jar	342	93
	Seb	275	26
	Guya	833	13
	Olcha	1556	29
	Fechasa	1314	291
	Hocha	2160	142
	Fer	1470	14
	Wogad	1542	11

TABLE - 2

DISTRIBUTION OF FIELDS BY SIZE FOR PROVINCE

SIZE GROUP (SQ. METERS)	DISTRIBUTION OF FIELDS			
	NUMBER	%	TOTAL AREA (HECTARES)	%
(1)	(2)	(3)	(4)	(5)
UP TO 500	49540	2.4	1436	0.1
501 - 1000	116885	5.7	9003	0.7
1001 - 2000	401230	19.6	57279	4.2
2001 - 3000	381260	18.6	93985	7.0
3001 - 5000	427210	20.9	167038	12.4
5001 - 7000	231420	11.3	136941	10.2
7001 - 10000	148545	7.3	124800	9.3
10001 - 15000	112945	5.5	136638	10.2
15001 - 20000	50080	2.4	86108	6.4
20001 - 30000	52635	2.6	127709	9.5
30001 - 40000	25400	1.2	88105	6.5
40001 and above	51605	2.5	315935	23.5
TOTAL	2048755	100.0	1344977	100.0

TABLE - 3

CROP	[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]	
	AREA SOWN	%	AREA SOWN	%	AREA SOWN	%	AREA SOWN	%	AREA SOWN	%	AREA SOWN	%	AREA SOWN	%	AREA SOWN	%	AREA SOWN	%	AREA SOWN	%	AREA SOWN	%	AREA SOWN	%
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)
Maize	123480	5.9	74034	73.9	12370	5.2	25865	43.1	160	0.1	18	0.1	-	-	24	0.0	203	0.1	23742	14.4	2304	5.7	151532	11.4
Barley	6613	3.0	1159	1.1	101832	42.5	4833	8.0	19245	11.2	4785	32.6	3939	7.6	15745	10.5	54970	40.7	13411	8.2	222	0.6	228756	16.9
Sorghum	3357	1.5	1438	1.4	11166	4.7	4135	6.9	20649	12.0	488	3.3	18643	36.0	21713	14.5	3999	2.9	2927	1.8	22390	55.6	110905	8.2
Wheat	24434	11.3	1428	1.4	19740	8.2	5574	9.3	29356	17.0	3040	20.7	3775	7.3	22127	14.8	21943	15.7	42524	25.9	177	0.4	174129	12.9
Teff	73671	34.0	8263	8.0	39556	16.5	8706	14.5	51061	29.6	333	2.3	18195	35.1	46216	30.9	10990	7.3	41899	25.4	14106	35.0	312116	23.1
Various Beans	-	-	2766	2.7	-	-	13	0.0	83	0.0	-	-	-	-	3	0.0	34	0.0	3463	2.1	81	0.2	6463	0.5
Peas	1060	0.5	3703	3.6	24055	10.0	783	1.3	2132	1.2	577	3.9	476	0.9	4316	3.0	7747	5.5	10203	6.2	111	0.3	55363	4.1
Horse Beans	1509	0.7	1209	1.2	17237	7.2	58	0.1	23785	13.8	4308	29.4	536	1.0	21611	14.5	30209	21.6	4940	3.0	456	1.1	105856	7.8
Lentil (Dimtu)	1176	0.5	-	-	333	0.1	-	-	3855	2.2	-	-	2435	4.7	856	0.6	97	0.1	717	0.4	-	-	9471	0.7
Lentils (Misir)	447	0.2	64	0.1	86	0.0	3	0.0	7821	4.5	994	6.8	2613	5.0	1180	0.8	3024	2.2	1992	1.2	15	0.0	18239	1.3
Chick Peas	20969	9.7	51	0.0	2782	1.2	-	-	11145	6.5	20	0.1	560	1.1	8735	5.8	5040	3.6	16578	10.1	12	0.0	65892	4.9
Vetch	2756	1.3	-	-	6512	2.7	-	-	1733	1.0	-	-	401	0.8	4580	3.1	-	-	-	-	-	-	15982	1.2
Linseed	35	0.0	-	-	838	0.3	109	0.2	959	0.6	37	0.3	30	0.1	221	0.2	257	0.2	203	0.1	-	-	2689	0.2
Coffee	132	0.1	-	-	11	0.0	1104	1.8	87	0.1	21	0.1	115	0.2	-	-	-	-	-	-	31	0.1	1501	0.1
Chat	4	0.0	1	0.0	-	-	31	0.1	-	-	19	0.1	-	-	-	-	-	-	-	-	-	-	55	0.0
Enset	67938	31.3	4768	4.6	1341	0.6	7611	12.7	-	-	-	-	-	-	52	0.0	-	-	-	-	37	0.1	81747	6.0
Oseho	-	-	369	0.4	1321	0.6	46	0.1	400	0.2	38	0.3	38	0.1	1788	1.2	49	0.0	1845	1.1	116	0.3	6018	0.4
Others	25	0.0	1602	1.6	525	0.2	1159	1.9	21	0.0	-	-	38	0.1	142	0.1	185	0.1	98	0.1	235	0.6	4030	0.3
TOTAL	216966	100.0	102883	100.0	239707	100.0	60050	100.0	172494	100.0	14680	100.0	51794	100.0	149507	100.0	139969	100.0	164462	100.0	40295	100.0	1352857	100.0

TABLE - 4

TOTAL CULTIVATED AREA BY AWRAJAS (HECTARES)

AWRAJA	CULTIVATED AREA					CULTIVATED AREA OUTSIDE AS PERCENTAGE OF TOTAL CULTIVATED AREA	CULTIVATED AREA OWNED	CULTIVATED AREA OWNED AS PERCENTAGE OF TOTAL CULTIVATED AREA
	INSIDE THE SUBDIVISION	OUTSIDE THE SUBDIVISION	NOT STATED	TOTAL CULTIVATED AREA	%			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
CHERO & GURAGE	209249	6142	1181	216572	16.1	2.8	84093	38.8
HAIKOCH & SUTAJIRA	99104	3710	113	102927	7.6	3.6	23563	22.9
JIBAT & MECHA	222900	14368	1502	238770	17.7	6.0	75963	31.8
KEBBATA	58633	1618	-	60251	4.5	2.7	21182	35.2
MENAGESHA	155125	15122	1790	172037	12.8	8.8	38720	22.5
MENZ & GISHE	13337	1231	-	14568	1.1	8.4	7736	53.1
MENZA-BERE	42491	9303	-	51794	3.8	18.0	14001	27.0
SELALE	126499	21084	2505	150088	11.2	14.0	40194	26.8
TEKULET & BULGA	116143	16937	73	133153	9.9	12.7	36518	27.4
TERER & KARETU	155925	8799	271	164995	12.3	5.3	47016	28.5
TIPAT & TIMUGA	35902	3721	199	39822	3.0	9.3	5964	15.0
TOTAL FOR PROVINCE	1235308	102035	7634	1344977	100.0	7.6	394950	29.4

$$(7) = \frac{(3)}{(5)} \times 100$$

$$(9) = \frac{(8)}{(5)} \times 100$$

TABLE - 5

SHOA PROVINCE

AVERAGE CULTIVATED AREA PER HOUSEHOLD AND AVERAGE SIZE OF FIELD BY AWRAJA

AWRAJA	TOTAL NUMBER OF HOUSEHOLDS	NUMBER OF FARMING HOUSEHOLDS	PERCENTAGE OF HOUSEHOLDS REPORTING CULTIVATED LAND LAST YEAR	CULTIVATED AREA PER		NUMBER OF FIELDS		AVERAGE SIZE OF FIELD
				HOUSEHOLD (HECTARES)	FARMING HOUSEHOLD (HECTARES)	TOTAL	AVERAGE PER FARMING HOUSEHOLD	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
CHERO & GURAGE	158315	143970	90.9	1.4	1.5	340055	2.4	0.6
HAIKOCH & BUTAJIRA	101820	85490	84.0	1.0	1.2	166215	1.9	0.6
JIBAT & MECHA	123600	107200	86.7	1.9	2.2	327700	3.1	0.7
KEMBATA	121680	111160	91.9	0.5	0.5	196340	1.8	0.3
MENAGESHA	76340	67260	88.1	2.3	2.6	176980	2.6	1.0
MENZ & GISHE	26800	24100	89.9	0.5	0.6	64540	2.7	0.2
MERHA-BETE	35210	29970	85.1	1.5	1.7	74340	2.5	0.7
SELALE	57820	53005	91.7	2.6	2.8	217410	4.1	0.7
TEGULET & BULGA	74400	68840	92.5	1.8	1.9	248505	3.6	0.5
YEJER & KARSHU	46550	42600	91.5	3.5	3.9	187380	4.4	0.9
YIFAT & TIMUGA	33545	28045	83.6	1.2	1.4	49290	1.8	0.8
TOTAL FOR PROVINCE	856080	761640	89.0	1.6	1.8	2048755	2.7	0.7

$$(4) = \frac{(3) \times 100}{(2)}; \qquad (5) = \frac{(5) \text{ of Table 4}}{(2) \text{ of Table 5}}$$

$$(6) = \frac{(5) \text{ of Table 4}}{(3) \text{ of Table 5}} \qquad (8) = \frac{(7)}{(3)}; \qquad (9) = \frac{(5) \text{ of Table 4}}{(7) \text{ of Table 5}}$$

TABLE - 6

DISTRIBUTION OF FARMING HOUSEHOLDS BY CULTIVATED AREA LAST YEAR BY AWRAJAS

AWRAJA	1= NO. OF FARMING H/H 2= TOTAL CULTIVATED AREA (HECTARES)	SIZE GROUP OF CULTIVATED HOLDING												
		UP TO 500	501-1000	1001-2000	2001-3000	3001-5000	5001-7000	7001-10000	10001-15000	15001-20000	20001-30000	30001-40000	40001-& above	TOTAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
CHENO A GURAGE	1	3490	6565	22310	13575	20635	13025	13070	12020	7925	12395	5520	13440	143970
	2	107	477	3227	3394	7865	7572	11126	14733	13600	30464	19367	104642	216572
HAIKOCH A HUTAJIRA	1	70	995	5720	6930	17260	10795	13860	11930	4520	5310	1825	6275	85490
	2	3	85	837	1733	7290	6494	11844	14565	7462	12710	6069	33825	102927
JIRAT A HECHA	1	300	500	1900	3400	7700	9800	13800	21800	13000	13400	6600	15000	107200
	2	10	35	258	821	2956	5814	11786	26891	22336	32635	22880	112348	238779
KEBRATA	1	4445	8595	19880	12685	28950	11095	13150	5545	2410	1750	430	1625	111160
	2	135	670	2971	3005	10992	7017	11041	6483	4053	4168	1494	8222	60251
KEBRENNA	1	100	300	790	2340	6060	6680	9750	10640	6970	8930	3750	10920	67260
	2	5	22	87	501	2238	3821	8190	13164	12129	21834	12644	97402	172037
KERE A GIBEE	1	700	1820	3320	3900	5200	3520	1420	2540	700	300	160	220	24100
	2	28	150	563	1047	2190	2167	1158	3585	1294	678	522	1243	14568
KERSA-BETE	1	-	200	800	1100	2100	2900	5400	6300	2700	3500	2870	2100	29970
	2	-	19	106	286	869	1702	4415	8052	4870	8139	10476	13060	51794
KELALE	1	100	100	300	600	2600	3480	5310	9815	6180	9815	4570	10135	53005
	2	4	8	40	146	1110	2184	4629	12135	10861	23753	15807	73411	150088
TSOULET A BULGA	1	-	200	1410	4480	5590	9725	8850	13970	6490	7250	3480	7385	68540
	2	-	15	196	1168	2293	5940	7871	17560	11179	17454	11034	56441	131153
TERSE A KARSTU	1	-	-	-	550	800	2200	2000	7050	5320	7400	5240	12048	42608
	2	-	-	-	146	304	1289	1773	8770	9143	18707	15206	106435	164995
TIFAT A TINSUA	1	100	100	1625	2090	6030	3395	4070	3070	2805	1790	860	2080	28043
	2	3	7	223	514	2497	2106	3446	3702	5005	4293	3016	15010	39322
FOR WHOLE PROVINCE	NO. OF FARMING HOUSEHOLDS	9305	19375	58055	51650	102925	77215	90710	90650	59020	77840	23123	51430	761440
	PERCENTAGE	1.2	2.6	7.6	6.8	13.5	10.1	11.9	12.0	7.8	9.4	4.6	10.2	100.0
	TOTAL CULTIVATED AREA	293	1488	8508	12761	41964	65104	77109	109641	101662	174837	127213	630468	1340777
	PERCENTAGE	0.0	0.1	0.6	1.0	3.0	4.8	5.7	8.2	7.6	13.0	9.5	47.0	100.0

TABLE - I

SHOA PROVINCE

NUMBER OF FARMING HOUSEHOLDS BY DIFFERENCE IN CULTIVATED AREA BETWEEN LAST YEAR AND YEAR BEFORE LAST

AWRAJA	FARMING HOUSEHOLDS REPORTING (COMPARED TO YEAR BEFORE LAST)							
	NUMBER HAVING SAME CULTIVATED AREA LAST YEAR	NUMBER HAVING GREATER CULTIVATED AREA LAST YEAR	AVERAGE INCREASE IN AREA	NUMBER HAVING LESS CULTIVATED AREA LAST YEAR	AVERAGE DECREASE IN AREA	NOT STATED	TOTAL NUMBER OF FARMING HOUSEHOLDS	AVERAGE NET INCREASE (+) OR DECREASE (-) IN CULTD. AREA (SQ. METRES)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
CHERO & CURAGE	115350	10010	0.72	14615	0.49	3995	143970	0.03-
HAIKOCH & BUTAJIRA	73525	5005	0.74	3185	1.17	3775	85490	0.02-
JIBAT & MECHA	66800	15400	1.04	22700	0.71	2300	107200	0.10+
KENDATA	105565	3265	0.43	2330	0.61	-	111160	0.01+
MENAGESHA	48610	6520	1.07	9490	0.74	2640	67260	0.00-
MENZ & GISHE	21060	2360	0.20	680	0.71	-	24100	0.01+
MENNA-BETE	25270	1300	1.22	2800	0.57	600	29970	0.01+
SELALE	44865	4300	0.80	3520	0.98	320	53005	0.07-
TEGULET & BULGA	50830	7270	0.94	10340	0.66	400	68840	0.04-
YERAR & KARSYU	35200	3700	1.21	3500	1.28	200	42600	0.04-
YIFAT & TINUGA	24485	800	1.98	2560	0.62	200	28045	0.02-
TOTAL FOR PROVINCE	611560	59930	0.90	75720	0.71	14430	761640	0.04+

$$(8) = (2) + (3) + (5) + (7)$$

$$(9) = \frac{(3) \times (4) - (5) \times (6)}{(8)}$$

TABLE - 5

NUMBER OF FARMING HOUSEHOLDS BY SIZE OF CULTIVATED AREA LAST YEAR AND BY DIFFERENCE IN CULTIVATED AREA BETWEEN LAST YEAR AND YEAR BEFORE LAST FOR PROVINCE

SIZE OF CULTIVATED AREA LAST YEAR (SQ. METRES)	FARMERS REPORTING (COMPARED TO YEAR BEFORE LAST)							
	NUMBER HAVING SAME CULTIVATED AREA LAST YEAR	NUMBER HAVING GREATER CULTIVATED AREA LAST YEAR	AVERAGE INCREASE IN AREA (HECTARES)	NUMBER HAVING LESS CULTIVATED AREA LAST YEAR	AVERAGE DECREASE IN AREA (HECTARES)	NOT STATED	TOTAL NUMBER OF FARMING HOUSEHOLDS	AVERAGE NET INCREASE (+) OR DECREASE (-) IN CULTD. AREA (SQ. METRES)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
UP TO 500	8315	340	0.19	320	0.20	330	9305	0.01-
501 - 1000	16880	250	1.59	1220	0.33	1025	19375	0.03-
1001 - 2000	50215	1845	0.66	3975	0.31	2020	58055	0.03-
2001 - 3000	43855	2455	0.85	4080	0.51	1260	51650	0.01-
3001 - 5000	90410	5510	0.60	5235	0.64	1770	102925	0.02-
5001 - 7000	64250	5750	0.67	6450	0.58	545	77215	0.05-
7001 - 10000	72485	6340	0.85	10105	0.53	1500	90710	0.04-
10001 - 15000	77600	10900	0.90	14585	0.67	1395	104980	0.04-
15001 - 20000	46195	6385	0.74	5955	0.79	485	59020	0.02-
20001 - 30000	54215	7490	1.14	9255	0.92	880	71840	0.04-
30001 - 40000	26410	4035	1.08	4490	0.97	200	35135	0.04-
40001 and above	40660	8520	1.17	9850	1.01	2300	61430	0.08-
TOTAL	611070	59820	0.90	73720	0.71	14430	761040	0.00-

(8) = (2) + (3) + (5) + (7)

$$(9) = \frac{(3) \times (4) - (5) \times (6)}{(8)}$$

TABLE - 9

[illegible] PROVINCE

NUMBER OF FARMING HOUSEHOLDS BY PRINCIPAL REASON FOR NO FURTHER EXPANSION IN CROP AREA, BY AWRAJAS

AWRAJA	NUMBER OF FARMING HOUSEHOLDS REPORTING AS PRINCIPAL REASON								
	LACK OF MARKET	LACK OF MANPOWER	LACK OF DRAFT ANIMALS	LAND NOT AVAILABLE	LAND TOO POOR	LAND TOO WEEDY	OTHER REASONS	REASON NOT STATED	TOTAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
CHEBO & GURAGE	-	41305	39220	50735	6205	950	2160	3395	143970
HAIKOCH & BUTAJIRA	-	12255	36355	29680	5210	755	585	650	85490
JIBAT & MECHA	100	18100	50000	29700	3900	1200	900	3300	107200
KEMBATA	-	8920	20070	79700	1955	-	390	125	111160
MENAGESHA	100	11690	21970	23860	6270	590	1190	1590	67260
MENZ & GISHE	-	3260	7160	11560	420	100	-	1600	24100
MERHA-BETE	-	4000	12400	12070	500	300	-	700	29970
SELALE	-	6770	11460	31655	1580	1100	200	240	53005
TEGULET & BULGA	100	13175	11745	39385	2475	400	500	1060	68840
YEJER & KARETU	-	7340	13750	17120	2350	1540	300	200	42600
YIFAT & TINUGA	-	5450	12585	9110	200	300	100	300	28045
TOTAL FOR PROVINCE	300	132265	236715	334575	31065	7235	6325	13160	761640

SHOA PROVINCE

TABLE - 10

NUMBER OF FARMING HOUSEHOLDS BY SECONDARY REASON FOR NO FURTHER EXPANSION IN CROP AREA, BY AWRAJAS

AWRAJA	NUMBER OF FARMING HOUSEHOLDS REPORTING AS SECONDARY REASON								
	LACK OF MARKET	LACK OF MANPOWER	LACK OF DRAFT ANIMALS	LAND NOT AVAILABLE	LAND TOO POOR	LAND TOO WEEDY	OTHER REASONS	REASON NOT STATED	TOTAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
CHEBO & GURAGE	-	16925	31580	44905	12060	700	5345	32455	143970
SAIKOCH & BUTAJIRA	520	13225	21200	24000	9835	3125	855	12730	85490
JIBAT & MECHA	100	17300	21700	29100	3800	2300	500	32400	107200
KEMBATA	100	22280	57990	17770	7350	1515	560	3395	111160
WABAGENNA	100	3970	6170	20450	15490	3040	1800	12190	63210
AGNE & GIMBI	-	3360	3640	6700	1100	120	360	8820	24100
WENJA-DEMTU	-	3200	8270	10560	1100	3000	500	3400	29970
DILALE	-	10590	17025	10770	3255	1650	100	9413	53803
TIKULET & BULGA	100	5890	13175	13875	8660	1115	2200	23905	68840
TIBEB & KARETU	-	6720	5540	8670	5700	2830	2120	10850	42930
TIYAT & TINCHA	100	4250	7020	10175	580	800	300	4990	28045
TOTAL FOR PROVINCE	1020	109660	195310	197145	68930	19195	14640	134930	791160

TABLE - 11

NUMBER OF FARMING HOUSEHOLDS BY PRINCIPAL REASON FOR NO FURTHER EXPANSION IN CROP AREA & BY AREA UNDER CROPS LAST YEAR FOR PROVINCE

SIZE OF CULTIVATED AREA LAST YEAR (SQ. METRES)	NUMBER OF FARMING HOUSEHOLDS REPORTING AS PRINCIPAL REASON								
	LACK OF MARKET	LACK OF MANPOWER	LACK OF DRAFT ANIMALS	LAND NOT AVAILABLE	LAND TOO POOR	LAND TOO WEEDY	OTHER REASONS	REASON NOT STATED	TOTAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
UP TO 500	-	1895	2065	4875	210	-	-	260	9305
501 - 1000	-	3295	2410	11190	655	100	665	1060	19375
1001 - 2000	-	11725	12840	30595	1290	100	100	1405	58055
2001 - 3000	-	9255	15385	24485	1430	100	220	775	51650
3001 - 5000	100	16275	35265	47920	2180	200	110	875	102925
5001 - 7000	-	11770	29700	31735	1985	335	585	1105	77215
7001 - 10000	-	15135	31780	37830	3355	400	710	1500	90710
10001 - 15000	-	18190	30785	46355	4665	980	1410	2595	104980
15001 - 20000	100	8660	20995	24300	2910	1200	310	545	59020
20001 - 30000	-	13375	23195	28940	3545	800	1085	900	71840
30001 - 40000	100	6420	11990	13580	1410	930	200	505	35135
40001 and above	-	16270	20305	32770	7430	2090	930	1635	81430
TOTAL	300	132265	236715	334575	31065	7235	6325	13160	761640

TABLE - 12

NUMBER OF FARMING HOUSEHOLDS BY SECONDARY REASON FOR NO FURTHER EXPANSION IN CROP AREA A BY AREA UNDER CROPS LAST YEAR FOR PROVINCE

SIZE OF CULTIVATED AREA LAST YEAR (SQ. METERS)	NUMBER OF FARMERS REPORTING AS SECONDARY REASON								
	LACK OF MARKET	LACK OF MANPOWER	LACK OF DRAFT ANIMALS	LAND NOT AVAILABLE	LAND TOO POOR	LAND TOO WEEDY	OTHER REASONS	REASON NOT STATED	TOTAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
UP TO 500	-	1530	2190	2360	965	160	220	1880	9305
501 - 1000	-	1890	8925	4280	1345	-	-	2935	19375
1001 - 2000	100	8460	19875	14715	3820	160	420	10505	58055
2001 - 3000	-	8225	16075	14570	3355	560	580	8285	51650
3001 - 5000	130	13215	34465	30145	9355	1540	1585	12520	102925
5001 - 7000	-	9955	20865	26595	6610	780	550	11860	77715
7001 - 10000	-	12590	23490	22990	10125	2275	1950	17290	90710
10001 - 15000	200	15440	23730	23785	8665	5540	2295	25125	104980
15001 - 20000	620	10000	11580	15065	5355	2560	1385	12375	59000
20001 - 30000	-	9615	14400	18115	7045	2295	1585	18785	71840
30001 - 40000	-	5380	6665	7760	3845	950	1470	9045	35135
40001 and above	-	13360	13050	16765	8245	3085	2600	24325	81430
TOTAL	1020	109660	195310	197145	69930	19985	16640	156350	766040

TABLE - 1

AVERAGE AREAS OF LOCAL LAND MEASUREMENT UNITS

AWRAJA	NAME OF MEASUREMENT UNIT	AVERAGE AREA OF UNIT (SQ. METERS)	NUMBER OF FIELDS MEASURED
(1)	(2)	(3)	(4)
AREKO	Timad	1296	16
	Ficha	5961	12
	Kora	6300	1
DERASSA	Messa	2176	1
	Senga (Kotlo)	1821	16
	Timad	909	13
	Shoto	2182	2
	Watta	2777	7
	Gedo	4182	2
	Ficha	3679	33
JEMJEM	Gofa	3370	4
	Ficha	3671	51
SIDAMA	Gozon	2878	33
	Messa	2218	32
	Timad	1025	60
	Watta	1286	47
	Gofa	987	408
	Kesso	851	12
	Horcho	1259	10
WOLLAMO	Medeb	416	2
	Timad	931	56
	Watta	1149	776
	Bora	5650	1
	Samint	4225	1
FOR WHOLE PROVINCE	Gozon	2878	33
	Messa	2218	32
	Senga (Kotlo)	1821	16
	Timad	1010	145
	Watta	1175	830
	Gofa	1006	412
	Ficha	3961	96
	Kesso	851	12
	Horcho	1259	10

TABLE - 2

DISTRIBUTION OF FIELDS BY SIZE FOR PROVINCE

SIZE GROUP (SQ. METERS)	DISTRIBUTION OF FIELDS			
	NUMBER	%	TOTAL AREA (HECTARES)	%
(1)	(2)	(3)	(4)	(5)
UP TO 500	45500	6.0	1391	0.7
501 - 1000	141100	18.5	10347	5.3
1001 - 2000	207900	27.3	29583	15.1
2001 - 3000	146300	19.2	35796	18.3
3001 - 5000	175700	23.1	65272	33.3
5001 - 7000	18200	2.4	10811	5.5
7001 - 10000	11500	1.5	9737	5.0
10001 - 15000	7400	1.0	9106	4.6
15001 - 20000	2600	0.3	4441	2.3
20001 - 30000	3400	0.4	8245	4.2
30001 - 40000	1200	0.1	3976	2.0
40001 and above	1200	0.2	7160	3.7
TOTAL	762000	100.0	195865	100.0

TABLE - 1

GROSS AREA SOWN UNDER SELECTED CROPS BY AWRAJAS

CROP	AREBO		DERASSA		JINJERE		SIDAMA		WOLLAMO		FOR WHOLE PROVINCE	
	AREA SOWN	%	AREA SOWN	%	AREA SOWN	%	AREA SOWN	%	AREA SOWN	%	AREA SOWN	%
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Maize	-	-	2314	4.3	5803	43.3	15894	20.4	25854	53.5	49865	25.3
Barley	1295	38.8	2575	4.8	3456	25.8	6713	8.6	1305	2.7	15344	7.8
Sorghum	151	4.5	135	0.2	-	-	663	0.8	4636	9.6	5585	2.8
Wheat	611	18.3	36	0.1	-	-	209	0.3	425	0.9	1281	0.7
Teff	1123	33.8	678	1.3	2443	18.3	1707	2.2	2833	5.9	8789	4.5
Haricot Beans	-	-	-	-	-	-	44	0.0	3828	7.9	3872	2.0
Peas	79	2.4	103	0.2	-	-	784	1.0	184	0.4	1150	0.6
Horse Beans	73	2.2	219	0.4	-	-	316	0.4	75	0.1	683	0.3
Coffee	-	-	24776	46.1	498	3.7	15292	19.6	1252	2.6	41818	21.2
Others	-	-	119	0.2	-	-	10	0.0	4463	9.2	4592	2.3
Enset	-	-	22810	42.4	1188	8.9	36411	46.7	3488	7.2	63897	32.5
ALL CROPS	3337	100.0	53765	100.0	13388	100.0	78043	100.0	48343	100.0	196876	100.0

SIDAMO PROVINCE

TABLE - 4

TOTAL CULTIVATED AREA BY AWRAJAS (HECTARES)

AWRAJA	CULTIVATED AREA					CULTIVATED AREA OUTSIDE AS PERCENTAGE OF TOTAL CULTIVATED AREA	CULTIVATED AREA OWNED	CULTIVATED AREA OWNED AS PERCENTAGE OF TOTAL CULTIVATED AREA
	INSIDE THE SUBDIVISION	OUTSIDE THE SUBDIVISION	NOT STATED	TOTAL CULTIVATED AREA	%			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
AREKO	3003	26	42	3071	1.6	0.8	911	29.7
DERASSA	51133	3353	191	54677	27.9	6.1	28681	52.5
JERJERA	11257	607	-	11864	6.0	5.1	2161	18.2
SIDAMA	77189	819	261	78269	40.0	1.0	62091	79.3
WOLLAMO	47563	393	28	47984	24.5	0.8	39054	81.4
TOTAL FOR PROVINCE	190145	5198	522	195865	100.0	2.7	132898	67.9

$$(7) = \frac{(3)}{(5)} \times 100$$

$$(9) = \frac{(8)}{(5)} \times 100$$

TABLE - 5

AVERAGE CULTIVATED AREA PER HOUSEHOLD AND AVERAGE SIZE OF FIELD BY AWRAJAS

AWRAJA	TOTAL NUMBER OF HOUSEHOLDS	NUMBER OF FARMING HOUSEHOLDS	PERCENTAGE OF HOUSEHOLDS REPORTING CULTIVATED LAND LAST YEAR	CULTIVATED AREA PER		NUMBER OF FIELDS		AVERAGE SIZE OF FIELD
				HOUSEHOLD (HECTARES)	FARMING HOUSEHOLD (HECTARES)	TOTAL	AVERAGE PER FARMING HOUSEHOLD	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
AMBO	5400	3800	70.4	0.6	0.8	6100	1.6	0.5
DERASSA	79300	69500	87.6	0.7	0.8	155100	2.2	0.4
JEMJEM	24500	21100	86.1	0.5	0.6	26500	1.3	0.4
SIDAMA	137500	132300	96.2	0.6	0.6	277400	2.1	0.3
WOLLAMO	139700	130400	93.3	0.3	0.4	296900	2.3	0.2
TOTAL FOR PROVINCE	386400	357100	92.4	0.5	0.5	762900	2.1	0.3

(4) = $\frac{(3) \times 100}{(2)}$; (5) = $\frac{(5) \text{ of table 4}}{(2) \text{ of table 5}}$

(6) = $\frac{(5) \text{ of table 4}}{(3) \text{ of table 5}}$ (8) = $\frac{(7)}{(3)}$; (9) = $\frac{(5) \text{ of table 4}}{(7) \text{ of table 5}}$

TABLE - 6

DISTRIBUTION OF FARMING HOUSEHOLDS BY CULTIVATED AREA LAST YEAR BY AWRAJAS

AWRAJA	1= NO. OF FARMING H/H 2= TOTAL CULTIVATED AREA (HECTARES)	SIZE GROUP OF CULTIVATED HOLDING												
		UP TO 500	501-1000	1001-2000	2001-3000	3001-5000	5001-7000	7001-10000	10001-15000	15001-20000	20001-30000	30001-40000	40001 & above	TOTAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
ARERO	1	-	-	-	200	200	1800	500	800	300	-	-	-	3800
	2	-	-	-	46	87	1063	390	1003	482	-	-	-	3071
DERARRA	1	700	1400	1800	2100	13700	7300	26100	12300	1800	1900	300	100	69500
	2	29	105	272	548	5509	4234	19265	15169	3109	4469	999	569	54677
JIMATH	1	100	100	1000	1100	12100	1400	4100	800	100	100	100	100	21100
	2	3	7	171	270	4735	842	3391	911	166	249	379	830	11864
KIDARA	1	3000	10400	17200	18800	36700	18500	11800	8200	2600	2900	900	1300	132300
	2	97	898	2884	4880	14795	11325	9956	9921	4414	7088	3184	8827	78269
WOLLANO	1	5500	12300	33100	27200	29300	10900	4700	4100	1200	1100	700	300	130400
	2	249	807	4926	6478	11317	6426	3890	5025	2022	2705	2258	1630	47984
FOR WHOLE PROVINCE	NO. OF FARMING HOUSEHOLDS	9300	24200	53100	49400	92000	39900	47200	26200	6000	6000	2030	1500	357900
	PERCENTAGE	2.6	6.8	14.9	13.8	25.8	11.2	13.2	7.3	1.7	1.7	0.5	0.5	100.0
	TOTAL CULTIVATED AREA	389	1817	5253	12422	36443	23090	36502	30029	10311	14511	6949	15774	193503
	PERCENTAGE	0.2	0.9	2.7	6.4	18.8	11.9	18.9	15.4	5.3	7.4	3.5	8.1	100.0

TABLE - I

NUMBER OF FARMING HOUSEHOLDS BY DIFFERENCE IN CULTIVATED AREA BETWEEN LAST YEAR AND YEAR BEFORE LAST

AWRAJA	FARMING HOUSEHOLDS REPORTING (COMPARED TO YEAR BEFORE LAST)							
	NUMBER HAVING SAME CULTIVATED AREA LAST YEAR	NUMBER HAVING GREATER CULTIVATED AREA LAST YEAR	AVERAGE INCREASE IN AREA	NUMBER HAVING LESS CULTIVATED AREA LAST YEAR	AVERAGE DECREASE IN AREA	NOT STATED	TOTAL NUMBER OF FARMING HOUSEHOLDS	AVERAGE NET INCREASE (+) OR DECREASE (-) IN CULTD. AREA (SQ. METERS)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
ARBEGO	3700	-	-	100	-	-	3800	0.00-
DERARTU	68400	500	0.36	300	0.60	300	69500	0.00-
JIRU/EN	20400	300	0.37	300	0.37	100	21100	0.00
SIDAMA	119000	7000	0.19	5300	0.24	1000	132300	0.03+
WOLLAMO	124500	2500	0.14	3400	0.10	-	130400	0.01+
TOTAL FOR PROVINCE	336000	10300	0.19	9400	0.21	1400	357100	0.00

(8) = (2) + (3) + (5) + (7)

$$(9) = \frac{(3) \times (4) - (5) \times (6)}{(8)}$$

TABLE - 8

NUMBER OF FARMING HOUSEHOLDS BY SIZE OF CULTIVATED AREA LAST YEAR AND BY DIFFERENCE IN CULTIVATED AREA BETWEEN LAST YEAR AND YEAR BEFORE LAST FOR PROVINCE

SIZE OF CULTIVATED AREA LAST YEAR (SQ. METERS)	FARMERS REPORTING (COMPARED TO YEAR BEFORE LAST)							
	NUMBER HAVING SAME CULTIVATED AREA LAST YEAR	NUMBER HAVING GREATER CULTIVATED AREA LAST YEAR	AVERAGE INCREASE IN AREA (HECTARES)	NUMBER HAVING LESS CULTIVATED AREA LAST YEAR	AVERAGE DECREASE IN AREA (HECTARES)	NOT STATED	TOTAL NUMBER OF FARMING HOUSEHOLDS	AVERAGE NET INCREASE (+) OR DECREASE (-) IN CULTD. AREA (SQ. METERS)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
UP TO 500	8900	100	0.24	300	0.06	-	9300	0.01+
501 - 1000	22500	400	0.19	1200	0.06	100	24200	0.02+
1001 - 2000	31600	500	0.07	900	0.09	100	33100	0.00+
2001 - 3000	46200	1400	0.12	1600	0.11	200	49400	0.01+
3001 - 5000	86200	2600	0.15	2700	0.14	500	92000	0.02+
5001 - 7000	37600	1300	0.16	900	0.23	100	39900	0.01+
7001 - 10000	44900	1400	0.25	700	0.32	200	47200	0.06
10001 - 15000	24400	1100	0.21	600	0.38	100	26400	0.01+
15001 - 20000	5400	500	0.16	100	0.79	-	6000	0.02+
20001 - 30000	5700	300	0.28	-	-	-	6000	141.66+
30001 - 40000	1500	400	0.41	100	0.16	-	2000	0.00
40001 and above	1100	300	0.49	500	0.40	100	1900	0.00
TOTAL	336000	10300	0.19	3400	0.21	1400	357100	0.00

(8) = (2) + (3) + (5) + (7)

(9) = [(3) x (4) - (5) x (6)] / (8)

SIDAMO PROVINCE

TABLE - 3

NUMBER OF FARMING HOUSEHOLDS BY PRINCIPAL REASON FOR NO FURTHER EXPANSION IN CROP AREA, BY AWRAJAS

AWRAJA	NUMBER OF FARMING HOUSEHOLDS REPORTING AS PRINCIPAL REASON								
	LACK OF MARKET	LACK OF MANPOWER	LACK OF DRAFT ANIMALS	LAND NOT AVAILABLE	LAND TOO POOR	LAND TOO WEEDY	OTHER REASONS	REASON NOT STATED	TOTAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
AREKO	-	700	800	2300	-	-	-	-	3800
DEWASHA	-	6900	3400	58400	200	-	-	600	69500
JEMJEM	200	7900	2500	8600	-	100	700	1100	21100
SIDAMA	-	22600	21500	78300	4000	1000	1000	3900	132300
WOLLAMO	-	29800	40100	51900	5800	700	100	2000	130400
TOTAL FOR PROVINCE	200	67900	68300	199500	10000	1800	1800	7600	357100

TABLE - 10

NUMBER OF FARMING HOUSEHOLDS BY SECONDARY REASON FOR NO FURTHER EXPANSION IN CROP AREA, BY AWRAJAS

AWRAJA	NUMBER OF FARMING HOUSEHOLDS REPORTING AS SECONDARY REASON								
	LACK OF MARKET	LACK OF MANPOWER	LACK OF DRAFT ANIMALS	LAND NOT AVAILABLE	LAND TOO POOR	LAND TOO WEEDY	OTHER REASONS	REASON NOT STATED	TOTAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
ARENO	-	400	1200	700	200	200	200	900	3800
DEMAMBA	-	35800	13800	5500	1300	200	-	12900	69500
JEMJEM	-	4700	4200	4900	-	400	600	6300	21100
SIDAMA	300	29700	54600	24100	8200	2400	1500	11200	132300
WOLLAMO	-	21200	50000	39200	6600	2600	200	10600	130400
TOTAL FOR PROVINCE	300	91800	123800	74400	16300	5800	2500	41900	357100

TABLE - 11

[redacted] PROVINCE

NUMBER OF FARMING HOUSEHOLDS BY PRINCIPAL REASON FOR NO FURTHER EXPANSION IN CROP AREA & BY AREA UNDER CROPS LAST YEAR FOR PROVINCE

SIZE OF CULTIVATED AREA LAST YEAR (SQ. METRES)	NUMBER OF FARMING HOUSEHOLDS REPORTING AS PRINCIPAL REASON								
	LACK OF MARKET	LACK OF MANPOWER	LACK OF DRAFT ANIMALS	LAND NOT AVAILABLE	LAND TOO POOR	LAND TOO WEEDY	OTHER REASONS	REASON NOT STATED	TOTAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
UP TO 500	-	1000	2400	5300	100	100	100	300	9300
501 - 1000	-	5000	5300	12600	1000	-	-	300	24200
1001 - 2000	-	8500	14200	27400	1900	200	300	600	53100
2001 - 3000	-	9900	13800	22600	1300	100	300	1400	49400
3001 - 5000	100	17000	14700	52900	3300	700	800	2500	92000
5001 - 7000	-	8600	6900	22000	1300	200	200	700	39300
7001 - 10000	100	8800	5000	31900	200	300	-	900	47200
10001 - 15000	-	4900	3800	16200	400	100	-	800	26200
15001 - 20000	-	1300	800	3500	200	100	100	-	6000
20001 - 30000	-	1400	900	3400	200	-	-	100	6000
30001 - 40000	-	700	300	1000	-	-	-	-	2000
40001 and above	-	800	200	700	100	-	-	-	1800
TOTAL	200	67900	68300	199500	10000	1800	1800	7600	357100

SIDAMO PROVINCE

TABLE - 12

NUMBER OF FARMING HOUSEHOLDS BY SECONDARY REASON FOR NO FURTHER EXPANSION IN CROP AREA & BY AREA UNDER CROPS LAST YEAR FOR PROVINCE

SIZE OF CULTIVATED AREA LAST YEAR (SQ. METERS)	NUMBER OF FARMERS REPORTING AS SECONDARY REASON								
	LACK OF MARKET	LACK OF MANPOWER	LACK OF DRAFT ANIMALS	LAND NOT AVAILABLE	LAND TOO POOR	LAND TOO WEEDY	OTHER REASONS	REASON NOT STATED	TOTAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
UP TO 500	-	2200	3300	2400	700	-	200	500	9300
501 - 1000	-	4400	9300	7300	1300	400	100	1400	24200
1001 - 2000	-	10400	20800	13500	2700	800	400	4500	53100
2001 - 3000	100	8100	17900	13700	2300	1200	500	5600	49400
3001 - 5000	200	24200	32300	16800	5100	1000	700	11700	92000
5001 - 7000	-	10100	15900	8900	1700	1100	100	5800	39900
7001 - 10000	-	17600	11200	7900	1700	800	300	7700	47200
10001 - 15000	-	10100	8000	3400	400	200	300	3800	26200
15001 - 20000	-	2100	2000	800	100	100	100	800	6000
20001 - 30000	-	1700	2300	1300	300	-	-	600	6000
30001 - 40000	-	700	600	300	200	100	-	100	2000
40001 and above	-	200	1100	100	-	100	100	200	1800
TOTAL	300	91800	123800	74400	16300	5800	2300	41900	357100

TABLE - 1

TIGRE PROVINCE

AVERAGE AREAS OF LOCAL LAND MEASUREMENT UNITS

AWRAJA	NAME OF MEASUREMENT UNIT	AVERAGE AREA OF UNIT (SQ. METERS)	NUMBER OF FIELDS MEASURED
(1)	(2)	(3)	(4)
ADWA	Timdi (Timad)	1006	468
AGAME	Timdi (Timad)	1058	145
AXUM	Timdi (Timad)	787	291
ENDERTA	Timdi (Timad)	1362	223
	Watisa	1333	1
HULET AWLALO	Timdi (Timad)	1616	143
RAYA & AZABO	Kufaro	280	2
	Timdi (Timad)	946	118
SHIRE	Timdi (Timad)	767	191
TEMBIEN	Timdi (Timad)	1493	200
FOR WHOLE PROVINCE	Timdi (Timad)	1066	1779

TABLE - 2

DISTRIBUTION OF FIELDS BY SIZE FOR PROVINCE

SIZE GROUP (SQ. METERS)	DISTRIBUTION OF FIELDS			
	NUMBER	%	TOTAL AREA (HECTARES)	%
(1)	(2)	(3)	(4)	(5)
UP TO 500	30240	4.0	987	0.4
501 - 1000	120113	15.8	8575	3.5
1001 - 2000	248226	32.7	33170	13.5
2001 - 3000	145952	19.2	35597	14.5
3001 - 5000	114504	15.1	43513	17.7
5001 - 7000	42528	5.6	24910	10.2
7001 - 10000	24087	3.2	19795	8.1
10001 - 15000	14310	1.9	17662	7.2
15001 - 20000	6700	0.9	11591	4.7
20001 - 30000	5554	0.7	13499	5.5
30001 - 40000	2700	0.3	9015	3.7
40001 and above	4654	0.6	26992	11.0
TOTAL	759568	100.0	245306	100.0

TABLE - 1

GROSS AREA SOWN UNDER SELECTED CROPS BY AWRAJAS (HECTARES)

CROP	ADWA		AGARO		ASSIN		ENDERTA		HULET AWLALO		RAYA & AZEBO		SHIRA		TIKUR INCHINI		FOR WHOLE PROVINCE	
	AREA SOWN	%	AREA SOWN	%	AREA SOWN	%	AREA SOWN	%	AREA SOWN	%	AREA SOWN	%	AREA SOWN	%	AREA SOWN	%	AREA SOWN	%
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
Maize	2894	6.0	252	3.7	359	1.3	37	0.1	8	0.0	137	0.7	547	1.1	2535	6.6	6769	2.7
African Millet	16561	34.5	126	1.9	3969	14.1	46	0.1	77	0.4	52	0.3	6456	12.9	1987	5.1	29274	11.8
Barley	4232	8.8	2073	30.5	1306	4.6	10604	28.1	6009	30.0	3506	18.4	8	0.0	5443	14.1	33181	13.4
Sorghum	6775	14.1	231	3.4	5786	20.5	3398	9.0	137	0.7	7941	41.8	17496	35.0	8143	21.1	49907	20.1
Wheat	1611	3.4	1056	15.6	791	2.8	10035	26.6	7998	39.8	1679	8.8	207	0.4	5277	13.6	28654	11.5
Teff	10085	21.0	1518	22.4	8479	30.1	6707	17.8	2756	13.7	4648	24.4	9323	18.6	8928	23.1	52444	21.1
Barley/Wheat	975	2.0	1116	16.4	-	-	55	0.2	1208	6.0	-	-	-	-	754	1.9	4108	1.7
Haricot Beans	-	-	-	-	66	0.2	-	-	-	-	-	-	-	-	204	0.5	270	0.1
Peas	242	0.5	88	1.3	1569	5.6	732	1.9	399	2.0	76	0.4	355	0.7	98	0.3	3559	1.4
Horse Beans	2514	5.2	142	2.1	1354	4.1	204	0.5	308	1.5	264	1.4	295	0.6	2168	5.6	7049	2.8
Lentil (Guaya)	92	0.2	-	-	631	2.2	610	1.6	425	2.1	9	0.1	-	-	629	1.6	2396	1.0
Lentils (Misir)	20	0.1	38	0.6	-	-	727	1.9	119	0.6	80	0.4	-	-	45	0.1	1029	0.4
Chick Peas	1718	3.6	-	-	3594	12.7	778	2.1	85	0.4	388	2.0	8834	17.6	941	2.4	16338	6.6
Noug	20	0.1	-	-	217	0.8	-	-	16	0.1	-	-	1895	3.8	119	0.3	2267	0.9
Sesame	-	-	-	-	173	0.6	-	-	-	-	-	-	4568	9.1	30	0.1	4771	1.9
Lenseed	131	0.3	146	2.1	28	0.1	837	2.2	551	2.7	204	1.1	27	0.1	1335	3.5	3259	1.3
Others	115	0.2	-	-	91	0.3	3000	7.9	-	-	33	0.2	38	0.1	50	0.1	3327	1.3
All Crops	47985	100.0	6786	100.0	28213	100.0	37770	100.0	20096	100.0	19017	100.0	50049	100.0	38686	100.0	248602	100.0

TABLE - 4

TOTAL CULTIVATED AREA BY AWRAJAS (HECTARES)

AWRAJA	CULTIVATED AREA					CULTIVATED AREA OUTSIDE AS PERCENTAGE OF TOTAL CULTIVATED AREA	CULTIVATED AREA OWNED	CULTIVATED AREA OWNED AS PERCENTAGE OF TOTAL CULTIVATED AREA
	INSIDE THE SUBDIVISION	OUTSIDE THE SUBDIVISION	NOT STATED	TOTAL CULTIVATED AREA	%			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
ADWA	39486	8539	-	47985	19.6	17.8	40444	84.3
AGAME	6060	726	-	6786	2.7	10.7	6799	99.8
AKSUM	24811	4200	-	28211	11.5	14.9	19530	69.2
ENDERTA	29364	5406	-	34770	14.2	15.5	25918	74.5
HULET-AWLALO	17619	2413	65	20097	8.2	12.0	19139	95.2
RAYA & AZEBO	15006	3716	-	18722	7.6	19.8	10593	56.6
SHIRE	37480	12569	-	50049	20.4	25.1	48539	97.0
TEMBIEN	29084	9558	44	38686	15.8	24.7	29843	77.1
TOTAL FOR PROVINCE	198870	47127	109	245306	100.0	19.2	200305	81.7

(7) = $\frac{(3)}{(5)} \times 100$

(9) = $\frac{(8)}{(5)} \times 100$

TABLE - 5

[illegible] PROVINCE

AVERAGE CULTIVATED AREA PER HOUSEHOLD AND AVERAGE SIZE OF FIELD BY AWRAJAS

AWRAJA	TOTAL NUMBER OF HOUSEHOLDS	NUMBER OF FARMING HOUSEHOLDS	PERCENTAGE OF HOUSEHOLDS REPORTING CULTIVATED LAND LAST YEAR	CULTIVATED AREA PER		NUMBER OF FIELDS		AVERAGE SIZE OF FIELD
				HOUSEHOLD (HECTARES)	FARMING HOUSEHOLD (HECTARES)	TOTAL	AVERAGE PER FARMING HOUSEHOLD	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
ADMA	74800	64200	85.8	0.6	0.7	212300	3.3	0.2
AGARE	24099	23199	96.3	0.3	0.3	50364	2.2	0.3
AKUR	42900	37200	86.7	0.7	0.8	123300	3.3	0.2
KUDETTA	32700	25200	77.1	1.1	1.4	80640	3.2	0.4
HULET-AMLALO	36800	19400	52.7	0.5	1.0	51500	2.7	0.4
RAYA & AZEBO	19100	13500	70.7	1.0	1.4	44900	3.3	0.4
SHIRE	36778	32147	87.4	1.4	1.6	99764	3.1	0.5
TEMBIEN	42300	31600	74.7	0.9	1.2	96800	3.1	0.4
TOTAL FOR PROVINCE	309477	246446	79.6	0.8	1.0	759568	3.1	0.3

(4) = (3) X 100 / (2)

(5) = (5) of table 4 / (2) of table 5

(6) = (5) of Table 4 / (3) of Table 5

(8) = (7) / (3)

(9) = (5) of table 4 / (7) of table 5

TIGRE PROVINCE

TABLE - 6

DISTRIBUTION OF FARMING HOUSEHOLDS BY CULTIVATED AREA LAST YEAR BY AWRAJAS

AWRAJA	1= NO. OF FARMING H/H 2= TOTAL CULTIVATED AREA (HECTARES)	SIZE GROUP OF CULTIVATED HOLDING												
		UP TO 500	501-1000	1001-2000	2001-3000	3001-5000	5001-7000	7001-10000	10001-15000	15001-20000	20001-30000	30001-40000	40001 & above	TOTAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
ADWA	1	100	1000	6200	9600	16800	8800	9300	7900	2000	1300	200	1000	64200
	2	3	66	878	2170	6055	5078	7438	9025	3303	2898	670	10401	47985
AGAME	1	1000	1500	5633	8433	3900	1300	700	500	100	133	-	-	23199
	2	25	96	740	1934	1486	738	586	659	190	332	-	-	6786
AXUM	1	700	1300	3200	3900	9400	4400	6400	4500	1200	1400	200	600	37200
	2	23	103	508	942	3643	2591	5228	5317	2111	3259	639	3815	28211
ENDERTA	1	100	200	400	2340	3040	4740	3200	4640	2540	2100	300	1600	25100
	2	4	16	58	603	1299	2900	2785	5990	4484	4871	1037	10713	34770
HULET-AWLALO	1	-	600	1500	1500	6900	2100	2200	1900	900	800	300	700	19400
	2	-	43	244	360	2738	1283	1579	2330	1533	1983	1126	6518	20097
KATA & ALENO	1	200	100	1000	1900	1900	1900	1300	1900	1500	900	800	1000	12500
	2	6	10	173	264	814	1155	1119	2285	2606	2274	2744	5273	18723
KOLEB	1	600	300	1500	1200	3700	3954	4777	5254	3854	3077	1477	2454	32147
	2	19	21	236	279	1479	2389	4026	6291	6662	7097	5156	15534	56489
TSEGUEDE	1	100	100	1300	2600	3900	5800	5100	5700	2400	2300	1000	1300	31800
	2	4	9	196	752	1474	3408	4270	6893	4214	5421	3417	8229	38071
FOR WHOLE PROVINCE	NO. OF FARMING HOUSEHOLDS	2500	5100	20733	30573	49540	32934	32977	32294	14494	12090	4777	8654	[illegible]
	PERCENTAGE	1.1	2.1	8.4	12.4	20.1	13.4	13.4	13.1	5.9	4.9	1.9	3.5	[illegible]
	TOTAL CULTIVATED AREA	84	384	3033	7304	19230	19268	27331	38290	23113	28363	14788	83145	246143
	PERCENTAGE	0.0	0.2	1.2	3.0	7.8	8.0	11.1	15.5	9.4	11.5	6.0	33.8	100.0

TABLE - I

NUMBER OF FARMING HOUSEHOLDS BY DIFFERENCE IN CULTIVATED AREA BETWEEN LAST YEAR AND YEAR BEFORE LAST

AWAJA	FARMING HOUSEHOLDS REPORTING (COMPARED TO YEAR BEFORE LAST)							
	NUMBER HAVING SAME CULTIVATED AREA LAST YEAR	NUMBER HAVING GREATER CULTIVATED AREA LAST YEAR	AVERAGE INCREASE IN AREA (HECTARES)	NUMBER HAVING LESS CULTIVATED AREA LAST YEAR	AVERAGE DECREASE IN AREA (HECTARES)	NOT STATED	TOTAL NUMBER OF FARMING HOUSEHOLDS	AVERAGE NET INCREASE (+) OR DECREASE (-) IN CULTD. AREA (SQ. METRES)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
ADWA	55200	3400	0.19	5000	0.13	600	64200	0.00
AGAME	19499	3100	0.16	500	0.98	100	23199	0.05+
AHUM	32500	1500	0.15	2900	0.08	300	37200	0.02+
ENDERTA	20500	2700	0.36	1600	0.62	400	25200	0.00-
HULET-AWLALO	17900	1200	0.39	300	1.56	-	19400	0.02-
RAYA & AZEBO	11000	1700	0.29	700	0.69	100	13500	0.04+
SHIRE	25647	4900	0.42	800	2.59	800	32147	0.00+
TEMBIEN	27000	1300	0.35	3000	0.15	300	31600	0.00-
TOTAL FOR PROVINCE	209246	19800	0.29	14800	0.39	2600	246446	0.00-

(8) = (2) + (3) + (5) + (7)

$$(9) = \frac{(3) \times (4) - (5) \times (6)}{(8)}$$

TABLE – 8

TIBER PROVINCE

NUMBER OF FARMING HOUSEHOLDS BY SIZE OF CULTIVATED AREA LAST YEAR AND BY DIFFERENCE IN CULTIVATED AREA BETWEEN LAST YEAR AND YEAR BEFORE LAST FOR PROVINCE

SIZE OF CULTIVATED AREA LAST YEAR (SQ. METERS)	FARMERS REPORTING (COMPARED TO YEAR BEFORE LAST)							
	NUMBER HAVING SAME CULTIVATED AREA LAST YEAR	NUMBER HAVING GREATER CULTIVATED AREA LAST YEAR	AVERAGE INCREASE IN AREA (HECTARES)	NUMBER HAVING LESS CULTIVATED AREA LAST YEAR	AVERAGE DECREASE IN AREA (HECTARES)	NOT STATED	TOTAL NUMBER OF FARMING HOUSEHOLDS	AVERAGE NET INCREASE (+) OR DECREASE (-) IN CULTD. AREA (SQ. METERS)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
UP TO 500	2700	100	0.32	-	-	-	2800	113.36+
501 - 1000	3900	500	0.36	600	0.30	100	5100	0.04-
1001 - 2000	18633	1200	0.14	900	0.16	-	20733	0.03+
2001 - 3000	25673	3000	0.18	1600	0.33	300	30573	0.01-
3001 - 5000	43540	3000	0.19	2600	0.22	400	49540	0.02+
5001 - 7000	27694	2900	0.23	1800	0.37	600	32994	0.01+
7001 - 10000	27277	3000	0.22	2200	0.29	500	32977	0.05+
10001 - 15000	27394	2300	0.39	2300	0.39	300	32294	0.00
15001 - 20000	11894	1500	0.51	1200	0.64	100	14494	0.02+
20001 - 30000	9810	700	0.70	1200	0.41	300	12010	0.05-
30001 - 40000	3777	500	1.04	-	-	-	4277	1212.63+
40001 and above	7154	1100	0.34	400	0.97	-	8654	0.00
TOTAL	209246	19500	0.29	14800	0.39	2600	246446	0.00-

(6) = (2) + (3) + (5) + (7)

(9) = $\frac{(3) \times (4) - (5) \times (6)}{(8)}$

TABLE - 9

TIGRE PROVINCE

NUMBER OF FARMING HOUSEHOLDS BY PRINCIPAL REASON FOR NO FURTHER EXPANSION IN CROP AREA, BY AWRAJAS

AWRAJA	NUMBER OF FARMING HOUSEHOLDS REPORTING AS PRINCIPAL REASON								
	LACK OF MARKET	LACK OF MANPOWER	LACK OF DRAFT ANIMALS	LAND NOT AVAILABLE	LAND TOO POOR	LAND TOO WEEDY	OTHER REASONS	REASON NOT STATED	TOTAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
ADWA	100	3800	26100	23000	5000	100	500	5600	64200
AGAME	-	1000	5400	16199	-	-	200	400	23199
AXUM	100	2500	12500	14600	5700	700	200	900	37200
ENDERTA	100	4000	7740	11460	500	-	-	1400	25200
HULET-AMLALO	-	700	10700	6300	1100	-	200	400	19400
RAYA & AZEBO	100	800	4700	6800	100	-	-	1000	13500
SHIRE	-	6031	10800	8062	3000	1400	1900	954	32147
TEMBIEN	-	1300	14400	12400	1300	-	800	1400	31600
TOTAL FOR PROVINCE	400	20131	92340	98821	16700	2200	3800	12054	246446

TABLE - 10

NUMBER OF FARMING HOUSEHOLDS BY SECONDARY REASON FOR NO FURTHER EXPANSION IN CROP AREA, BY AWRAJAS

AWRAJA	NUMBER OF FARMING HOUSEHOLDS REPORTING AS SECONDARY REASON								
	LACK OF MARKET	LACK OF MANPOWER	LACK OF DRAFT ANIMALS	LAND NOT AVAILABLE	LAND TOO POOR	LAND TOO WEEDY	OTHER REASONS	REASON NOT STATED	TOTAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
ADWA	-	1300	18100	16800	15000	900	500	11600	64200
AGAME	-	1600	9999	4500	600	-	-	6500	23199
AUSA	-	1400	7600	4700	3100	1400	500	18500	37200
ENDERTA	-	1300	3300	7300	3540	940	200	8620	25200
HULET-AWLALO	-	500	4100	7000	4300	-	300	3200	19400
RAYA & AZEBO	-	700	2800	2400	500	-	-	7100	13500
SHIRE	-	1500	7185	8077	3477	5000	1600	5108	32147
TSHAIRE	-	900	7100	9000	4300	300	800	9200	31600
TOTAL FOR PROVINCE	-	9200	60184	59777	35017	8540	3900	69828	246446

TABLE - 11

TRIBE PROVINCE

NUMBER OF FARMING HOUSEHOLDS BY PRINCIPAL REASON FOR NO FURTHER EXPANSION IN CROP AREA & BY AREA UNDER CROPS LAST YEAR FOR PROVINCE

SIZE OF CULTIVATED AREA LAST YEAR (SQ. METRES)	NUMBER OF FARMING HOUSEHOLDS REPORTING AS PRINCIPAL REASON								
	LACK OF MARKET	LACK OF MANPOWER	LACK OF DRAFT ANIMALS	LAND NOT AVAILABLE	LAND TOO POOR	LAND TOO WEEDY	OTHER REASONS	REASON NOT STATED	TOTAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10
UP TO 500	-	300	1300	900	300	-	-	-	2800
501 - 1000	-	500	1300	2500	300	-	100	400	5100
1001 - 2000	-	1300	7400	10233	900	-	-	900	20733
2001 - 3000	100	1800	11100	14673	1700	100	200	900	30573
3001 - 5000	-	4300	19700	18540	3700	100	900	2300	49540
5001 - 7000	-	2500	10900	14794	2200	200	800	1600	32994
7001 - 10000	100	2300	15200	10977	2400	200	200	1600	32977
10001 - 15000	-	2200	12140	11754	3000	1000	300	1900	32294
15001 - 20000	-	1800	5000	5440	800	100	200	1154	14494
20001 - 30000	100	1277	3800	4133	900	200	600	700	12010
30001 - 40000	100	677	1300	1200	300	300	100	300	4277
40001 and above	-	1177	3200	3377	200	-	400	300	8654
TOTAL	400	20131	92340	98821	16700	2200	3800	12054	246446

TABLE - 12

TIGRE PROVINCE

NUMBER OF FARMING HOUSEHOLDS BY SECONDARY REASON FOR NO FURTHER EXPANSION IN CROP AREA & BY AREA UNDER CROPS LAST YEAR FOR PROVINCE

SIZE OF CULTIVATED AREA LAST YEAR (SQ. METRES)	NUMBER OF FARMERS REPORTING AS SECONDARY REASON								
	LACK OF MARKET	LACK OF MANPOWER	LACK OF DRAFT ANIMALS	LAND NOT AVAILABLE	LAND TOO POOR	LAND TOO WEEDY	OTHER REASONS	REASON NOT STATED	TOTAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
UP TO 500	-	300	700	1300	300	-	-	200	2800
501 - 1000	-	300	2200	1200	200	-	100	1100	5100
1001 - 2000	-	1100	7433	5900	1700	300	200	4100	20733
2001 - 3000	-	1100	10033	8600	1700	600	200	8340	30573
3001 - 5000	-	1200	14400	13500	6640	1000	300	12500	49540
5001 - 7000	-	800	7954	8600	4300	900	500	9940	32994
7001 - 10000	-	700	6977	7400	7100	1100	1000	8700	32977
10001 - 15000	-	1500	5700	6200	6477	1400	600	10417	32294
15001 - 20000	-	900	2000	3300	1200	1440	300	5354	14494
20001 - 30000	-	600	1710	2000	2400	1100	300	4100	12210
30001 - 40000	-	400	200	500	600	300	200	2077	4277
40001 and above	-	500	877	1277	2400	600	200	3000	8854
TOTAL	-	9200	60154	59777	35017	8540	3900	69628	[illegible]

TABLE - 1

AVERAGE AREAS OF LOCAL LAND MEASUREMENT UNITS

AREA/A	NAME OF MEASUREMENT UNIT	AVERAGE AREA OF UNIT (SQ. METRES)	NUMBER OF FIELDS MEASURED
(1)	(2)	(3)	(4)
AEJU	Kossa	1499	41
	Senga (Kotto)	1474	170
	Timad	1172	16
	Kosta	473	2
	Fechasa	1335	3
AROSSA	Kossa	408	1
	Kossa	1988	1
	Senga (Kotto)	1662	169
	Timad	497	1
	Kosta	512	9
	Olas	2349	10
	Bali	503	37
	Kumsi	2740	1
	Kutsaban	2350	1
	Arbia	1939	5
GEINSI	Kossa	1323	631
	Senga (Kotto)	1220	637
	Timad	1580	4
	Kosta	1200	94
	Kinka	2250	1
	Kida	952	10
	Kardubo	930	6
	Jeji	348	2
	Chesada	1085	119
	Sodoma	507	2
	Kutsabane	550	1
	Delia	58	2
	Digisaa	288	1
HORO-GUDURU	Kufaro	1151	5
	Kossa	1261	57
	Senga (Kotto)	1561	41
	Timad	1554	229
	Kosta	446	2
	Guja	1094	11
	Gimia	4134	20
	Kara	1220	4
	Kona	2416	7
	Olas	2464	276
	Delia	797	2
	Kuta	457	1
	Awaraka	520	11
KELEM	Boy	519	1
	Kotab	62	1
	Senga (Kotto)	1489	827
	Timad	1649	7
	Kosta	406	71
	Duka	2267	1
	Kardubo	794	4
	Karsola	925	1

TABLE - 1

[redacted] PROVINCE

AVERAGE AREAS OF LOCAL LAND MEASUREMENT UNITS

AWAJA	NAME OF MEASUREMENT UNIT	AVERAGE AREA OF UNIT (SQ. METRES)	NUMBER OF FIELDS MEASURED
(1)	(2)	(3)	(4)
NKWANTE	Medeb	8	2
	Nessa	1115	257
	Senga (Kotio)	1317	64
	Timad	1023	54
	Keata	492	2
	Guya	1092	4
	Geneme	111	1
	Olmia	1800	1
	Fechasa	1331	21
	Kona	1343	54
	Bo-o	59	4
	Hida	975	7
	Chemeda	836	11
	Sodoma	716	1
	Nora-Della	51	1
	Della	63	1
FOR WHOLE PROVINCE	Nessa	1265	987
	Senga (Kotio)	1406	1910
	Timad	1428	311
	Keata	810	180
	Guya	1094	15
	Olmia	4001	21
	Fechasa	1332	24
	Kona	1394	61
	Hida	963	17
	Wardube	881	19
	Chemeda	1009	130
	Olma	2458	286
	Bali	503	37
	Asenteka	520	11

TABLE - 2

DISTRIBUTION OF FIELDS BY SIZE FOR PROVINCE

SIZE GROUP (SQ. METERS)	DISTRIBUTION OF FIELDS			
	NUMBER	%	TOTAL AREA (HECTARES)	%
(1)	(2)	(3)	(4)	(5)
UP TO 500	81200	6.9	2369	0.6
501 - 1000	156230	13.3	11024	2.5
1001 - 2000	381045	32.4	52650	12.2
2001 - 3000	225490	19.2	57728	13.3
3001 - 5000	152245	12.9	60571	14.0
5001 - 7000	60135	5.1	35497	8.2
7001 - 10000	44985	3.8	37237	8.6
10001 - 15000	30370	2.6	37000	8.5
15001 - 20000	14545	1.2	25188	5.8
20001 - 30000	15225	1.3	37061	8.5
30001 - 40000	5310	0.5	18174	4.2
40001 and above	9530	0.8	59157	13.6
TOTAL	1176340	100.0	433656	100.0

TABLE - 1

GROSS AREA SOWN UNDER SELECTED CROPS BY AWRAJAS (HECTARES)

CROP	ARJO		ASOSSA		CHIMBI		HORO-JUDURU		KELEM		NEKEMTE		FOR WHOLE PROVINCE	
	AREA SOWN	%	AREA SOWN	%	AREA SOWN	%	AREA SOWN	%	AREA SOWN	%	AREA SOWN	%	AREA SOWN	%
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
Maize	4890	12.9	15795	40.3	49788	39.1	8056	11.1	38545	42.5	13597	21.4	130671	30.3
African Millet	754	2.0	1539	3.9	15657	12.3	1009	1.4	7465	8.2	3823	6.0	30247	7.0
Barley	6485	17.1	213	0.6	2944	2.3	5047	6.9	4503	5.0	9414	14.9	28606	6.6
Sorghum	2928	7.7	13950	35.5	8508	6.7	887	1.2	9204	10.1	4800	7.6	40277	9.3
Wheat	78	0.2	562	1.4	11	0.0	989	1.4	861	0.9	1928	3.0	4429	1.0
Teff	15394	48.5	5038	12.8	24363	19.1	40917	56.4	11880	13.1	22349	35.3	122941	28.5
Haricot Beans	-	-	448	1.1	117	0.1	-	-	1983	2.2	-	-	2548	0.6
Peas	1624	4.3	20	0.1	1488	1.2	2243	3.1	1469	1.6	1067	1.7	7911	1.8
Horse Beans	1011	2.7	14	0.0	1449	1.1	3540	4.9	797	0.9	1049	1.7	7860	1.8
Lentil (Chaya)	-	-	-	-	33	0.0	-	-	-	-	-	-	33	0.0
Lentils (Misir)	-	-	-	-	3	0.0	-	-	-	-	-	-	3	0.0
Chick Peas	-	-	547	1.4	49	0.0	-	-	2574	2.8	21	0.0	3191	0.7
Horse Beans & Peas	-	-	-	-	-	-	22	0.0	-	-	-	-	22	0.0
Rape seed	-	-	-	-	-	-	-	-	-	-	188	0.3	188	0.1
Noug	1731	4.5	435	1.1	1458	1.1	9104	12.5	80	0.1	2893	4.5	15703	3.7
Sesame	-	-	294	0.8	-	-	25	0.0	61	0.1	38	0.1	418	0.1
Linseed	-	-	109	0.3	-	-	622	0.9	-	-	-	-	731	0.2
Coffee	50	0.1	282	0.7	21389	16.8	53	0.1	11162	12.3	1604	2.2	34520	8.0
Coffee Charies	-	-	-	-	133	0.1	-	-	15	0.0	-	-	148	0.0
Enset	-	-	-	-	-	-	-	-	80	0.1	-	-	80	0.0
Bananas	-	-	-	-	-	-	-	-	-	-	13	0.0	13	0.0
Others	-	-	5	0.0	63	0.1	60	0.1	113	0.1	804	1.3	1045	0.2
ALL CROPS	37945	100.0	39751	100.0	127453	100.0	72574	100.0	90734	100.0	63399	100.0	431305	100.0

[illegible] PROVINCE

TABLE - 4

TOTAL CULTIVATED AREA BY AWRAJAS (HECTARES)

AWRAJA	CULTIVATED AREA					CULTIVATED AREA OUTSIDE AS PERCENTAGE OF TOTAL CULTIVATED AREA	CULTIVATED AREA OWNED	CULTIVATED AREA OWNED AS PERCENTAGE OF TOTAL CULTIVATED AREA
	WITHIN THE SUBDIVISION	OUTSIDE THE SUBDIVISION	NOT STATED	TOTAL CULTIVATED AREA	%			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
ARJO	35829	785	-	36614	8.4	2.1	7727	21.1
ASOSSA	41831	2013	12	43856	10.1	4.6	39687	90.5
CHEMBI	120993	9292	98	130383	30.1	7.1	35762	27.4
[illegible]	70702	2445	519	73666	17.0	3.3	26594	36.1
KELEM	80939	4449	-	85388	19.7	5.2	33913	39.7
SEKANTE	55496	7231	1022	63749	14.7	11.3	20126	31.6
TOTAL FOR PROVINCE	405790	26215	1651	433656	100.0	6.0	163809	37.8

$$(7) = \frac{(3)}{(5)} \times 100$$

$$(9) = \frac{(8)}{(5)} \times 100$$

TABLE - 5

AVERAGE CULTIVATED AREA PER HOUSEHOLD AND AVERAGE SIZE OF FIELD BY AWRAJAS

AWRAJA	TOTAL NUMBER OF HOUSEHOLDS	NUMBER OF FARMING HOUSEHOLDS	PERCENTAGE OF HOUSEHOLDS REPORTING CULTIVATED LAND LAST YEAR	CULTIVATED AREA PER		NUMBER OF FIELDS		AVERAGE SIZE OF FIELD
				HOUSEHOLD (HECTARES)	FARMING HOUSEHOLD (HECTARES)	TOTAL	AVERAGE PER FARMING HOUSEHOLD	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
ARJO	28520	23620	82.8	1.3	1.6	75285	3.2	0.5
ASOSSA	33855	29860	88.2	1.3	1.5	68565	2.3	0.6
GHINBI	110100	103300	93.8	1.2	1.3	484900	4.7	0.3
SCRO-GUDURU	51030	41560	81.4	1.4	1.8	139660	3.4	0.5
KELEM	65000	60500	93.1	1.3	1.4	259700	4.3	0.3
SEKANTE	49200	41200	83.7	1.3	1.5	148200	3.6	0.4
TOTAL FOR PROVINCE	337705	300 340	88.8	1.3	1.4	1176310	3.9	0.4

(4) = $\frac{(3) \times 100}{(2)}$; (5) = $\frac{(7) \text{ of table 4}}{(2) \text{ of table 3}}$

(6) = $\frac{(5) \text{ of table 4}}{(3) \text{ of table 3}}$ (8) = $\frac{(7)}{(3)}$; (9) = $\frac{(5) \text{ of table 4}}{(7) \text{ of table 3}}$

TABLE - 6

DISTRIBUTION OF FARMING HOUSEHOLDS BY CULTIVATED AREA LAST YEAR BY AWRAJAS

AWRAJA	1= NO. OF FARMING H/H 2= TOTAL CULTIVATED AREA (HECTARES)	SIZE GROUP OF CULTIVATED HOLDING												
		UP TO 500	501-1000	1001-2000	2001-3000	3001-5000	5001-7000	7001-10000	10001-15000	15001-20000	20001-30000	30001-40000	40001 & above	TOTAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
ASTU	1	100	100	705	1610	2690	4225	4620	3815	1715	1320	500	2489	23629
	2	5	10	113	453	1034	2696	3774	4654	2986	3147	1907	16153	36974
ASOSSA	1	85	390	2713	1085	4930	3255	4755	4495	1520	1395	1173	2560	29389
	2	2	43	371	455	1922	1966	3931	5719	2897	3857	4056	18877	43756
DERMJI	1	600	1200	3700	5300	15500	14000	19000	18100	10000	5100	2600	5200	101300
	2	17	84	338	1321	6379	9605	18104	22139	16979	19175	9152	30179	130853
DORO-GUDDO	1	300	400	2490	800	4270	8020	7020	7320	4320	4440	1760	4260	41560
	2	8	30	345	191	1727	2437	5967	9263	7451	10376	6008	29585	73666
KELEM	1	200	300	1900	4000	7200	10000	11900	9600	6000	4200	2100	3100	60500
	2	7	22	295	1063	3031	5945	10083	11931	10403	10112	7048	25448	85388
WEKANTE	1	-	500	1600	1800	3900	6700	6400	9100	3700	3200	1200	3100	41200
	2	-	36	243	433	1544	3955	5384	11146	6404	8027	4272	22305	63749
FOR WHOLE PROVINCE	NO. OF FARMING HOUSEHOLDS	1285	3090	13110	15395	38420	42200	53495	52630	27255	22855	9315	20990	300060
	PERCENTAGE	0.4	1.0	4.4	5.1	12.8	14.1	17.8	17.6	9.1	7.6	3.1	7.0	100.0
	TOTAL CULTIVATED AREA	39	225	1906	3916	15637	25174	45243	64974	46860	54854	32321	142477	433656
	PERCENTAGE	0.0	0.1	0.4	0.9	3.6	5.8	10.4	15.0	10.8	12.6	7.5	32.9	100.0

TABLE - 7

NUMBER OF FARMING HOUSEHOLDS BY DIFFERENCE IN CULTIVATED AREA BETWEEN LAST YEAR AND YEAR BEFORE LAST

AWRAJA	FARMING HOUSEHOLDS REPORTING (COMPARED TO YEAR BEFORE LAST)							
	NUMBER HAVING SAME CULTIVATED AREA LAST YEAR	NUMBER HAVING GREATER CULTIVATED AREA LAST YEAR	AVERAGE INCREASE IN AREA (HECTARES)	NUMBER HAVING LESS CULTIVATED AREA LAST YEAR	AVERAGE DECREASE IN AREA (HECTARES)	NOT STATED	TOTAL NUMBER OF FARMING HOUSEHOLDS	AVERAGE NET INCREASE (+) OR DECREASE (-) IN CULTD. AREA (SQ. METERS)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
ARJO	17830	1920	0.28	3565	0.15	305	23620	0.01-
ASOSSA	21375	3590	0.42	4705	0.32	190	29860	0.01+
GHIMBI	65800	24400	0.29	12500	0.57	600	103300	5.58-
HORO-GUDURU	30840	4450	0.44	5470	0.36	800	41560	0.09+
KELIN	33300	13100	4.19	13900	3.95	200	60500	0.10-
WEKANTE	19100	12100	0.32	10000	0.38	-	41200	0.01-
TOTAL FOR PROVINCE	188245	59560	1.17	50140	1.49	2095	300040	6.71-

(8) - (2) + (3) + (5) + (7)

$$(9) = \frac{(3) \times (4) - (5) \times (6)}{(8)}$$

TABLE - 8

KULLORA PROVINCE

NUMBER OF FARMING HOUSEHOLDS BY SIZE OF CULTIVATED AREA LAST YEAR AND BY DIFFERENCE IN CULTIVATED AREA BETWEEN LAST YEAR AND YEAR BEFORE LAST FOR PROVINCE

SIZE OF CULTIVATED AREA LAST YEAR (SQ. METRES)	FARMERS REPORTING (COMPARED TO YEAR BEFORE LAST)							
	NUMBER HAVING SAME CULTIVATED AREA LAST YEAR	NUMBER HAVING GREATER CULTIVATED AREA LAST YEAR	AVERAGE INCREASE IN AREA (HECTARES)	NUMBER HAVING LESS CULTIVATED AREA LAST YEAR	AVERAGE DECREASE IN AREA (HECTARES)	NOT STATED	TOTAL NUMBER OF FARMING HOUSEHOLDS	AVERAGE NET INCREASE (+) OR DECREASE (-) IN CULTD. AREA (SQ. METRES)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
UP TO 500	985	100	0.18	200	0.09	-	1285	0.00
501 - 1000	2590	100	0.04	400	0.01	-	3090	0.00
1001 - 2000	9540	770	0.19	2500	0.06	-	13110	0.09-
2001 - 3000	10215	2090	0.20	2990	0.14	100	15395	0.05-
3001 - 5000	26445	5600	0.29	6175	0.26	200	38420	0.14-
5001 - 7000	27135	6775	7.44	8090	6.40	200	42200	0.10-
7001 - 10000	33410	11965	0.28	7720	0.44	400	53495	0.04-
10001 - 15000	31800	12100	0.32	8430	0.47	300	52630	12.41-
15001 - 20000	13130	7715	0.36	4110	0.67	300	27255	0.15+
20001 - 30000	11980	6305	0.41	4065	0.64	505	22855	0.12+
30001 - 40000	5035	2200	0.54	1990	0.60	90	9315	0.13+
40001 and above	13680	3840	0.54	3470	0.58	-	20990	24.76+
TOTAL	188245	59560	1.17	50140	1.40	2095	300040	4.71-

(8) = (2) + (3) + (5) + (7)

$$(9) = \frac{(3) \times (4) - (5) \times (6)}{(8)}$$

TABLE - 9

NUMBER OF FARMING HOUSEHOLDS BY PRINCIPAL REASON FOR NO FURTHER EXPANSION IN CROP AREA, BY AWRAJAS

AWRAJA	NUMBER OF FARMING HOUSEHOLDS REPORTING AS PRINCIPAL REASON								
	LACK OF MARKET	LACK OF MANPOWER	LACK OF DRAFT ANIMALS	LAND NOT AVAILABLE	LAND TOO POOR	LAND TOO WEEDY	OTHER REASONS	REASON NOT STATED	TOTAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
ABJO	-	2605	12965	6515	1225	-	310	-	23620
[illegible]	-	6990	16840	1770	2845	85	750	580	29860
GHINNI	-	14700	64300	13200	3500	3500	2300	1800	103300
HORO-GUDURU	-	7820	19920	8880	2600	690	740	910	41560
KELEM	100	9300	45100	4000	900	100	500	500	60500
NEKEMTE	300	8000	23600	3100	1300	700	1200	3000	41200
TOTAL FOR PROVINCE	400	49415	182725	37465	12370	5075	5800	6730	300040

IMO/ABIA PROVINCE

TABLE - 10

NUMBER OF FARMING HOUSEHOLDS BY SECONDARY REASON FOR NO FURTHER EXPANSION IN CROP AREA, BY AREA/LGA

AREA/LGA	NUMBER OF FARMING HOUSEHOLDS REPORTING AS SECONDARY REASON								
	LACK OF MARKET	LACK OF MANPOWER	LACK OF DRAFT ANIMALS	LAND NOT AVAILABLE	LAND TOO POOR	LAND TOO WEEDY	OTHER REASONS	REASON NOT STATED	TOTAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
ARUO	-	2925	4810	8050	3015	1710	700	1410	23620
ASCUSSA	-	8310	3915	4180	3430	1370	3400	3255	29360
OKIGWE	100	17300	13600	30700	7500	8400	6200	19500	103300
ORLO-OKEUKU	-	5990	9790	11930	3740	2400	1480	6230	41560
OKIGWE	100	10800	5500	9100	3400	6900	1600	23100	60300
OKIGWE	-	4400	3900	3600	3500	4100	4100	17600	41200
TOTAL FOR PROVINCE	200	50725	41515	67560	26585	24880	17480	71095	300040

WOLLEGA PROVINCE

TABLE – 11

NUMBER OF FARMING HOUSEHOLDS BY PRINCIPAL REASON FOR NO FURTHER EXPANSION IN CROP AREA & BY AREA UNDER CROPS LAST YEAR FOR PROVINCE

SIZE OF CULTIVATED AREA LAST YEAR (SQ. METERS)	NUMBER OF FARMING HOUSEHOLDS REPORTING AS PRINCIPAL REASON								
	LACK OF MARKET	LACK OF MANPOWER	LACK OF DRAFT ANIMALS	LAND NOT AVAILABLE	LAND TOO POOR	LAND TOO WEEDY	OTHER REASONS	REASON NOT STATED	TOTAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
UP TO 500	–	400	800	85	–	–	–	–	1285
501 – 1000	–	1100	1990	–	–	–	–	–	3090
1001 – 2000	–	3250	7735	1055	450	–	490	100	13110
2001 – 3000	–	3520	10120	1395	160	–	–	200	15395
3001 – 5000	–	5520	27115	3765	1060	400	360	200	38420
5001 – 7000	100	5220	29070	4455	865	1190	600	700	42200
7001 – 10000	100	7215	34960	5725	1795	1300	900	1500	53495
10001 – 15000	100	7615	31750	6990	2905	1000	1040	1200	52630
15001 – 20000	–	5165	14440	4155	1400	500	605	990	27255
20001 – 30000	–	4260	12355	3625	1005	385	405	825	22855
30001 – 40000	–	2140	3985	1700	700	200	500	90	9315
40001 and above	100	4010	8375	4515	2000	100	900	990	20990
TOTAL	400	49415	182725	37455	12379	5075	5800	6790	330040

TABLE - 12

NUMBER OF FARMING HOUSEHOLDS BY SECONDARY REASON FOR NO FURTHER EXPANSION IN CROP AREA & BY AREA UNDER CROPS LAST YEAR FOR PROVINCE

SIZE OF CULTIVATED AREA LAST YEAR (SQ. METRES)	NUMBER OF FARMERS REPORTING AS SECONDARY REASON								
	LACK OF MARKET	LACK OF MANPOWER	LACK OF DRAFT ANIMALS	LAND NOT AVAILABLE	LAND TOO POOR	LAND TOO WEAK?	OTHER REASONS	REASON NOT STATED	TOTAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
UP TO 500	-	500	385	200	-	100	-	100	1285
501 - 1000	-	300	800	800	100	200	100	790	3090
1001 - 2000	-	3580	3145	2300	500	705	1280	1600	13310
2001 - 3000	-	2955	2390	3990	1280	1205	675	2900	15395
3001 - 5000	-	7000	5555	10485	2650	3190	2035	7505	38420
5001 - 7000	-	5915	5910	10825	3555	4380	1785	9830	42200
7001 - 10000	-	7740	6870	13545	5065	5570	2635	12070	53495
10001 - 15000	-	9455	7190	10900	4520	3480	2930	14155	52630
15001 - 20000	-	4525	3250	5725	2500	2140	2205	6910	27255
20001 - 30000	-	3020	2400	4065	2590	1560	1385	7835	22855
30001 - 40000	-	1550	1100	1925	750	420	880	2690	9315
40001 and above	200	4185	2520	2800	3075	1930	1570	4710	20990
TOTAL	200	50725	41515	67560	26585	24880	17480	71095	300040

TABLE - 1

WOLLO PROVINCE

AVERAGE AREAS OF LOCAL LAND MEASUREMENT UNITS

AWRAJA	NAME OF MEASUREMENT UNIT	AVERAGE AREA OF UNIT (SQ. METRES)	NUMBER OF FIELDS MEASURED
(1)	(2)	(3)	(4)
AMBASSEL	Kedema	809	107
	Timad	779	52
	Tilm	239	10
AWSA	Kedema	3806	2
	Timad	1444	16
DESSIE-ZURIA	Kedema	1513	95
	Timad	548	16
	Tilm	111	2
KALU	Kedema	1551	23
	Masaa	1407	2
	Timad	819	77
	Guya	1049	10
LASTA	Kufaro	746	1
	Timad	928	271
RAYA & KOBO	Timad	1030	58
WADLA-DELANTA	Timad	1650	71
WAG	Timad	1288	197
WERE-HIMENU	Timad	648	270
	Guya	2688	2
WERE-ILU	Timad	972	166
YEJU	Timad	577	96
FOR WHOLE PROVINCE	Kedema	1311	227
	Timad	976	1290
	Tilm	204	12
	Guya	1164	12

TABLE - 2

DISTRIBUTION OF FIELDS BY SIZE FOR PROVINCE

SIZE GROUP (SQ. METERS)	DISTRIBUTION OF FIELDS			
	NUMBER	%	TOTAL AREA (HECTARES)	%
(1)	(2)	(3)	(4)	(5)
UP TO 500	73295	11.0	2448	1.1
501 - 1000	160530	24.2	13500	6.2
1001 - 2000	189555	28.5	30130	13.9
2001 - 3000	81360	12.3	21103	9.8
3001 - 5000	77875	11.7	29191	13.5
5001 - 7000	28080	4.2	16368	7.6
7001 - 10000	17375	2.6	14408	6.7
10001 - 15000	12905	2.0	15459	7.1
15001 - 20000	6505	1.0	11022	5.1
20001 - 30000	8165	1.2	20316	9.4
30001 - 40000	3725	0.6	12640	5.8
40001 and above	4755	0.7	29743	13.8
TOTAL	664125	100.0	216328	100.0

TABLE - 3

GROSS AREA SOWN UNDER SELECTED CROPS BY AWRAJAS (HECTARES)

CROP	AMBASSEL		AMBA		DESSIE-ZURIA		KALU		LASTA		RAYA & KOBO		WAJELA-DELANTA		WAG		WERE-ILU		WERE-SIMENU		TEUT		FOR WHOLE PROVINCE	
	AREA SOWN	%	AREA SOWN	%	AREA SOWN	%	AREA SOWN	%	AREA SOWN	%	AREA SOWN	%	AREA SOWN	%	AREA SOWN	%	AREA SOWN	%	AREA SOWN	%	AREA SOWN	%	AREA SOWN	%
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)
Maize	330	8.8	-	-	195	1.1	11513	39.1	-	-	51	0.2	-	-	228	0.6	-	-	-	-	279	1.2	11136	6.0
Barley	491	4.6	-	-	1042	5.7	49	0.2	12293	30.5	93	0.4	925	21.3	12720	30.6	7629	56.8	3652	26.5	68	0.4	39168	13.0
Sorghum	5961	56.4	3600	98.5	3500	19.2	8702	29.6	9638	23.9	17405	73.1	-	-	3387	8.2	963	7.0	205	1.5	10746	59.6	64407	29.5
Wheat	130	1.2	-	-	1414	7.7	124	0.4	3728	9.2	-	-	1664	38.4	3133	7.5	734	5.3	2721	19.7	58	0.3	13706	6.3
Teff	1525	17.3	13	0.4	10985	60.1	8020	27.3	6310	15.6	6255	26.3	-	-	13431	32.3	953	6.9	751	5.4	3778	32.1	54323	25.0
Barley/Wheat	-	-	-	-	-	-	-	-	138	0.3	-	-	-	-	-	-	-	-	-	-	-	-	138	0.1
Haricot Beans	3	0.1	-	-	-	-	-	-	24	0.1	-	-	-	-	1135	2.8	-	-	-	-	12	0.2	1214	0.6
Peas	300	2.8	47	0.7	300	1.7	8	0.0	2354	5.9	-	-	66	1.5	3796	14.0	796	2.1	1101	8.6	76	0.4	10434	4.8
Horse Beans	321	3.0	-	-	96	0.5	253	0.9	3286	8.1	-	-	1423	32.8	709	1.7	1996	13.8	3781	27.4	289	1.6	12054	5.5
Lentil (Beaya)	45	0.5	-	-	384	2.1	42	0.1	626	1.1	-	-	-	-	-	-	214	1.6	84	0.6	4	0.0	1104	0.6
Lentils (Misir)	28	0.3	-	-	-	-	-	-	583	1.4	-	-	198	4.6	32	0.1	607	4.4	1308	9.5	-	-	2776	1.3
Chick Peas	662	6.2	-	-	273	1.5	703	2.4	1279	3.2	-	-	-	-	-	-	272	2.0	56	0.4	388	2.2	3473	1.8
B. Beans & Peas	-	-	-	-	-	-	-	-	48	0.1	-	-	-	-	-	-	-	-	-	-	57	0.3	53	0.0
Soya	-	-	-	-	81	0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	81	0.0
Linseed	-	-	-	-	-	-	-	-	231	0.6	-	-	17	0.4	303	2.2	18	0.1	19	0.1	-	-	1118	0.5
Chat	1	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0.0
Beans	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	0.0	3	0.0
Others	58	0.8	14	0.4	-	-	7	0.0	-	-	7	0.0	41	1.0	13	0.0	-	-	48	0.3	118	1.0	348	0.2
ALL CROPS	10370	100.0	3656	100.0	18270	100.0	29421	100.0	40344	100.0	23811	100.0	4334	100.0	41347	100.0	13752	100.0	13798	100.0	11818	100.0	217251	100.0

WOLLO PROVINCE

TABLE - 4

TOTAL CULTIVATED AREA BY AWRAJAS (HECTARES)

AWRAJA	CULTIVATED AREA					CULTIVATED AREA OUTSIDE AS PERCENTAGE OF TOTAL CULTIVATED AREA	CULTIVATED AREA OWNED	CULTIVATED AREA OWNED AS PERCENTAGE OF TOTAL CULTIVATED AREA
	INSIDE THE SUBDIVISION	OUTSIDE THE SUBDIVISION	NOT STATED	TOTAL CULTIVATED AREA	%			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
AMBASSEL	7828	2376	93	10297	4.8	23.1	7336	71.2
AWSA	3207	346	-	3553	1.6	9.8	2811	79.1
DESSIE-ZURIA	14134	4096	-	18230	8.4	22.5	10698	58.7
KALU	23832	5471	-	29303	13.5	18.7	10000	34.1
LASTA	33243	7121	-	40366	18.7	17.6	37176	92.1
RAYA & KOBO	20416	3395	-	23811	11.0	14.3	13709	57.6
WADLA-DELANTA	3547	589	198	4334	2.0	13.6	2511	57.9
WAG	37351	3983	193	41527	19.2	9.6	37647	90.7
WERE-ILU	12693	1079	-	13772	6.4	7.8	11466	83.3
WERE-SINENU	12490	686	26	13204	6.1	5.2	11015	83.4
YEJU	14913	2934	84	17931	8.3	16.4	11162	62.2
TOTAL FOR PROVINCE	183656	32078	594	216328	100.0	14.8	155534	71.9

$$(7) = \frac{(3)}{(5)} \times 100$$

$$(9) = \frac{(8)}{(5)} \times 100$$

TABLE – 5

AVERAGE CULTIVATED AREA PER HOUSEHOLD AND AVERAGE SIZE OF FIELD BY AWRAJAS

AWRAJA	TOTAL NUMBER OF HOUSEHOLDS	NUMBER OF FARMING HOUSEHOLDS	PERCENTAGE OF HOUSEHOLDS REPORTING CULTIVATED LAND LAST YEAR	CULTIVATED AREA PER		NUMBER OF FIELDS		AVERAGE SIZE OF FIELD
				HOUSEHOLD (HECTARES)	FARMING HOUSEHOLD (HECTARES)	TOTAL	AVERAGE PER FARMING HOUSEHOLD	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
AMHASSEL	54625	47475	86.9	0.2	0.2	85585	1.8	0.1
AWSA	4740	3085	65.1	0.7	1.2	3610	1.2	1.0
DESSIE-ZURIA	33620	30700	91.3	0.5	0.6	65555	2.1	0.3
KALU	30200	23400	77.5	1.0	1.3	39100	1.7	0.7
LASTA	54955	45940	83.6	0.7	0.9	137220	3.4	0.3
RAYA & KOBO	12400	10800	87.1	1.9	2.2	18150	1.7	1.3
WADLA-DELANTA	11800	9900	83.9	0.4	0.4	25800	2.6	0.2
WAG	34300	29900	87.2	1.2	1.4	62600	2.1	0.7
WERE-SEMENU	50100	43500	86.8	0.3	0.3	83500	1.9	0.2
WERE-ILU	26350	21430	81.3	0.5	0.6	63720	3.0	0.2
YEJU	33675	31755	94.3	0.5	0.6	59285	1.9	0.3
TOTAL FOR PROVINCE	346765	297885	85.9	0.6	0.7	664125	2.2	0.3

(4) = $\frac{(3) \times 100}{(2)}$; (5) = $\frac{(5) \text{ of table 4}}{(2) \text{ of table 5}}$

(6) = $\frac{(5) \text{ of table 4}}{(3) \text{ of table 5}}$ (8) = $\frac{(7)}{(3)}$ (9) = $\frac{(5) \text{ of table 4}}{(7) \text{ of table 5}}$

TABLE - 6

DISTRIBUTION OF FARMING HOUSEHOLDS BY CULTIVATED AREA LAST YEAR BY AMHARA

AMHARA	No. OF FARMING H/H / TOTAL CULTIVATED AREA (HECTARES)	SIZE GROUP OF CULTIVATED HOLDING												
		UP TO 500	501-1000	1001-2000	2001-3000	3001-5000	5001-7000	7001-10000	10001-15000	15001-20000	20001-30000	30001-40000	40001 & above	TOTAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
AMBASSEL	1	8345	7500	14385	6870	6345	1970	950	470	320	900	-	-	47475
	2	306	575	2113	1636	2419	1159	756	581	520	230	-	-	10297
AWSA	1	-	-	-	725	325	550	525	340	260	900	900	900	5085
	2	-	-	-	201	141	327	449	378	385	262	262	9057	11313
DEBRETA-AMBIA	1	440	670	2520	3740	11725	3675	3255	2160	440	1420	325	-	30790
	2	14	47	420	999	4467	2014	2438	2702	733	3202	1074	-	17210
KALU	1	200	1500	300	1100	3500	2800	3800	2300	300	1300	1100	2600	23400
	2	6	122	146	265	2185	1732	3125	2742	1528	3127	1733	12556	29363
LALIBA	1	100	1145	3595	5105	8475	9950	7310	4940	1715	1835	995	1375	47940
	2	3	105	652	1375	3812	5990	6122	3937	2933	4385	672	8539	40166
RAYA & KOBO	1	-	100	100	450	950	1600	1550	900	1450	1250	300	2600	12000
	2	-	5	17	97	359	775	1229	1079	2525	2869	1027	13647	23811
WADLA-DELANTA	1	500	1200	2200	600	2800	700	1200	800	100	-	-	-	9900
	2	16	101	358	104	1105	444	1033	1011	164	-	-	-	4336
WAG	1	200	300	1900	4500	6000	4900	3200	3500	2700	1800	300	2000	29900
	2	7	22	289	1133	1528	2853	2570	4424	4652	4430	2957	14542	41347
WERE-ILU	1	3700	8100	13600	6300	5800	2800	1900	600	300	100	200	200	43500
	2	116	654	2151	1559	2207	1634	1437	706	485	299	671	1315	13204
WERE-ILU	1	400	300	4135	3460	3920	3305	1575	1395	1610	430	200	100	21430
	2	17	83	760	914	1601	2011	1358	1680	2704	1178	672	774	13772
YEJU	1	600	1480	7630	6840	5775	4485	1985	645	730	630	530	445	31755
	2	19	98	1085	1750	2329	2664	1633	771	1304	1577	1899	2802	17931
FOR VEHICLE PROVINCE	NO. OF FARMING HOUSEHOLDS	14505	22995	51465	33490	55795	36535	27150	18050	10905	8915	3880	8700	287985
	PERCENTAGE	4.9	7.7	17.3	11.2	18.7	12.3	9.1	6.1	3.5	3.0	1.3	2.9	100.0
	TOTAL CULTIVATED AREA	504	1813	7139	7933	21244	21503	22234	22031	17373	21569	13073	55007	216128
	PERCENTAGE	0.2	0.8	3.3	4.6	12.1	10.1	10.3	10.2	8.1	10.0	6.0	25.7	100.0

TABLE - 7

NUMBER OF FARMING HOUSEHOLDS BY DIFFERENCE IN CULTIVATED AREA BETWEEN LAST YEAR AND YEAR BEFORE LAST

AWRAJA	FARMING HOUSEHOLDS REPORTING (COMPARED TO YEAR BEFORE LAST)							
	NUMBER HAVING SAME CULTIVATED AREA LAST YEAR	NUMBER HAVING GREATER CULTIVATED AREA LAST YEAR	AVERAGE INCREASE IN AREA (HECTARES)	NUMBER HAVING LESS CULTIVATED AREA LAST YEAR	AVERAGE INCREASE IN AREA (HECTARES)	NOT STATED	TOTAL NUMBER OF FARMING HOUSEHOLDS	AVERAGE NET INCREASE (+) OR DECREASE (-) IN CULTD. AREA (SQ. METRES)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
[illegible]	46420	175	0.04	595	0.01	295	47475	0.00+
[illegible]	2835	125	0.31	125	0.31	-	3085	0.00
[illegible]	29025	85	-	1420	-	170	30700	0.00
[illegible]	21000	1100	0.36	1100	0.36	200	23400	0.00
[illegible]	40390	3555	0.31	1730	0.83	265	45940	0.02+
[illegible]	3500	700	0.38	500	0.54	100	90800	0.02+
[illegible]	5600	100	0.16	1100	0.01	100	9900	0.04+
[illegible]	27600	800	1.99	1300	0.73	200	29900	0.01+
[illegible]	40700	1200	0.15	1100	0.16	500	43500	0.01+
[illegible]	20440	390	0.38	100	2.22	300	21430	0.30+
[illegible]	29700	530	0.08	965	0.04	560	31755	0.02+
TOTAL FOR PROVINCE	276210	8960	0.36	10025	0.32	2890	297585	0.09+

(8) = (2) + (3) + (5) + (7)

(9) = $\frac{(3) \times (4) - (5) \times (6)}{(8)}$

TABLE - 8

HUILA PROVINCE

NUMBER OF FARMING HOUSEHOLDS BY SIZE OF CULTIVATED AREA LAST YEAR AND BY DIFFERENCE IN CULTIVATED AREA BETWEEN LAST YEAR AND YEAR BEFORE LAST FOR PROVINCE

SIZE OF CULTIVATED AREA LAST YEAR (SQ. METRES)	FARMERS REPORTING (COMPARED TO YEAR BEFORE LAST)							
	NUMBER HAVING SAME CULTIVATED AREA LAST YEAR	NUMBER HAVING GREATER CULTIVATED AREA LAST YEAR	AVERAGE INCREASE IN AREA (HECTARES)	NUMBER HAVING LESS CULTIVATED AREA LAST YEAR	AVERAGE DECREASE IN AREA (HECTARES)	NOT STATED	TOTAL NUMBER OF FARMING HOUSEHOLDS	AVERAGE NET INCREASE (+) OR DECREASE (-) IN CULTD. AREA (SQ. METRES)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
UP TO 500	13840	375	0.18	120	0.37	170	14505	0.01+
501 - 1000	21885	300	0.07	435	0.05	275	22895	0.00-
1001 - 2000	49945	200	0.13	900	0.03	420	51465	0.01-
2001 - 3000	37120	1170	0.16	850	0.23	300	39440	0.02+
3001 - 5000	51060	1265	0.18	2875	0.08	595	55795	0.02+
5001 - 7000	32985	1340	0.31	1395	0.22	365	36585	0.01-
7001 - 10000	24975	1475	0.30	600	0.73	105	27150	0.01+
10001 - 15000	16065	1185	0.34	600	0.68	200	18050	0.04-
15001 - 20000	9090	750	0.51	500	0.76	165	10505	0.02-
20001 - 30000	7360	400	0.69	455	0.61	100	8315	0.02+
30001 - 40000	3480	100	2.57	300	0.86	-	3880	0.03-
40001 and above	7505	400	1.27	495	1.02	-	8700	0.02-
TOTAL	275210	8960	0.36	10025	0.32	2690	297885	0.01-

(8) = (2) + (3) + (5) + (7)

$$(9) = \frac{(3) \times (4) - (5) \times (6)}{(8)}$$

WOLLO PROVINCE

TABLE - 9

NUMBER OF FARMING HOUSEHOLDS BY PRINCIPAL REASON FOR NO FURTHER EXPANSION IN CROP AREA, BY AWRAJAS

AWRAJA	NUMBER OF FARMING HOUSEHOLDS REPORTING AS PRINCIPAL REASON								
	LACK OF MARKET	LACK OF MANPOWER	LACK OF DRAFT ANIMALS	LAND NOT AVAILABLE	LAND TOO POOR	LAND TOO WEEDY	OTHER REASONS	REASON NOT STATED	TOTAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
AKRASSIE	130	12180	28300	6330	240	-	-	295	47475
AMBA	-	225	970	1665	225	-	-	-	3085
DESSIE-ZURIA	-	7060	18290	5095	-	-	-	255	30700
KALU	-	4900	7300	9900	400	300	-	600	23400
LASTA	-	1180	13635	25395	4260	195	-	1365	45940
RAYA & KOBO	-	900	3200	5800	400	-	100	400	10800
SAMRA-GELANTA	100	600	3700	4400	500	100	400	100	9900
WAG	-	4500	12500	8600	3900	-	100	300	29900
WERE-ILU	-	1700	12700	23300	5100	100	100	500	43500
WERE-SILASSIE	-	1510	7085	11250	1185	-	40	600	21630
YEJU	-	800	4945	23405	2010	-	100	495	31755
TOTAL FOR PROVINCE	230	35555	112625	125050	18220	695	800	4710	297885

WOLLO PROVINCE

TABLE - 10

NUMBER OF FARMING HOUSEHOLDS BY SECONDARY REASON FOR NO FURTHER EXPANSION IN CROP AREA, BY AWRAJAS

AWRAJA	NUMBER OF FARMING HOUSEHOLDS REPORTING AS SECONDARY REASON								
	LACK OF MARKET	LACK OF MANPOWER	LACK OF DRAFT ANIMALS	LAND NOT AVAILABLE	LAND TOO POOR	LAND TOO WEEDY	OTHER REASONS	REASON NOT STATED	TOTAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
AKRASSUEL	-	740	8065	33120	2235	115	-	3200	47475
ANSA	-	400	850	865	605	-	-	365	3095
DESSIE-ZURIA	-	525	3875	22890	-	85	-	3325	30700
KALU	-	2000	4700	9400	600	400	100	6200	23400
LASTA	-	2145	15525	12625	2115	-	-	13530	45940
RAYA & KOBO	-	900	2900	2150	1700	400	100	2650	10800
WADLA-DELANTA	500	600	3400	2600	900	100	-	1800	9900
WAG	-	2000	6900	7900	6000	100	200	4800	29900
WERE-ILU-BU	100	1200	18000	9200	5700	100	400	8800	43500
WERE-ILU	-	500	8155	6555	1570	100	100	4450	21430
TEJU	-	3080	13565	4700	5405	500	-	4505	31755
TOTAL FOR PROVINCE	600	14090	87935	112005	26830	1900	900	53625	297885

NGILO PROVINCE

TABLE - 11

NUMBER OF FARMING HOUSEHOLDS BY PRINCIPAL REASON FOR NO FURTHER EXPANSION IN CROP AREA & BY AREA UNDER CROPS LAST YEAR FOR PROVINCE

SIZE OF CULTIVATED AREA LAST YEAR (Sq. METERS)	NUMBER OF FARMING HOUSEHOLDS REPORTING AS PRINCIPAL REASON								
	LACK OF MARKET	LACK OF MANPOWER	LACK OF DRAFT ANIMALS	LAND NOT AVAILABLE	LAND TOO POOR	LAND TOO WEEDY	OTHER REASONS	REASON NOT STATED	TOTAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
UP TO 500	-	1975	7230	4410	500	100	-	290	14505
501 - 1000	-	2670	8615	9820	1415	-	100	275	22895
1001 - 2000	130	5570	20555	21385	3325	100	-	400	51465
2001 - 3000	-	3475	14965	18185	2415	-	100	300	39440
3001 - 5000	-	4850	21535	22610	3405	-	400	995	55795
5001 - 7000	-	3570	13890	15915	2350	195	100	565	36585
7001 - 10000	-	2915	9980	12775	1180	-	-	300	27150
10001 - 15000	100	3075	5435	6435	2020	100	-	885	18050
15001 - 20000	-	1350	3730	4725	600	-	-	100	10505
20001 - 30000	-	1910	2495	3695	315	100	-	400	8915
30001 - 40000	-	495	1620	1465	100	-	-	200	3880
40001 and above	-	1700	2575	3630	595	100	100	-	8700
TOTAL	230	35555	112625	125090	18220	695	500	4710	297625

TABLE - 12

NYANZA PROVINCE

NUMBER OF FARMING HOUSEHOLDS BY SECONDARY REASON FOR NO FURTHER EXPANSION IN CROP AREA & BY AREA UNDER CROPS LAST YEAR FOR PROVINCE

SIZE OF CULTIVATED AREA LAST YEAR (SQ. METRES)	NUMBER OF FARMERS REPORTING AS SECONDARY REASON								
	LACK OF MARKET	LACK OF MANPOWER	LACK OF DRAFT ANIMALS	LAND NOT AVAILABLE	LAND TOO POOR	LAND TOO WEAK	OTHER REASONS	REASON NOT STATED	TOTAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
UP TO 500	-	285	3955	8245	400	-	100	1520	14505
501 - 1000	-	400	9585	9630	1045	-	-	2235	22895
1001 - 2000	-	1905	19550	20725	4150	185	100	4850	51465
2001 - 3000	100	2450	12650	14725	2950	315	200	6050	39440
3001 - 5000	-	2005	14860	22870	3995	100	100	11865	55795
5001 - 7000	-	1695	10235	12670	3955	300	-	7730	36585
7001 - 10000	300	1415	7245	8450	3135	100	-	6305	27150
10001 - 15000	200	1530	3855	6020	1815	100	100	4430	18050
15001 - 20000	-	720	2360	2925	1805	-	-	2695	10505
20001 - 30000	-	1155	1955	2395	800	200	200	2210	8915
30001 - 40000	-	-	400	1155	830	100	100	1295	3880
40001 and above	-	530	1285	2195	1950	500	-	2240	8700
TOTAL	600	14090	87935	112005	26830	1900	900	53625	297885

A N N E X 1

1. Sample Design

A stratified two-stage sampling design was adopted for the Second Round National Sample Survey in the rural areas. The whole country (excluding Eritrea and nomadic areas in the other provinces - see Annex 4 for a complete list of rural areas not covered in the NSS 2nd Round), was at first stratified into about 450 weredas into which the country is divided for administrative purposes.

Within each wereda, a complete list of all the administrative sub-divisions was prepared for use as the first stage sampling frame.

In the case of weredas with less than 30 sub-divisions, the first stage sampling consisted of selecting two sub-divisions with probability proportional to their administrative population counts, or some other suitable measure of size if available, otherwise with equal probability.

When there are 30 or more sub-divisions in a wereda, two pairs of two contiguous sub-divisions were selected, by selecting two nucleus sub-divisions by the above method, and then selecting a neighbouring sub-division for each nucleus with equal probability among all its contiguous neighbours.

For the second stage sampling all the households residing in a selected sub-division were listed, and a proportion sampled for further inquiries by systematic sampling after stratification by household class (i.e. owner, tenant, etc.) such that the overall sampling fraction is 1 in 100.

Method of Estimation

As outlined in the sampling design two methods were utilized depending on the number of sub-divisions in a wereda.

A. When the number of sub-divisions is less than 30, two sub-divisions were selected at random with probability proportional to some size measure if available, otherwise with equal probability. At the second stage, all the households in a selected sub-division were listed down and a proportion selected to be canvassed by systematic sampling with a random start after determining the sampling interval. The sampling interval, k, was chosen so that

$$k_i = 200\, p_i, \text{ where}$$

p_i = probability of selection of the ith sample sub-division.

When the sample aggregates, in the respective sub-divisions, for any desired characteristic, such as the number of persons, is multiplied by the inverse sampling fraction, i.e. 100 and the resultant totals for the two sub-divisions added up, this will give the wereda estimates.

Hence if we denote by t_1 and t_2 the respective sample totals for the two selected sub-divisions for a particular wereda, wereda estimates will be given by

$$100t_1 + 100t_2$$

B. When the number of sub-divisions in a wereda is more than 30, two pairs of two contiguous sub-divisions were selected, by selecting two nucleus sub-divisions either with probability proportional to size if available, otherwise with equal probability, and then selecting a neighbouring sub-division for each nucleus with equal probability among all its contiguous neighbours. For the second stage sampling, all the households residing in each of the selected sub-divisions were listed and a proportion sampled for further inquiries such that the overall sampling fraction is 1 in 100.

To get an estimate for the wereda for any desired characteristic, e.g., the number of persons or households, the following estimating formula was used.

$$\frac{1}{2}\left[\frac{\frac{k_{1N}t_{1N}}{n_{1N}} + \frac{k_{1c}t_{1c}}{n_{1c}}}{\frac{p_{1N}}{n_{1N}} + \frac{p_{1c}}{n_{1c}}} + \frac{\frac{k_{2N}t_{2N}}{n_{2N}} + \frac{k_{2c}t_{2c}}{n_{2c}}}{\frac{p_{2N}}{n_{2N}} + \frac{p_{2c}}{n_{2c}}}\right]$$

where k_{iN} = sampling interval for i th selected nucleus subdivision (i=1,2)

p_{iN} = probability of selecting the i th nucleus subdivision (i=1,2)

n_{iN} = number of contiguous neighbouring subdivisions for the i th nucleus subdivision (i=1,2)

t_{iN} = sample total of the characteristic in the i th nucleus subdivision (i=1,2)

k_{ic} = sampling interval for the selected contiguous subdivision to the i th nucleus subdivisions (i=1,2)

p_{ic} = probability of selecting the selected contiguous subdivision to the i th nucleus subdivision (i=1,2)

n_{ic} = number of contiguous neighbouring subdivision to the selected contiguous subdivision to the i th nucleus subdivision (i=1,2)

t_{ic} = sample total of the characteristic in the chosen subdivision contiguous to the i th nucleus subdivision.

The sampling intervals k_{iN} and k_{ic} have been fixed such that

$$k_{iN} = 200\left(p_{iN} + p_{ic}\frac{n_{iN}}{n_{ic}}\right) \quad i = 1,2$$

$$k_{ic} = 200\left(p_{ic} + p_{iN}\frac{n_{ic}}{n_{iN}}\right) \quad i = 1,2$$

Since t_{1E}, t_{1c}, t_{2E} and t_{2c} represent the sample totals in the respective pairs of contiguous subdivision, by multiplying each of these totals by the inverse sampling fraction, i.e., 100, the wereda estimate is obtained.

When the wereda estimate has been obtained by using either A or B, as appropriate, the Awraja estimate totals are obtained by adding the wereda estimates. The same procedure was followed to get the final province and country aggregates (for the surveyed areas).

ANNEX - 2

SURVEY DATES IN THE PROVINCES

(NATIONAL SAMPLE SURVEY, SECOND ROUND)

	PROVINCE	SURVEY DATE
1.	ARUSSI	November 1968 - March 1970
2.	BALE	December 1970 - February 1971
3.	BEGEMDIR & SEMIEN	November 1968 - July 1969
4.	GEMU GOFFA	November 1968 - June 1970
5.	GOJAM	January 1971 - May 1971 (Mateket Awraja was surveyed in January & February of 1968)
6.	HARARGE	November 1968 - September 1969
7.	ILLUBABOR	November 1968 - May 1969 (Gambella Awraja was surveyed in March of 1968)
8.	KEFFA	November 1968 - March 1969
9.	SHOA	November 1968 - June 1970
10.	SIDAMO	November 1968 - December 1969
11.	TIGRE	November 1968 - December 1969
12.	WOLLEGA	November 1968 - April 1970
13.	WOLLO	November 1968 - May 1970

ANNEX - 3

AREAS NOT SURVEYED DURING THE FIRST AND SECOND ROUNDS OF THE NATIONAL SAMPLE SURVEY

PROVINCE	FIRST ROUND		SECOND ROUND	
	AWRAJA	WEREDA	AWRAJA	WEREDA
BALE	All Awrajas		Elkere	
			Dollo	a) Wada Welabu
			Wabe	a) Hayitu
BEGEMEIR & SEMIEN	Wegera	a) Betit Humera		
	"	b) Wolkait	-	-
ERITREA	All Awrajas	-	All Awrajas	-
GEMU GOFFA	Geleb & Hamer Bago	-	Goffa	a) Wub-Hamer
			Geleb	a) Geleb b) Murelibodi
GOJAM	Matekel	-	-	-
HARARGE	The 6 Awrajas of the Ogaden	-	Caraguracha	a) Denkel b) Ayisha c) Gewane
			The 6 Awrajas of Ogaden	
ILLUBABOR	Gambella	-	Gambella	Akobo
KEFFA	Madji	-	Madji	a) Biro b) Tirmatid
SIDAMO	Borena	-	Borena	-
			Arero	a) Arero b) Tertele c) Yabello
			Jenjem	a) Aroressa
TIGRE	-	Seven mikitil weredas in Agame, Hulet Awlalo, Enderta and Raya & Azebo	Agame	a) Dalol
			Adwa	a) Endafalasi
WOLLO	Awsa	a) Afambo b) Awsa	Borena	-
			Wadla Delanta	a) Wadla Dawunt
			Awsa	a) Afambo b) Awsa

NATIONAL SURVEY OF ETHIOPIA (2nd ROUND)

LAND AREA AND UTILIZATION

ANNEX 4

SCHEDULE 7

LOCATING REFERENCE	1 PROVINCE	2 AWRAJA	3 WEREDA	4 SUB-DIVISION	5 H.H. NUMBER	CODE 1 2 3 4 5 6 7 8 9 10 11 12

COMPLETE FOR EACH FIELD CROPPED AT LEAST ONCE (SEASON 1)																					TWICE (SEASON 2)						THRICE (SEASON 3)					
6	7	8	9					10						11						12						13	14			15	16		
FIELD No.	TENURE	LOCATION	AREA OF FIELD No.	UNITS	UNIT USED			IF MEASURED NUMBER SQUARE METERS X						TYPE OF CROP LOCAL NAME	FAILURE?			AMHARIC NAME		IF FIELD USED FOR CROP COMBINATIONS GIVE PRODUCTION OF EACH No.	UNITS	UNIT USED				NUMBER AREA UNITS	TYPE OF CROP LOCAL NAME	FAILURE?		NUMBER AREA UNITS	TYPE OF CROP LOCAL NAME	FAILURE?	
13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47
	1																																	
	2																																	
	3																																	
	4																																	
	5																																	
	6																																	
	7																																	
	8																																	
	9																																	
	0																																	

DIFFERENCE IN CROP AREA						REASON FOR NO FURTHER EXPANSION									
17			18			19									
CROP AREA COMPARED TO YEAR BEFORE			DIFFERENCE IN CROP AREA BETWEEN LAST TWO YEARS			LACK OF			LAND						
SAME	GREATER	LESS	NUMBER UNITS		UNIT USED	MARKET	MAN POWER	DRAFT ANIMALS	NOT AVAILIBLE	TOO POOR	TOO WEEDY	OTHER *			
13			14	15	16	17	18	19 REASON 1			20 REASON 2				

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DETAILS FOR FIRST TYPE UNIT										DETAILS FOR SECOND TYPE UNIT											
TOTAL No. FIELDS	TYPE OF TENURE	TOTAL UNITS		UNIT USED	NUMBER UNITS OWNED		NUMBER UNITS RENTED		IF MEASURED TOTAL SQUARE METERS	TOTAL UNITS		UNIT USED	NUMBER UNITS OWNED		NUMBER UNITS RENTED		IF MEASURED TOTAL SQUARE METERS		TOTAL SOMT GROUP	SIZE OF HOUSEHOLD
21	22	23	24 25 26	27 28	29 30 31		32 33 34		35 36 37 38 39 40	41	42 43	44 45	46 47 48		49 50 51		52 53 54 55 56 57		58	59 60

X — PUT AN X IF ANY BOUNDARY IMAGINARY

* SPECIFY "OTHER" REASON

SIGNATURES ROLL NUMBERS DATES	ENUMERATOR	No.	SURVEY DATE / /	SUPERVISOR	No.	SCRUTINY DATE / /

FIELD AREA MEASUREMENT

SUB-DIVISION _____ PSN NUMBER _____ FIELD NUMBER _____

CROPS PLANTED LAST YEAR _____ IF ANY BOUNDARY IMAGINARY PUT X IN BOX ☐

SIDE	A—B	B—C	C—	D—	E—	F—	G—	H—	I—	J—
BEARING (°)										
DISTANCE (m)										

SCALE: 1cm = _____ meters

NUMBER of SQUARES: FULL _____ HALF or LARGER _____

TOTAL SQUARES _____

FIELD AREA _____ SQUARE METERS

DRAWN BY	N°.	DATE
		/ /

ANNEX 5