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TRANSITIONAL GOVERNMENT  
OF ETHIOPIA

CENTRAL STATISTICAL AUTHORITY

**AGRICULTURAL SAMPLE SURVEY  
1991/92 ( 1984 E. C. )  
RESULTS OF  
AREA AND PRODUCTION  
FOR PRIVATE HOLDINGS  
( MAIN SEASON )**

ADDIS ABABA , AUGUST 1992

104

STATISTICAL BULLETIN

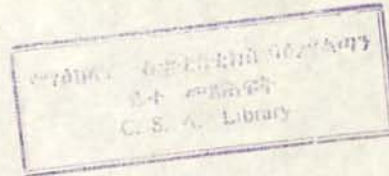
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## I. INTRODUCTION

Ethiopia's economy is based on agriculture. The majority of the population of the country is predominantly engaged in agriculture. Therefore, agriculture is the livelihood of the majority of the population in Ethiopia. To improve the efficiency of agricultural production and the distribution of food and other agricultural products, it is essential to have reliable, comprehensive and timely statistical data in this sector.

In view of the above facts the Integrated System of Food and Agricultural Statistics was initiated in 1980 as the first phase of the Rural Integrated Household Survey Programme which is the major part of National Household Survey Programme. As the first round of the programme, the agricultural sample survey was conducted in 1980/81 (1973 E.C.). Since then consecutive sample surveys were carried out every year.

This report deals with estimates of area, production and yield of major crops for private holdings for the main season at national as well as regional levels from the survey results conducted during 1991/92 (1984 E.C.).

## II. OBJECTIVE

The objective of the Agricultural Sample Survey which has been conducted annually since 1980/81 (1973 E.C.) is to collect basic quantitative information about the nation's agriculture needed in development planning, socio-economic policy formulation and establishment of national priorities. It aimed at obtaining reliable estimates for the regions in the country and for the country as a whole.

## III. COVERAGE

The 1991/92(1984 E.C.) Agricultural Sample Survey was launched in 25 of the newly formed administrative regions and one autonomous region excluding Eritrea, Tigray, Aseb and Ogaden Autonomous Regions. Information was collected on area under major crops, production of major crops, general agricultural practices, number of livestock and poultry and other related agricultural variables. During the survey, out of the 867 Sampled Farmers' Associations, 643 were covered.

#### IV. SAMPLE DESIGN AND METHOD OF DATA COLLECTIONS

For the 1991/92 (1984 E.C.) Agricultural Sample Survey, 867 Farmers' Associations were selected from the 25 Administrative Regions and one Autonomous Region in the country with probability proportional to size without replacement. From each selected Farmers' Association, a systematic sample of 25 agricultural households were selected.

All agricultural holders belonging to the selected agricultural households were enumerated and the required data were collected from these holders. With respect to the information on area, all cropped fields under temporary and permanent crops belonging to the sampled holders were physically measured and for production, all fields under temporary crops for each selected holder were classified by type of crop and from each class a field under crop was randomly selected for crop cutting.

#### V. SUMMARY OF RESULTS

The estimates of area, production and yield for private holdings during main season are presented in this publication.

As shown in Table 1, in 1991/92 (1984 E.C.) the total area under major crops for private holdings is about 4.7 million hectares and total production accounts for about 53 million quintals.

The results at national level indicate that cereal crops have the major share both in area and production which is about 4 million hectares or 81 percent and about 46 million quintals or 87 percent, respectively. Moreover, pulses have a share of about 700 thousand hectares in area and about 6 million quintals in production. The remaining 208 thousand hectares in area and 870 thousand quintals in production is the share of other crops mainly oil seeds.

The 1991/92 (1984 E.C.) survey result also indicates that there is a decrease of area under major crops by 1.5 percent and a decrease of 19.9 percent in production when compared to the 1990/91 (1983 E.C.) estimates. Details are given in Table 1.

Note: Results of Dire Dawa Autonomous Region were estimated by applying the percentage change of area and production of 1990/91 (1983 E.C.) and 1991/92 (1984 E.C.) of East Hararge, to the results of Dire Dawa Autonomous Region estimated in 1990/91 (1983 E.C.).

TABLE 1: PERCENTAGE CHANGE OF AREA AND PRODUCTION AT  
 NATIONAL \* LEVEL, 1990/91 AND 1991/92  
 (1983 AND 1984 E.C.) MAIN SEASON

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CROP	AREA ('000 HA)			PRODUCTION ('000 QT)		
	1990/91	1991/92	% CHANGE	1990/91	1991/92	% CHANGE
<b>CEREALS</b>	3898.63	3835.16	- 1.63	53201.71	45671.36	-14.15
Teff	1262.66	1351.15	+ 7.01	18044.65	11750.18	-34.88
Barley	550.66	593.40	+ 7.76	7113.79	7043.39	- 0.99
Wheat	487.40	538.46	+10.48	6995.37	7446.64	+ 6.45
Maize	908.67	751.11	-17.34	11589.34	12344.76	+ 6.52
Sorghum	489.05	421.27	-13.86	6706.15	5479.04	-18.30
Millet	163.41	151.46	- 7.31	2209.63	1278.51	-42.14
Oats	36.78	28.31	-23.03	542.78	328.84	-39.42
<b>PULSES</b>	674.10	700.61	+ 3.93	9586.30	6241.84	-34.89
Horse Beans	243.31	295.42	+21.42	3665.58	3250.24	-11.33
Field Peas	116.97	138.93	+18.77	1719.45	1042.45	-39.37
Haricot Beans	91.60	37.85	-58.68	1271.34	387.52	-69.52
Chick Peas	116.69	109.99	- 5.74	1501.59	761.70	-49.27
Lentils	40.65	42.81	+ 5.31	623.79	256.46	-58.39
Vetch	64.88	75.61	+16.54	804.55	543.47	-32.45
<b>OTHERS</b>	243.14	208.15	-14.39	3133.22	870.03	-72.23
Neug	158.79	139.13	-12.38	2036.25	512.04	-74.85
Linseed	62.69	58.11	- 7.31	840.41	270.65	-67.80
Fenugreek	9.98	6.01	-39.78	116.89	34.10	-70.83
Rapeseed	11.68	4.89	-58/13	139.67	53.24	-61.88
<b>ALL CROPS</b>	4815.87	4743.92	- 1.49	65921.23	52783.23	-19.93

\* EXCLUDING ERITREA, TIGRAY, ASAB AND OGADEN AUTHONOMOUS REGIONS

TABLE 2: ESTIMATE OF AREA AND PRODUCTION OF MAJOR CROPS  
FOR PRIVATE HOLDINGS IN ETHIOPIA\*  
IN 1991/92 (1984 E.C.)

CROP	TOTAL AREA ( '000 HA)	%	TOTAL PRODUCTION ( '000 QT)	%	YIELD (QT/HA)
<b>CEREALS</b>	3835.16	80.84	45671.36	86.52	11.91
Teff	1351.15	28.48	11750.18	22.26	8.70
Barley	593.40	12.51	7043.39	13.34	11.87
Wheat	538.46	11.35	7446.64	14.11	13.83
MAIZE	751.11	15.83	12344.76	23.39	16.44
Sorghum	421.27	8.88	5479.04	10.38	13.01
Millet	151.46	3.19	1278.51	2.42	8.44
Oats	28.31	0.60	328.84	0.62	11.62
<b>PULSES</b>	700.61	14.77	6241.84	11.83	8.91
Horse Beans	295.42	6.23	3250.24	6.17	11.00
Field Peas	138.93	2.93	1042.45	1.97	7.50
Haricot Beans	37.85	0.80	387.52	0.73	10.24
Chick Peas	109.99	2.32	761.70	1.44	6.93
Lentils	42.81	0.90	256.46	0.49	5.99
Vetch	75.61	1.59	543.47	1.03	7.19
<b>OTHERS</b>	208.15	4.39	870.03	1.65	4.18
Neug	139.13	2.93	512.04	0.97	3.68
Linseed	58.11	1.22	270.65	0.51	4.66
Fenugreek	6.01	0.13	34.10	0.06	5.67
Rapeseed	4.89	0.10	53.24	0.10	10.89
<b>ALL CROPS</b>	4743.92	100.00	52783.23	100.00	11.13

\* EXCLUDING ERITREA, TIGRAY, ASAB AND OGADEN AUTONOMOUS REGIONS

TABLE 3: ESTIMATES OF AREA AND PRODUCTION OF MAJOR CROPS  
FOR PRIVATE HOLDINGS IN ARSI  
IN 1991/92 (1984 E.C.)

CROP	TOTAL AREA ('000 HA)	%	TOTAL PRODUCTION ('000 QT)	%	YIELD (QT/HA)
<b>CEREALS</b>	295.23	80.81	4711.59	89.41	15.96
Teff	41.36	11.32	370.21	7.03	8.95
Barley	112.08	30.68	2022.15	38.37	18.04
Wheat	97.24	26.61	1728.27	32.80	17.77
Maize	33.90	9.28	391.65	7.43	11.55
Sorghum	5.35	1.46	114.00	2.16	21.31
Oats	5.30	1.45	85.31	1.62	16.11
<b>PULSES</b>	51.26	14.03	447.81	8.50	8.74
Horse Beans	27.24	7.45	300.71	5.71	11.04
Field Peas	16.18	4.43	120.60	2.29	7.45
Haricot Beans	4.51	1.23	18.34	0.35	4.07
Chick Peas	0.16	0.04	2.81	0.05	17.56
Lentils	2.33	0.64	4.88	0.09	2.09
Vetch	0.84	0.23	0.47	0.01	0.89
<b>OTHERS</b>	18.87	5.16	110.15	2.09	5.84
Neug	0.80	0.22	1.99	0.04	2.50
Linseed	17.41	4.77	103.64	1.97	5.95
Fenugreek	0.22	0.06	0.38	0.01	1.74
Rapeseed	0.44	0.12	4.14	0.08	9.41
<b>ALL CROPS</b>	365.36	100.00	5269.55	100.00	14.42

TABLE 4: ESTIMATES OF AREA AND PRODUCTION OF MAJOR CROPS  
FOR PRIVATE HOLDINGS IN BALE  
IN 1991/92 (1984 E.C.)

CROP	TOTAL AREA ( <sup>'</sup> 000 HA)	%	TOTAL PRODUCTION ( <sup>'</sup> 000 QT)	%	YIELD (QT/HA)
CEREALS	71.88	83.39	1023.06	88.69	14.23
Teff	3.22	3.74	42.66	3.70	13.23
Barley	30.52	35.41	433.36	37.57	14.20
Wheat	27.60	32.02	420.00	36.41	15.22
Maize	2.83	3.28	55.87	4.84	19.77
Sorghum	0.25	0.29	0.94	0.08	3.73
Oats	7.46	8.65	70.23	6.09	9.41
PULSES	10.45	12.12	95.54	8.28	9.14
Horse Beans	3.99	4.63	56.97	4.94	14.28
Field Peas	4.73	5.49	35.78	3.10	7.56
Haricot Beans	0.14	0.16	0.00	0.00	0.00
Chick Peas	0.64	0.74	1.18	0.10	1.85
Lentils	0.81	0.94	1.61	0.14	1.99
Vetch	0.14	0.16	0.00	0.00	0.00
OTHERS	3.87	4.49	34.93	3.03	9.03
Neug	0.05	0.06	0.10	0.01	2.00
Linseed	3.77	4.37	34.74	3.01	9.22
Fenugreek	0.05	0.06	0.09	0.01	1.80
ALL CROPS	86.20	100.00	1153.53	100.00	13.38

TABLE 5: ESTIMATES OF AREA AND PRODUCTION OF MAJOR CROPS  
FOR PRIVATE HOLDINGS IN NORTH OMO  
IN 1991/92 (1984 E.C.)

CROP	TOTAL AREA ( '000 HA)	%	TOTAL PRODUCTION ( '000 QT)	%	YIELD (QT/HA)
CEREALS	110.02	72.82	896.43	76.11	8.15
Teff	43.95	29.09	297.71	25.28	6.77
Barley	21.72	14.37	239.77	20.36	11.04
Wheat	6.51	4.31	57.30	4.87	8.81
Maize	6.26	4.14	15.67	1.33	2.50
Sorghum	29.16	19.30	274.09	23.27	9.40
Millet	0.96	0.64	0.00	0.00	0.00
Oats	1.46	0.97	11.89	1.01	8.15
PULSES	40.90	27.07	280.42	23.81	6.86
Horse Beans	7.90	5.23	82.68	7.02	10.47
Field Peas	24.96	16.52	153.75	13.05	6.16
Haricot Beans	5.37	3.55	32.90	2.79	6.13
Chick Peas	1.93	1.28	8.31	0.71	4.30
Lentils	0.70	0.47	2.65	0.23	3.77
Vetch	0.04	0.03	0.13	0.01	3.25
OTHERS	0.17	0.11	0.93	0.08	5.47
Linseed	0.17	0.11	0.93	0.08	5.47
Fenugreek	0.00	0.00	0.00	0.00	0.00
ALL CROPS	151.09	100.00	1177.78	100.00	7.80

TABLE 6: ESTIMATES OF AREA AND PRODUCTION OF MAJOR CROPS  
FOR PRIVATE HOLDINGS IN SOUTH OMO  
IN 1991/92 (1984 E.C.)

CROP	TOTAL AREA ( '000 HA)	%	TOTAL PRODUCTION ( '000 QT)	%	YIELD (QT/HA)
<b>CEREALS</b>	8.84	85.99	109.70	86.10	12.40
Teff	2.11	20.56	17.83	13.99	8.44
Barley	0.89	8.63	12.15	9.53	13.69
Wheat	0.30	2.96	5.06	3.97	16.87
Maize	2.91	28.35	34.83	27.34	11.95
Sorghum	2.60	25.28	39.67	31.14	15.27
Millet	0.03	0.27	0.16	0.13	5.33
<b>PULSES</b>	1.44	14.01	17.71	13.90	12.30
Horse Beans	0.61	5.93	9.13	7.17	14.97
Field Peas	0.81	7.86	8.49	6.66	10.51
Haricot Beans	0.02	0.20	0.09	0.07	4.50
<b>ALL CROPS</b>	10.28	100.00	127.41	100.00	12.40

TABLE 7: ESTIMATES OF AREA AND PRODUCTION OF MAJOR CROPS  
FOR PRIVATE HOLDINGS IN EAST GOJAM  
IN 1991/92 (1984 E.C.)

CROP	TOTAL AREA ( '000 HA)	%	TOTAL PRODUCTION ( '000 QT)	%	YIELD (QT/HA)
CEREALS	330.16	77.08	3623.78	83.81	10.98
Teff	174.97	40.85	1798.33	41.59	10.28
Barley	53.39	12.46	492.91	11.40	9.23
Wheat	64.87	15.15	761.43	17.61	11.74
Maize	24.36	5.69	358.10	8.28	14.70
Sorghum	12.11	2.83	210.19	4.86	17.35
Millet	0.40	0.09	2.41	0.06	6.02
Oats	0.06	0.01	0.41	0.01	6.83
PULSES	67.36	15.73	540.77	12.51	8.03
Horse Beans	22.45	5.24	240.57	5.56	10.71
Field Peas	10.54	2.46	82.90	1.92	7.87
Chick Peas	14.54	3.40	88.26	2.04	6.07
Lentils	3.67	0.86	15.96	0.37	4.35
Vetch	16.16	3.77	113.08	2.62	7.00
OTHERS	30.82	7.19	159.45	3.68	5.17
Neug	20.26	4.73	96.96	2.24	4.79
Linseed	7.57	1.77	35.94	0.83	4.75
Fenugreek	1.14	0.27	5.93	0.14	5.22
Rapeseed	1.85	0.43	20.62	0.48	11.18
ALL CROPS	428.34	100.00	4324.00	100.00	10.09

TABLE 8: ESTIMATES OF AREA AND PRODUCTION OF MAJOR CROPS  
FOR PRIVATE HOLDINGS IN WEST GOJAM  
IN 1991/92 (1984 E.C.)

CROP	TOTAL AREA ( '000 HA)	%	TOTAL PRODUCTION ( '000 QT)	%	YIELD (QT/HA)
CEREALS	400.85	82.51	3931.58	89.89	9.81
Teff	170.47	35.09	1308.16	29.91	7.67
Barley	71.26	14.67	535.41	12.24	7.51
Wheat	10.63	2.19	89.34	2.04	8.40
Maize	77.45	15.94	1277.10	29.20	16.49
Sorghum	0.62	0.13	4.36	0.10	7.04
Millet	70.35	14.48	717.15	16.40	10.19
Oats	0.07	0.01	0.06	0.00	0.87
PULSES	45.56	9.38	317.78	7.27	6.97
Horse Beans	18.42	3.79	157.94	3.61	8.58
Field Peas	9.14	1.88	28.42	0.65	3.11
Haricot Beans	0.01	0.00	0.00	0.00	0.00
Chick Peas	8.16	1.68	50.72	1.15	6.22
Lentils	0.29	0.06	0.00	0.00	0.00
Vetch	9.54	1.96	80.70	1.85	8.46
OTHERS	39.42	8.11	124.47	2.84	3.16
Neug	29.06	5.98	93.97	2.15	3.23
Linseed	9.33	1.92	24.78	0.57	2.66
Fenugreek	0.25	0.05	0.44	0.01	1.77
Rapeseed	0.78	0.16	5.28	0.12	6.75
ALL CROPS	485.83	100.00	4373.83	100.00	9.00

TABLE 9: ESTIMATES OF AREA AND PRODUCTION OF MAJOR CROPS  
FOR PRIVATE HOLDINGS IN METEKEL  
IN 1991/92 (1984 E.C.)

CROP	TOTAL AREA ( '000 HA)	%	TOTAL PRODUCTION ( '000 QT)	%	YIELD (QT/HA)
CEREALS	53.22	88.67	316.85	89.30	5.95
Teff	16.19	26.98	86.88	24.49	5.37
Barley	0.16	0.26	0.93	0.26	5.81
Wheat	0.50	0.83	2.88	0.81	5.76
Maize	9.86	16.43	89.42	25.20	9.07
Sorghum	10.64	17.73	61.22	17.25	5.75
Millet	15.87	26.44	75.52	21.29	4.76
PULSES	1.49	2.48	8.84	2.49	5.93
Horse Beans	0.18	0.30	0.89	0.25	4.94
Haricot Beans	0.11	0.18	0.34	0.09	3.09
Chick Peas	1.20	2.00	7.61	2.14	6.34
Lentils	0.00	0.00	0.00	0.00	0.00
OTHERS	5.31	8.85	29.13	8.21	5.49
Neug	4.96	8.26	20.39	5.75	4.11
Linseed	0.01	0.02	0.00	0.00	0.00
Rapeseed	0.34	0.57	8.74	2.46	25.71
ALL CROPS	60.02	100.00	354.82	100.00	5.91

TABLE 10: ESTIMATES OF AREA AND PRODUCTION OF MAJOR CROPS  
FOR PRIVATE HOLDINGS IN NORTH GONDER  
IN 1991/92 (1984 E.C.)

CROP	TOTAL AREA ( '000 HA)	%	TOTAL PRODUCTION ( '000 QT)	%	YIELD (QT/HA)
<b>CEREALS</b>	161.09	76.22	1295.69	80.46	8.04
Teff	52.00	24.60	400.79	24.89	7.71
Barley	24.80	11.73	176.27	10.95	7.11
Wheat	10.65	5.04	80.24	4.98	7.53
Malze	8.16	3.86	63.83	3.96	7.82
Sorghum	52.42	24.80	461.30	28.65	8.80
Millet	11.19	5.29	103.09	6.40	9.21
Oats	1.87	0.89	10.17	0.63	5.43
<b>PULSES</b>	39.89	18.88	277.73	17.25	6.96
Horse Beans	13.46	6.37	109.13	6.78	8.11
Field Peas	7.00	3.31	39.39	2.45	5.62
Chick Peas	16.90	8.00	106.02	6.58	6.27
Lentils	0.03	0.02	0.30	0.02	10.00
Vetch	2.50	1.18	22.89	1.42	9.16
<b>OTHERS</b>	10.36	4.90	36.88	2.29	3.56
Neug	8.28	3.92	30.80	1.91	3.72
Linseed	1.50	0.71	3.25	0.20	2.17
Fenugreek	0.51	0.24	2.49	0.15	4.88
Rapeseed	0.07	0.03	0.34	0.02	4.86
<b>ALL CROPS</b>	211.34	100.00	1610.30	100.00	7.62

TABLE 11: ESTIMATES OF AREA AND PRODUCTION OF MAJOR CROPS  
FOR PRIVATE HOLDINGS IN SOUTH GONDER  
IN 1991/92 (1984 E.C.)

CROP	TOTAL AREA ( '000 HA)	%	TOTAL PRODUCTION ( '000 QT)	%	YIELD (QT/HA)
CEREALS	173.02	70.09	1359.09	76.90	7.86
Teff	71.55	28.99	492.37	27.86	6.88
Barley	36.07	14.61	343.17	19.42	9.51
Wheat	23.66	9.58	245.10	13.87	10.36
Maize	18.10	7.33	107.20	6.07	5.92
Sorghum	6.20	2.51	25.87	1.46	4.18
Millet	17.42	7.06	145.34	8.22	8.34
Oats	0.02	0.01	0.04	0.00	2.00
PULSES	53.27	21.58	337.41	19.09	6.33
Horse Beans	19.32	7.83	153.27	8.67	7.93
Field Peas	2.42	0.98	21.10	1.19	8.72
Chick Peas	11.61	4.70	46.65	2.64	4.02
Lentils	2.93	1.19	20.35	1.15	6.94
Vetch	16.99	6.88	96.04	5.43	5.65
OTHERS	20.55	8.33	70.84	4.01	3.45
Neug	12.47	5.05	43.15	2.44	3.46
Linseed	7.87	3.19	26.03	1.47	3.31
Rapeseed	0.21	0.09	1.66	0.09	7.92
ALL CROPS	246.84	100.00	1767.34	100.00	7.16

TABLE 12: ESTIMATES OF AREA AND PRODUCTION OF MAJOR CROPS  
FOR PRIVATE HOLDINGS IN DIRE DAWA  
IN 1991/92 (1984 E.C.)

CROP	TOTAL AREA ( '000 HA)	%	TOTAL PRODUCTION ( '000 QT)	%	YIELD (QT/HA)
CEREALS	2.74	99.64	29.02	99.79	10.59
Maize	0.26	9.46	1.52	5.23	5.85
Sorghum	2.48	90.18	27.50	94.56	11.09
PULSES	0.01	0.36	0.06	0.21	6.00
Field Peas	0.01	0.36	0.06	0.21	6.00
Haricot Beans	0.00	0.00	0.00	0.00	0.00
Chick Peas	0.00	0.00	0.00	0.00	0.00
ALL CROPS	2.75	100.00	29.08	100.00	10.57

TABLE 13: ESTIMATES OF AREA AND PRODUCTION OF MAJOR CROPS  
FOR PRIVATE HOLDINGS IN EAST HARERGE  
IN 1991/92 (1984 E.C.)

CROP	TOTAL AREA ( '000 HA)	%	TOTAL PRODUCTION ( '000 QT)	%	YIELD (QT/HA)
CEREALS	92.26	86.07	1005.24	88.16	10.90
Teff	0.97	0.90	9.23	0.81	9.52
Barley	3.23	3.01	38.25	3.35	11.84
Wheat	9.42	8.79	181.89	15.95	19.32
Maize	26.96	25.16	262.83	23.05	9.75
Sorghum	51.16	47.73	507.81	44.54	9.93
Oats	0.52	0.49	5.23	0.46	10.06
PULSES	8.20	7.65	114.33	10.03	13.94
Horse Beans	3.22	3.00	63.60	5.58	19.75
Field Peas	1.65	1.54	30.16	2.65	18.28
Haricot Beans	2.81	2.62	20.57	1.80	7.32
Lentils	0.52	0.49	0.00	0.00	0.00
OTHERS	6.73	6.28	20.63	1.81	3.07
Neug	5.02	4.68	9.40	0.82	1.87
Linseed	0.16	0.15	0.68	0.06	4.25
Fenugreek	1.55	1.45	10.55	0.93	6.81
ALL CROPS	107.19	100.00	1140.20	100.00	10.64

TABLE 14: ESTIMATES OF AREA AND PRODUCTION OF MAJOR CROPS  
FOR PRIVATE HOLDINGS IN WEST HARERGE  
IN 1991/92 (1984 E.C.)

CROP	TOTAL AREA ( '000 HA)	%	TOTAL PRODUCTION ( '000 QT)	%	YIELD (QT/HA)
CEREALS	115.25	86.78	1487.35	83.54	12.91
Teff	25.50	19.20	187.93	10.56	7.37
Barley	4.24	3.19	45.89	2.58	10.82
Wheat	2.90	2.19	36.27	2.04	12.51
Maize	21.69	16.33	201.84	11.34	9.31
Sorghum	59.59	44.87	999.19	56.12	16.77
Oats	1.33	1.00	16.23	0.91	12.20
PULSES	17.14	12.91	291.22	16.36	16.99
Horse Beans	3.57	2.69	64.09	3.60	17.95
Field Peas	0.48	0.36	9.32	0.52	19.42
Haricot Beans	8.17	6.15	199.09	11.18	24.37
Chick Peas	1.61	1.21	9.65	0.54	5.99
Lentils	0.74	0.56	9.07	0.51	12.26
Vetch	2.57	1.94	0.00	0.00	0.00
OTHERS	0.42	0.31	1.85	0.10	4.40
Linseed	0.07	0.05	0.19	0.01	2.71
Fenugreek	0.35	0.26	1.66	0.09	4.74
ALL CROPS	132.81	100.00	1780.42	100.00	13.41

TABLE 15: ESTIMATES OF AREA AND PRODUCTION OF MAJOR CROPS  
FOR PRIVATE HOLDINGS IN GAMBELA  
IN 1991/92 (1984 E.C.)

CROP	TOTAL AREA ( '000 HA)	%	TOTAL PRODUCTION ( '000 QT)	%	YIELD (QT/HA)
CEREALS	3.00	94.64	44.09	95.41	14.70
Teff	0.24	7.57	2.31	5.00	9.63
Barley	0.26	8.20	1.55	3.35	5.96
Wheat	0.08	2.52	1.16	2.51	14.50
Maize	1.68	53.00	25.39	54.94	15.11
Sorghum	0.74	23.34	13.68	29.60	18.49
PULSES	0.17	5.36	2.12	4.59	12.47
Horse Beans	0.16	5.05	2.05	4.44	12.81
Haricot Beans	0.01	0.32	0.07	0.15	7.00
ALL CROPS	3.17	100.00	46.21	100.00	14.58

TABLE 16: ESTIMATES OF AREA AND PRODUCTION OF MAJOR CROPS  
FOR PRIVATE HOLDINGS IN ILUBABOR  
IN 1991/92 (1984 E.C.)

CROP	TOTAL AREA ( '000 HA)	%	TOTAL PRODUCTION ( '000 QT)	%	YIELD (QT/HA)
<b>CEREALS</b>	305.12	89.59	3779.00	92.23	12.39
Teff	116.05	34.08	1107.56	27.03	9.54
Barley	17.08	5.01	181.98	4.44	10.66
Wheat	11.55	3.39	140.07	3.42	12.12
Maize	108.83	31.96	1589.30	38.79	14.60
Sorghum	45.06	13.23	688.08	16.79	15.27
Millet	5.99	1.76	65.85	1.61	11.00
Oats	0.56	0.16	6.16	0.15	11.07
<b>PULSES</b>	31.34	9.21	302.61	7.38	9.66
Horse Beans	16.56	4.86	201.01	4.91	12.14
Field Peas	11.20	3.29	80.82	1.97	7.22
Haricot Beans	1.46	0.43	8.06	0.20	5.54
Chick Peas	1.59	0.47	10.76	0.26	6.75
Lentils	0.47	0.14	1.71	0.04	3.63
Vetch	0.06	0.02	0.25	0.01	4.17
<b>OTHERS</b>	4.10	1.20	16.09	0.39	3.93
Neug	2.56	0.75	11.47	0.28	4.49
Linseed	1.52	0.45	4.60	0.11	3.04
Fenugreek	0.02	0.01	0.02	0.00	1.00
<b>ALL CROPS</b>	340.56	100.00	4097.70	100.00	12.03

TABLE 17: ESTIMATES OF AREA AND PRODUCTION OF MAJOR CROPS  
FOR PRIVATE HOLDINGS IN KEFA  
IN 1991/92 (1984 E.C.)

CROP	TOTAL AREA ( '000 HA)	%	TOTAL PRODUCTION ( '000 QT)	%	YIELD (Qt/HA)
CEREALS	73.06	83.64	1282.46	91.47	17.55
Teff	11.38	13.02	90.79	6.48	7.98
Barley	5.61	6.42	61.52	4.39	10.98
Wheat	1.65	1.89	15.33	1.09	9.28
Maize	31.86	36.47	855.51	61.02	26.85
Sorghum	12.99	14.87	201.93	14.40	15.54
Millet	9.57	10.96	57.38	4.09	5.99
PULSES	13.88	15.89	119.14	8.50	8.58
Horse Beans	7.29	8.35	71.61	5.11	9.82
Field Peas	4.26	4.88	35.28	2.52	8.27
Haricot Beans	2.32	2.65	12.25	0.87	5.29
Vetch	0.01	0.02	0.00	0.00	0.00
OTHERS	0.41	0.47	0.47	0.03	1.15
Neug	0.37	0.42	0.45	0.03	1.23
Linseed	0.04	0.05	0.02	0.00	0.52
ALL CROPS	87.35	100.00	1402.07	100.00	16.05

TABLE 18: ESTIMATES OF AREA AND PRODUCTION OF MAJOR CROPS  
FOR PRIVATE HOLDINGS IN ADDIS ABABA  
IN 1991/92 (1984 E.C.)

CROP	TOTAL AREA ( '000 HA)	%	TOTAL PRODUCTION ( '000 QT)	%	YIELD (QT/HA)
<b>CEREALS</b>	78.44	73.39	802.98	75.04	10.24
Teff	35.59	33.30	326.77	30.54	9.18
Barley	19.95	18.66	203.83	19.05	10.22
Wheat	21.95	20.54	261.43	24.43	11.91
Maize	0.27	0.26	3.46	0.32	12.81
Sorghum	0.35	0.32	3.69	0.34	10.54
Millet	0.03	0.03	0.00	0.00	0.00
Oats	0.30	0.28	3.80	0.36	12.67
<b>PULSES</b>	27.20	25.45	260.71	24.36	9.58
Horse Beans	9.13	8.54	89.71	8.38	9.83
Field Peas	1.53	1.43	15.14	1.42	9.90
Chick Peas	7.78	7.28	88.18	8.24	11.33
Lentils	5.75	5.38	37.94	3.55	6.60
Vetch	3.01	2.81	29.74	2.78	9.89
<b>OTHERS</b>	1.24	1.16	6.42	0.60	5.18
Neug	0.34	0.32	0.74	0.07	2.18
Linseed	0.59	0.55	3.36	0.31	5.69
Fenugreek	0.27	0.25	2.01	0.19	7.44
Rapeseed	0.04	0.04	0.31	0.03	7.75
<b>ALL CROPS</b>	<b>106.88</b>	<b>100.00</b>	<b>1070.11</b>	<b>100.00</b>	<b>10.01</b>

TABLE 19: ESTIMATES OF AREA AND PRODUCTION OF MAJOR CROPS  
FOR PRIVATE HOLDINGS IN EAST SHEWA  
IN 1991/92 (1984 E.C.)

CROP	TOTAL AREA ( '000 HA)	%	TOTAL PRODUCTION ( '000 QT)	%	YIELD (QT/HA)
CEREALS	125.36	83.53	1211.52	84.55	9.66
Teff	78.60	52.38	736.01	51.36	9.36
Barley	3.82	2.55	55.05	3.84	14.41
Wheat	23.02	15.34	234.13	16.34	10.17
Maize	18.81	12.53	173.39	12.10	9.22
Sorghum	1.08	0.72	12.59	0.88	11.66
Oats	0.03	0.02	0.35	0.02	11.67
PULSES	24.55	16.36	220.77	15.41	9.99
Horse Beans	4.47	2.98	53.49	3.73	11.97
Field Peas	6.06	4.04	58.46	4.08	9.65
Haricot Beans	3.34	2.22	16.24	1.13	4.86
Chick Peas	6.72	4.48	58.00	4.05	8.63
Lentils	1.31	0.87	7.69	0.54	5.87
Vetch	2.65	1.77	26.89	1.88	10.15
OTHERS	0.16	0.11	0.64	0.04	4.00
Linseed	0.03	0.02	0.08	0.01	2.67
Fenugreek	0.09	0.06	0.37	0.03	4.11
Rapeseed	0.04	0.03	0.19	0.01	4.75
ALL CROPS	150.07	100.00	1432.93	100.00	9.55

TABLE 20: ESTIMATES OF AREA AND PRODUCTION OF MAJOR CROPS  
FOR PRIVATE HOLDINGS IN NORTH SHEWA  
IN 1991/92 (1984 E.C.)

CROP	TOTAL AREA ( '000 HA)	%	TOTAL PRODUCTION ( '000 AT)	%	YIELD (QT/HA)
CEREALS	170.41	65.15	1879.24	70.09	11.03
Teff	51.98	19.87	528.31	19.71	10.16
Barley	39.63	15.15	414.32	15.45	10.45
Wheat	68.94	26.36	784.71	29.27	11.38
Maize	2.39	0.91	46.08	1.72	19.29
Sorghum	6.93	2.65	100.98	3.77	14.57
Oats	0.54	0.21	4.84	0.18	8.96
PULSES	79.47	30.38	749.12	27.94	9.43
Horse Beans	49.36	18.87	495.82	18.49	10.04
Field Peas	8.98	3.43	78.81	2.94	8.77
Chick Peas	6.98	2.67	85.17	3.18	12.20
Lentils	10.96	4.19	89.19	3.33	8.14
Vetch	3.19	1.22	0.13	0.00	0.04
OTHERS	11.70	4.47	52.74	1.97	4.51
Neug	8.72	3.33	39.21	1.46	4.50
Linseed	2.46	0.94	8.30	0.31	3.38
Fenugreek	0.52	0.20	5.23	0.20	10.06
ALL CROPS	261.58	100.00	2681.10	100.00	10.25

TABEL 21: ESTIMATES OF AREA AND PRODUCTION OF MAJOR CROPS  
FOR PRIVATE HOLDINGS IN SOUTH SHEWA  
IN 1991/92 (1984 E.C.)

CROP	TOTAL AREA ( '000 HA)	%	TOTAL PRODUCTION ( '000 QT)	%	YIELD (QT/HA)
CEREALS	333.62	89.65	5241.21	92.40	15.71
Teff	95.30	25.61	782.20	13.79	8.21
Barley	13.89	3.73	206.80	3.65	14.89
Wheat	54.73	14.71	968.20	17.07	17.69
Maize	152.35	40.94	3059.73	53.94	20.08
Sorghum	13.91	3.74	180.76	3.19	13.00
Millet	0.75	0.20	9.24	0.16	12.32
Oats	2.69	0.72	34.28	0.60	12.76
PULSES	38.26	10.28	429.15	7.57	11.22
Horse Beans	21.81	5.86	319.43	5.63	14.65
Field Peas	6.81	1.83	57.43	1.01	8.44
Haricot Beans	2.65	0.71	15.22	0.27	5.74
Chick Peas	4.05	1.09	17.79	0.31	4.40
Lentils	0.79	0.21	6.42	0.11	8.13
Vetch	2.15	0.58	12.86	0.23	5.98
OTHERS	0.26	0.07	1.61	0.03	6.19
Linseed	0.18	0.05	1.10	0.02	6.09
Fenugreek	0.07	0.02	0.51	0.01	7.29
Rapeseed	0.01	0.00	0.00	0.00	0.00
ALL CROPS	372.14	100.00	5671.97	100.00	15.24

TABLE 22: ESTIMATES OF AREA AND PRODUCTION OF MAJOR CROPS  
FOR PRIVATE HOLDINGS IN WEST SHEWA  
IN 1991/92 (1984 E.C.)

CROP	TOTAL AREA ( '000 HA)	%	TOTAL PRODUCTION ( '000 QT)	%	YIELD (QT/HA)
<b>CEREALS</b>	330.68	77.57	3564.96	83.93	10.78
Teff	188.89	44.31	1745.40	41.09	9.24
Barley	51.79	12.15	607.35	14.30	11.73
Wheat	31.72	7.44	370.69	8.73	11.68
Maize	36.61	8.59	486.63	11.46	13.29
Sorghum	20.36	4.78	345.82	8.14	16.98
Millet	0.09	0.02	0.26	0.01	2.87
Oats	1.22	0.29	8.81	0.21	7.24
<b>PULSES</b>	61.68	14.47	545.22	12.84	8.84
Horse Beans	18.13	4.25	201.68	4.75	11.12
Field Peas	1.78	0.42	15.64	0.37	8.78
Haricot Beans	0.01	0.00	0.00	0.00	0.00
Chick Peas	23.76	5.57	162.73	3.83	6.85
Lentils	3.35	0.79	16.45	0.39	4.91
Vetch	14.65	3.44	148.72	3.50	10.15
<b>OTHERS</b>	33.95	7.96	137.34	3.23	4.05
Neug	27.56	6.46	100.48	2.37	3.65
Linseed	4.61	1.08	20.97	0.49	4.55
Fenugreek	0.79	0.19	3.93	0.09	4.96
Rapeseed	0.99	0.23	11.96	0.28	12.08
<b>ALL CROPS</b>	426.31	100.00	4247.52	100.00	9.96

TABLE 23: ESTIMATES OF AREA AND PRODUCTION OF MAJOR CROPS  
FOR PRIVATE HOLDINGS IN BORENA  
IN 1991/92 (1984 E.C.)

CROP	TOTAL AREA ( '000 HA)	%	TOTAL PRODUCTION ( '000 QT)	%	YIELD (QT/HA)
CEREALS	18.51	81.98	293.15	83.59	15.84
Teff	0.39	1.73	0.00	0.00	0.00
Barley	3.95	17.49	44.05	12.56	11.15
Wheat	0.87	3.85	7.52	2.14	8.64
Maize	13.21	58.50	241.58	68.88	18.29
Sorghum	0.09	0.40	0.00	0.00	0.00
PULSES	4.07	18.02	57.56	16.41	14.14
Horse Beans	1.36	6.02	15.18	4.33	11.16
Field Peas	0.65	2.88	4.70	1.34	7.23
Haricot Beans	2.04	9.03	37.58	10.72	18.42
Chick Peas	0.02	0.09	0.10	0.03	5.00
ALL CROPS	22.58	100.00	350.71	100.00	15.53

TABLE 24: ESTIMATES OF AREA AND PRODUCTION OF MAJOR CROPS  
FOR PRIVATE HOLDINGS IN SIDAMO  
IN 1991/92 (1984 E.C.)

CROP	TOTAL AREA ( '000 HA)	%	TOTAL PRODUCTION ( '000 QT)	%	YIELD (QT/HA)
<b>CEREALS</b>	72.33	91.50	1552.81	95.79	21.47
Teff	9.64	12.19	70.10	4.32	7.27
Barley	11.77	14.89	165.12	10.19	14.03
Wheat	2.82	3.57	25.10	1.55	8.91
Maize	45.73	57.85	1272.88	78.52	27.84
Sorghum	2.13	2.69	16.44	1.01	7.72
Oats	0.24	0.31	3.17	0.20	13.21
<b>PULSES</b>	6.57	8.31	68.27	4.21	10.39
Horse Beans	2.41	3.05	21.26	1.93	12.97
Field Peas	1.90	2.41	16.32	1.62	13.85
Haricot Beans	2.26	2.85	10.69	0.66	4.74
<b>OTHERS</b>	0.15	0.19	0.01	0.00	0.07
Linseed	0.01	0.01	0.01	0.00	1.00
Fenugreek	0.02	0.03	0.00	0.00	0.00
Rapeseed	0.12	0.15	0.00	0.00	0.00
<b>ALL CROPS</b>	79.05	100.00	1621.09	100.00	20.51

TABLE 25: ESTIMATES OF AREA AND PRODUCTION OF MAJOR CROPS  
FOR PRIVATE HOLDINGS IN ASOSA  
IN 1991/92 (1984 E.C.)

CROP	TOTAL AREA ('000 HA)	%	TOTAL PRODUCTION ('000 QT)	%	YIELD (QT/HA)
<b>CEREALS</b>	9.63	90.68	88.65	96.93	9.21
Teff	1.47	13.84	6.28	6.87	4.27
Barley	0.06	0.56	0.36	0.39	6.00
Wheat	0.01	0.09	0.13	0.14	13.00
Maize	3.19	30.04	39.10	42.75	12.26
Sorghum	2.47	23.26	25.20	27.55	10.20
Millet	2.43	22.88	17.58	19.23	7.23
<b>PULSES</b>	0.27	2.54	1.41	1.54	5.22
Horse Beans	0.14	1.23	1.00	1.09	7.14
Haricot Beans	0.09	0.85	0.38	0.42	4.22
Chick Peas	0.03	0.28	0.01	0.01	0.33
Vetch	0.01	0.09	0.02	0.02	2.00
<b>OTHERS</b>	0.72	6.78	1.40	1.53	1.94
Neug	0.72	6.78	1.40	1.53	1.94
<b>ALL CROPS</b>	10.62	100.00	91.46	100.00	8.61

TABLE 26: ESTIMATES OF AREA AND PRODUCTION OF MAJOR CROPS  
FOR PRIVATE HOLDINGS IN WELEGA  
IN 1991/92 (1984 E.C.)

CROP	TOTAL AREA ( '000 HA)	%	TOTAL PRODUCTION ( '000 QT)	%	YIELD (QT/HA)
<b>CEREALS</b>	227.19	86.76	2435.59	93.05	10.72
Teff	83.72	31.97	571.95	21.85	6.83
Barley	12.68	4.84	106.93	4.09	8.43
Wheat	2.57	0.98	26.55	1.01	10.34
Maize	81.97	31.30	1322.79	50.54	16.14
Sorghum	29.80	11.38	322.43	12.32	10.82
Miller	16.36	6.25	84.35	3.22	5.15
Oats	0.09	0.03	0.59	0.02	6.85
<b>PULSES</b>	17.03	6.50	122.05	4.66	7.17
Horse Beans	9.26	3.53	83.33	3.18	9.00
Field Peas	4.36	1.67	20.04	0.77	4.60
Haricot Beans	2.30	0.88	12.89	0.49	5.60
Chick Peas	0.99	0.38	5.56	0.22	5.73
Lentils	0.04	0.02	0.05	0.00	1.31
Vetch	0.08	0.03	0.09	0.00	1.16
<b>OTHERS</b>	17.65	6.74	60.01	2.29	3.40
Neug	17.37	6.63	59.18	2.26	3.41
Linseed	0.18	0.07	0.50	0.02	2.82
Fenugreek	0.10	0.04	0.33	0.01	3.40
<b>ALL CROPS</b>	261.87	100.00	2617.65	100.00	10.00

TABLE 27: ESTIMATES OF AREA AND PRODUCTION OF MAJOR CROPS  
FOR PRIVATE HOLDINGS IN NORTH WELLS  
IN 1991/92 (1984 E.C.)

CROP	TOTAL AREA ( '000 HA)	%	TOTAL PRODUCTION ( '000 QT)	%	YIELD (QT/HA)
<b>CEREALS</b>	80.37	83.47	887.64	90.19	11.04
Teff	22.25	23.11	191.43	19.45	8.60
Barley	23.68	24.59	265.92	27.02	11.23
Wheat	15.67	16.27	174.02	17.68	11.11
Maize	3.72	3.86	54.07	5.49	14.53
Sorghum	14.27	14.82	191.28	19.44	13.40
Millet	0.02	0.02	0.18	0.02	9.00
Oats	0.76	0.79	10.74	1.09	14.13
<b>PULSES</b>	15.70	16.30	96.26	9.78	6.13
Horse Beans	6.56	6.81	45.81	4.65	6.98
Field Peas	3.64	3.78	16.68	1.69	4.58
Chick Peas	1.07	1.11	9.74	0.99	9.12
Lentils	3.82	3.97	16.22	1.65	4.24
Vetch	0.61	0.63	7.81	0.79	12.80
<b>OTHERS</b>	0.22	0.23	0.28	0.03	1.27
Linseed	0.21	0.22	0.24	0.02	1.16
Fenugreek	0.01	0.01	0.04	0.00	4.00
<b>ALL CROPS</b>	96.29	100.00	984.18	100.00	10.22

ESTIMATES OF AREA AND PRODUCTION OF MAJOR CROPS

TABLE 28: ESTIMATES OF AREA AND PRODUCTION OF MAJOR CROPS  
FOR PRIVATE HOLDINGS IN SOUTH WELO  
IN 1991/92 (1984 E.C.)

CROP	TOTAL AREA ('000 HA)	%	TOTAL PRODUCTION ('000 QT)	%	YIELD (QT/HA)
<b>CEREALS</b>	192.88	81.25	2818.68	83.88	14.61
Teff	53.36	22.48	578.97	17.23	10.85
Barley	30.87	13.00	388.35	11.56	12.58
Wheat	48.60	20.47	829.82	24.70	17.07
Maize	17.75	7.48	314.99	9.37	17.75
Sorghum	38.51	16.22	650.02	19.34	16.88
Oats	3.79	1.60	56.53	1.68	14.91
<b>PULSES</b>	43.45	18.30	537.83	16.01	12.38
Horse Beans	28.42	11.97	399.88	11.90	14.07
Field Peas	9.84	4.14	103.16	3.07	10.49
Haricot Beans	0.23	0.10	2.81	0.08	12.22
Chick Peas	0.25	0.11	2.36	0.07	9.44
Lentils	4.30	1.81	25.97	0.77	6.04
Vetch	0.41	0.17	3.65	0.11	8.90
<b>OTHERS</b>	1.07	0.45	3.76	0.11	3.55
Neug	0.60	0.25	2.35	0.07	3.92
Linseed	0.42	0.18	1.29	0.04	3.07
Fenugreek	0.05	0.02	0.12	0.00	2.40
<b>ALL CROPS</b>	237.40	100.00	3360.27	100.00	14.15