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TRANSITIONAL GOVERNMENT OF
ETHIOPIA

CENTRAL STATISTICAL AUTHORITY

AGRICULTURAL SAMPLE SURVEY
1990/91 (1983 E.C.)

RESULTS OF AREA AND PRODUCTION
FOR PRIVATE HOLDINGS
(MAIN SEASON)

ADDIS ABABA, SEPTEMBER 1991

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STATISTICAL

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ETHIOPIA

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**AGRICULTURAL SAMPLE SURVEY
1990/91-1983 E.C.**

**RESULTS OF AREA AND PRODUCTION
FOR PRIVATE HOLDINGS
(MAIN SEASON)**

ADDIS ABABA, SEPTEMBER 1991

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Results of Area and Production for 1990/91 (1983 E.C)

The 1990/91 Agricultural Survey schedules were processed by computer and the results for private holdings are presented in this publication. These are based on information collected through the holders in about 10620 agricultural households. The results of area and production are presented in 27 tables. This Report excludes Ertirea, Tigray, Assab and Ogaden Autonomous Regions.

The regional estimates presented in this publication are rough and are subject to higher sampling fluctuations. Care should therefore be taken while using the regional estimates.

N.B. Final results will be published by sector and season in the near future.

TABLE 1:- ESTIMATES OF AREA AND PRODUCTION FOR PRIVATE HOLDINGS IN ETHIOPIA*
IN 1990/91 (1983 E.C.)

	TOTAL AREA (000'HA)	%	TOTAL PRODUCTION (000'QT)	%	YIELD (QT/HA)
CEREALS	8898.63	30.95	53201.71	80.70	13.65
Teff	1262.66	26.22	18044.65	27.37	14.29
Barley	550.66	11.43	7113.79	10.79	12.92
Wheat	487.40	10.12	6995.37	10.61	14.35
Maize	908.67	18.87	11589.34	17.58	12.75
Sorghum	489.05	10.15	6706.15	10.17	13.71
Millet	163.41	3.39	2209.63	3.35	13.52
Oats	36.78	0.76	542.78	0.82	14.76
PULSES	674.10	14.00	9536.30	14.54	14.22
Horse beans	243.31	5.05	3665.58	5.56	15.07
Field peas	116.97	2.43	1719.45	2.61	14.70
Haricot beans	91.60	1.90	1271.34	1.93	13.88
Chick peas	116.69	2.42	1501.59	2.28	12.87
Lentils	40.65	0.84	623.79	0.95	15.35
Vetch	64.88	1.35	804.55	1.22	12.40
OTHERS	243.14	5.05	3133.22	4.75	12.89
Neug	158.79	3.30	2036.25	3.09	12.82
Linseed	62.69	1.30	840.41	1.27	13.41
Fenugreek	9.98	0.21	116.89	0.18	11.71
Rapeseed	11.68	0.24	139.67	0.21	11.96
ALL CROPS	4815.87	100.00	65921.23	100.00	13.69

*EXCLUDING ERITREA, TIGRAY, ASSAB AND OGADEN AUTONOMOUS REGIONS.

Table 2:- ESTIMATES OF AREA AND PRODUCTION OF MAJOR CROPS FOR PRIVATE HOLDINGS IN ARSSI IN 1990/91 (1983 E.C.)

	TOTAL AREA (000' HA)	%	TOTAL PRODUCTION (000' QT)	%	YIELD (QT/HA)
CEREALS	358.53	80.72	5564.10	81.71	15.52
Teff	25.74	5.80	360.05	5.29	13.99
Barley	144.97	32.64	2089.10	30.68	14.41
Wheat	135.61	30.53	2279.54	33.48	16.81
Maize	35.16	7.92	602.59	8.85	17.14
Sorghum	8.76	1.97	122.45	1.80	13.97
Oats	8.28	1.86	110.30	1.62	13.33
PULSES	56.67	12.76	781.69	11.48	13.79
Horse beans	23.78	5.35	318.16	4.67	13.38
Field peas	14.85	3.34	214.06	3.14	14.42
Haricot beans	12.35	2.78	165.18	2.43	13.38
Chick peas	.26	.06	1.97	.03	7.52
Lentils	4.39	.99	75.14	1.10	17.12
Vetch	1.05	.24	7.17	.11	6.85
OTHERS	28.96	6.52	463.77	6.81	16.01
Neug	.44	.10	4.88	.07	11.15
Linseed	25.59	5.76	431.57	6.34	16.86
FEnugreek	.27	.06	4.06	.06	15.08
Rapeseed	2.67	.60	23.27	.34	8.73
ALL CROPS	444.17	100.00	6809.57	100.00	15.33

Table 3:- ESTIMATES OF AREA AND PRODUCTION OF MAJOR CROPS FOR PRIVATE HOLDINGS IN BALE IN 1990/91 (1983 E.C.)

	TOTAL AREA		TOTAL PRODUCTION		YIELD (QT/HA)
	ARFA (000' HA)	%	(000' QT)	%	
CEREALS	90.39	82.01	1128.47	83.27	12.48
Teff	9.52	8.63	96.88	7.15	10.18
Barley	33.56	30.44	410.59	30.30	12.24
Wheat	32.79	29.75	432.19	31.89	13.18
Maize	5.19	4.70	60.38	4.46	11.65
Sorghum	.72	.65	5.33	.39	7.39
Oats	8.63	7.83	123.09	9.08	14.27
PULSES	12.39	11.24	152.70	11.27	12.33
Horse beans	3.46	3.14	35.97	2.65	10.39
Field peas	4.81	4.36	70.01	5.17	14.56
Haricot beans	.27	.24	1.77	.13	6.60
Chick peas	1.89	1.71	15.96	1.18	8.44
Lentils	1.10	1.00	19.44	1.43	17.62
Vetch	.86	.78	9.54	.70	11.12
OTHERS	7.44	6.75	73.95	5.46	9.94
Neug	.27	.24	1.78	.13	6.61
Linseed	5.96	5.41	59.27	4.37	9.94
Fenugreek	1.20	1.09	12.85	.95	10.71
Rapeseed	.01	.01	.05	.00	6.62
ALL CROPS	110.22	100.00	1355.12	100.00	12.29

TABLE 4:- ESTIMATES OF AREA AND PRODUCTION OF MAJOR CROPS FOR PRIVATE HOLDINGS IN NORTH OMO IN 1990/91 (1983 E.C)

	TOTAL AREA (000'HA)	%	TOTAL PRODUCTION (000'QT)	%	YIELD (QT/HA)
CEREALS	102.58	82.88	1324.16	80.51	12.91
Teff	39.59	31.99	616.17	37.46	15.56
Barley	21.01	16.97	273.17	16.61	13.00
Wheat	4.04	3.26	48.06	2.92	11.91
Maize	13.47	10.88	114.96	6.99	8.53
Sorghum	23.95	19.35	268.15	16.30	11.20
Millet	.50	.40	3.32	.20	6.70
Oats	.03	.03	.33	.02	10.39
PULSES	21.08	17.03	320.18	19.47	15.19
Horse Beans	4.76	3.85	59.78	3.63	12.56
Field Peas	5.06	4.09	80.33	4.88	15.88
Haricot Beans	8.33	6.73	131.55	8.00	15.79
Chick Peas	2.88	2.33	47.89	2.91	16.64
Lentils	.05	.04	.62	.04	12.50
OTHERS	.11	.09	.39	.02	3.64
Neug	.07	.05	.00	.00	.00
Linseed	.03	.03	.39	.02	12.08
Fenugreek	.01	.01	.00	.00	.00
ALL CROPS	123.76	100.00	1644.74	100.00	13.29

TABLE 5:- ESTIMATES OF AREA AND PRODUCTION OF MAJOR CROPS FOR PRIVATE HOLDINGS IN SOUTH OMO IN 1990/91 (1983 E.C)

	TOTAL AREA (000'HA)	%	TOTAL PRODUCTION (000'QT)	%	YIELD (QT/HA)
CEREALS	8.55	82.57	102.31	81.06	11.97
Teff	2.08	20.09	26.30	20.84	12.65
Barley	.95	9.14	12.27	9.72	12.97
Wheat	.19	1.87	2.01	1.59	10.37
Maize	2.51	24.20	30.29	24.00	12.09
Sorghum	2.82	27.28	31.45	24.92	11.14
PULSES	1.80	17.43	23.90	18.94	13.25
Horse beans	.51	4.91	6.27	4.96	12.33
Field peas	.91	8.78	11.20	8.87	12.32
Haricot beans	.37	3.58	6.33	5.02	17.06
Lentils	.02	.15	.15	.08	6.93
ALL CROPS	10.35	100.00	126.22	100.00	12.19

TABLE 6:- ESTIMATES OF AREA AND PRODUCTION OF MAJOR CROPS FOR PRIVATE HOLDINGS IN EAST GOJAMIN 1990/91 (1983 E.C.)

	TOTAL AREA (000'HA)	%	TOTAL PRODUCTION (000'QT)	%	YIELD QT/HA
CEREALS	330.79	76.13	4481.94	76.39	13.55
Teff	177.33	40.81	2400.35	40.91	13.54
Barley	52.37	12.05	662.86	11.30	12.66
Wheat	58.19	13.39	843.87	14.38	14.50
Maize	26.04	5.99	348.65	5.94	13.39
Sorghum	16.41	3.78	221.36	3.77	13.49
Millet	.45	.10	4.86	.08	10.85
PULSES	69.30	15.95	979.53	16.70	14.13
Horse beans	20.41	4.70	280.55	4.78	13.74
Field peas	8.29	1.91	118.33	2.02	14.27
Haricot beans	1.33	.31	8.79	.15	6.59
Chick peas	16.66	3.83	239.49	4.08	14.38
Lentils	5.47	1.26	123.94	2.11	22.65
Vetch	17.13	3.94	208.44	3.55	12.17
OTHERS	34.42	7.92	405.68	6.91	11.79
Neug	21.58	4.97	255.84	4.36	11.86
Linseed	9.84	2.26	111.63	1.90	11.35
Fenugreek	2.34	.54	31.09	.53	13.30
Rapeseed	.66	.15	7.12	.12	10.74
ALL CROPS	434.51	100.00	5867.15	100.00	13.50

TABLE 7:- ESTIMATES OF AREA AND PRODUCTION OF MAJOR CROPS FOR PRIVATE HOLDINGS IN WEST GOJAM IN 1990/91 (1983 E.C.) ✓

	TOTAL AREA (000 ² HA)	%	TOTAL PRODUCTION (000 ² QT)	%	YIELD (QT/HA)
CEREALS	400.25	81.76	5355.73	84.02	13.38
Teff	186.30	38.05	2762.34 ✓	43.34	14.83
Barley	65.35	13.35	678.39	10.64	10.38
Wheat	9.78	2.00	129.98	2.04	13.29
Maize	64.51	13.18	745.62	11.70	11.56
Sorghum	.76	.15	11.17	.18	14.79
Millet	73.17	14.95	1024.14	16.07	14.00
Oats	.39	.08	4.10	.06	10.52
ULSEES	38.43	7.85	439.71	6.90	11.44
Horse beans	12.14	2.48	179.50	2.82	14.79
Field peas	6.39	1.30	86.74	1.36	13.58
Haricot beans	.56	.12	5.45	1.09	9.67
Chick peas	11.56	2.36	103.39	1.62	8.95
Lentils	.33	.07	3.06	.05	9.30
Vetch	7.45	1.52	61.57	.97	8.26
OTHERS	50.89	10.39	578.78	9.08	11.37
Neug	39.70	8.11	448.45	7.04	11.30
Linseed	5.04	1.03	48.55	.76	9.63
Fenugreek	.12	.02	1.34	.02	11.13
Rapeseed	6.03	1.23	80.44	1.26	13.34
TOTAL CROPS	489.56	100.00	6374.22	100.00	13.02

TABLE 8:- ESTIMATES OF AREA AND PRODUCTION OF MAJOR CROPS FOR PRIVATE
HLDINGS IN METEKEL IN 1990/91 (1983 E.C.)

	TOTAL AREA (000' HA)	%	TOTAL PRODUCTION (000' QT)	%	YIELD (QT/HA)
CEREALS	52.90	86.44	727.55	85.26	13.75
- Teff	16.26	26.57	251.94	29.53	15.49
Barley	.04	.07	.41	.05	9.83
Wheat	.32	.52	2.94	.34	9.26
Maize	9.80	16.01	115.57	13.54	11.79
Sorghum	8.20	13.41	65.64	7.69	8.00
Millet	13.38	21.86	176.97	20.74	13.23
Oats	4.90	8.00	114.08	13.37	23.30
PULSES	1.19	1.94	11.04	1.29	9.29
Horse beans	.15	.24	.99	.12	6.65
Haricot beans	.03	.06	.22	.03	6.60
Chick peas	1.01	1.64	9.83	1.15	9.77
OTHERS	7.11	11.62	114.71	13.44	16.13
Neug	6.00	9.80	96.11	11.26	16.03
Linseed	.05	.08	.39	.05	8.41
Rapeseed	1.07	1.75	18.21	2.13	17.02
ALL CROPS	61.20	100.00	853.30	100.00	13.94

ESTIMATES OF AREA AND PRODUCTION OF MAJOR CROPS FOR PRIVATE HOLDINGS IN NORTH GONDER IN 1990/91 (1983 E.C)

	TOTAL AREA (000' HA)	%	TOTAL PRODUCTION (000' QT)	%	YIELD (QT/HA)
REALS	134.31	72.31	1859.53	72.19	13.84
Teff	42.53	22.92	567.04	22.01	13.32
Barley	18.09	9.74	228.42	8.87	12.62
Wheat	7.71	4.15	85.51	3.32	11.08
Maize	7.91	4.26	94.29	3.66	11.91
Sorghum	47.09	25.35	743.94	29.07	15.91
Millet	9.45	5.09	118.17	4.59	12.51
Oats	1.43	.80	17.16	.67	11.61
LSSES	42.68	22.98	594.62	23.03	13.93
Horse Beans	10.78	5.80	158.73	6.16	14.73
Field Peas	5.59	3.01	78.27	3.04	14.00
Haricot Beans	.14	.07	.91	.04	6.59
Chick Peas	22.79	12.27	304.12	11.81	13.34
Lentils	1.14	.61	24.87	.97	21.78
Vetch	2.24	1.21	27.71	1.08	12.36
HERS	8.75	4.71	121.88	4.73	13.93
Leug	5.67	3.05	82.09	3.19	14.47
Linseed	1.02	.55	13.81	.54	13.59
Benugreek	1.95	1.05	24.71	.96	12.68
rapeseed	.11	.06	1.27	.05	11.74
CROPS	185.74	100.00	2576.03	100.00	13.8

TABLE 10:- ESTIMATES OF AREA AND PRODUCTION OF MAJOR CROPS FOR PRIVATE HOLDINGS IN SOUTH GONDER IN 1990/91 (1983 E.C)

	TOTAL AREA (000 ¹ HA)	%	TOTAL PRODUCTION (000 ¹ QT)	%	YIELD (QT/HA)
CEREALS	84.04	71.61	1172.06	74.95	13.95
Teff	42.34	36.08	647.43	41.40	15.29
Barley	9.46	8.06	188.57	12.06	19.93
Wheat	1.13	.96	21.77	1.39	19.23
Maize	12.75	10.86	155.14	9.92	12.17
Sorghum	3.51	2.99	32.20	2.06	9.16
Millet	14.85	12.65	126.96	8.12	8.55
PULSES	16.93	14.43	156.97	10.04	9.27
Horse beans	2.72	2.32	14.67	.94	5.39
Field peas	.11	.10	1.10	.07	9.69
Chick peas	4.38	3.73	53.58	3.43	12.23
Lentils	.81	.69	5.32	.34	6.57
Vetch	8.91	7.59	82.30	5.26	9.24
OTHERS	16.39	13.96	234.70	15.01	14.32
Neug	14.45	12.31	208.25	13.32	14.41
Linseed	1.69	1.44	22.00	1.41	12.99
Fenugreek	.11	.10	.74	.05	6.57
Rapeseed	.13	.11	3.71	.24	28.52
ALL CROPS	117.36	100.00	1563.73	100.00	13.32

TABLE 11:- ESTIMATES OF AREA AND PRODUCTION OF MAJOR CROPS FOR PRIVATE HOLDINGS IN DIRE DAWA IN 1990/91 (1983 E.C.)

	TOTAL AREA (000 ³ HA)	%	TOTAL PRODUCTION (000 ³ QT)	%	YIELD QT/HA
CEREALS	5.11	99.65	73.04	99.58	14.29
Teff	.00	.01	.00	.00	.00
Barley	.00	.01	.00	.01	6.62
Maize	.31	5.95	2.41	3.29	7.91
Sorghum	4.80	93.68	70.62	96.28	14.70
LEGUMES	.02	.35	.31	.42	17.42
Field peas	.01	.19	.06	.09	6.58
Haricot beans	.01	.13	.24	.32	35.31
Chick peas	.00	.02	.01	.01	6.62
ALL CROPS	5.13	100.00	73.35	100.00	14.31
				.../13	

TABLE 12:- ESTIMATES OF AREA AND PRODUCTION OF MAJOR CROPS FOR PRIVATE HOLDINGS IN EAST HARARGHE IN 1990/91 (1983 E.C.)

	TOTAL AREA (000'HA)	%	TOTAL PRODUCTION (000'QTI)	%	YIELD (QT/HA)
CEREALS	149.71	90.15	1968.50	89.77	13.15
Teff	1.75	1.05	28.77	1.31	16.43
Barley	3.45	2.08	43.10	1.97	12.49
Wheat	12.14	7.31	158.87	7.24	13.09
Maize	32.46	19.55	417.56	19.04	12.86
Sorghum	99.03	59.63	1304.45	59.49	13.17
Oats	.88	.53	15.76	.72	17.89
PULSES	14.85	8.94	207.01	9.44	13.94
Horse beans	4.46	2.69	64.87	2.96	14.54
Field peas	2.68	1.62	32.67	1.49	12.18
Haricot beans	6.69	4.03	98.44	4.49	14.72
Chick peas	.22	.14	1.77	.08	7.85
Lentils	.80	.48	9.26	.42	11.62
OTHERS	1.51	.91	17.32	.79	11.50
Linseed	.24	.14	4.95	.23	20.71
Fenugreek	1.27	.76	12.37	.56	9.76
ALL CROPS	166.07	100.00	2192.83	100.00	13.20

TABLE 13:- ESTIMATES OF AREA AND PRODUCTION OF MAJOR CROPS FOR PRIVATE HOLDINGS IN WEST HAKARGHE IN 1990/91 (1983 E.C.)

	TOTAL AREA (000' HA)	%	TOTAL PRODUCTION (000' QT)	%	YIELD (QT/HA)
CEREALS	101.71	81.06	1424.60	80.08	14.01
Teff	15.29	12.18	233.91	13.15	15.30
Barley	4.97	3.96	70.86	3.98	14.26
Wheat	3.72	2.97	58.76	3.30	15.78
Maize	31.47	25.08	420.40	23.63	13.36
Sorghum	42.90	34.19	596.44	33.53	13.90
Millet	.12	.10	1.56	.09	12.50
Oats	3.24	2.58	42.68	2.40	13.18
PULSES	21.81	17.38	330.13	18.56	15.14
Horse beans	4.67	3.73	83.39	4.69	17.84
Field peas	.61	.48	7.57	.43	12.50
Haricot beans	10.89	8.68	150.19	8.44	13.79
Chick peas	2.39	1.91	30.96	1.74	12.94
Lentils	1.33	1.06	27.55	1.55	20.70
Vetch	1.91	1.52	30.47	1.71	15.93
OTHERS	1.96	1.56	24.30	1.37	12.42
Linseed	1.23	.98	12.53	.70	10.21
Fenugreek	.64	.51	11.77	.66	18.32
Rapeseed	.09	.07	.00	.00	.00
ALL CROPS	125.48	100.00	1779.03	100.00	14.18

TABLE 14:- ESTIMATES OF AREA AND PRODUCTION OF MAJOR CROPS FOR PRIVATE HOLDINGS IN GAMBELLA IN 1990/91 (1983 E.C.)

	TOTAL AREA (000 ⁰ HA)	%	TOTAL PRODUCTION (000 ⁰ QT)	%	YIELD (QT/HA)
CEREALS	8.44	96.26	93.74	87.58	11.10
Teff	.27	3.10	5.24	4.90	19.28
Barley	.19	2.11	2.73	2.55	14.74
Wheat	.13	1.46	5.14	4.80	40.10
Maize	6.87	78.30	57.93	54.12	8.44
Sorghum	.99	11.28	22.68	21.19	22.93
Millet	.00	.02	.02	.02	12.50
PULSES	.33	3.74	13.29	12.42	40.56
Horse beans	.21	2.39	11.62	10.86	55.49
Haricot beans	.12	1.35	1.67	1.56	14.14
ALL CROPS	8.77	100.00	107.04	100.00	12.20

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TABLE 15:- ESTIMATES OF AREA AND PRODUCTION OF MAJOR CROPS FOR PRIVATE HOLDINGS IN ILLUBABOR IN 1990/91 (1983 E.C.)

	TOTAL AREA (000'HA)	%	TOTAL PRODUCTION (000'QT)	%	YIELD (QT/HA)
CEREALS	339.94	90.03	4220.25	89.66	12.41
Teff	106.97	28.33	1285.91	27.32	12.02
Barley	15.63	4.14	196.23	4.17	12.56
Wheat	11.43	3.03	151.94	3.23	13.30
Maize	145.55	38.55	1830.24	38.89	12.57
Sorghum	52.61	13.93	651.59	13.84	12.39
Millet	6.98	1.85	95.98	2.04	13.75
Oats	.78	.21	8.36	.18	10.71
PULSES	33.37	8.84	438.20	9.31	13.13
Horse beans	16.25	4.30	250.41	5.32	15.41
Field peas	13.95	3.69	147.24	3.13	10.56
Haricot beans	2.19	.58	20.92	.44	9.54
Chick peas	.35	.09	11.73	.25	33.91
Lentils	.50	.13	3.38	.07	6.77
Vetch	.13	.04	4.53	.10	33.75
THERS	4.28	1.13	48.28	1.03	11.27
Neug	3.06	.81	31.17	.66	10.18
Linseed	1.11	.29	16.33	.35	14.77
Fenugreek	.12	.03	.77	.02	6.59
ALL CROPS	377.60	100.00	4706.73	100.00	12.46

TABLE 16:- ESTIMATES OF AREA AND PRODUCTION OF MAJOR CROPS FOR PRIVATE HOLDINGS IN KEFFA IN 1990/91 (1983 E.C.)

	TOTAL AREA (000 ³ HA)	%	TOTAL PRODUCTION (000 ³ QT)	%	YIELD (QT/HA)
CEREALS	64.54	79.39	894.50	72.38	13.86
Teff	8.91	10.96	138.70	11.22	15.56
Barley	4.01	4.94	43.68	3.53	10.88
Wheat	.97	1.19	9.46	.77	9.80
Maize	24.75	30.44	316.46	25.61	12.79
Sorghum	14.10	17.34	187.18	15.15	13.28
Millet	11.80	14.51	199.01	16.10	16.87
PULSES	16.58	20.39	339.30	27.45	20.47
Horse beans	9.73	11.97	210.54	17.04	21.64
Field peas	3.63	4.47	89.05	7.21	24.50
Haricot beans	2.55	3.14	34.61	2.80	13.58
Chick peas	.66	.82	5.10	.41	7.67
OTHERS	.18	.22	2.06	.17	11.34
Neug	.17	.21	1.39	.15	11.25
Linseed	.01	.02	.17	.01	12.50
ALL CROPS	81.29	100.00	1235.86	100.00	15.20

TABLE 17:- ESTIMATES OF AREA AND PRODUCTION OF MAJOR CROPS FOR PRIVATE HOLDINGS IN ADDIS ABABA IN 1990/91 (1983 E.C.)

	TOTAL AREA (000 ³ HA)	%	TOTAL PRODUCTION (000 ³ QT)	%	YIELD (QT/HA)
CEREALS	84.14	75.47	1094.30	75.20	13.01
Teff	36.77	32.98	506.10	34.78	13.76
Barley	25.68	23.03	322.01	22.13	12.54
Wheat	20.19	18.11	251.89	17.31	12.48
Maize	.87	.78	8.43	.58	9.69
Sorghum	.52	.47	4.81	.33	9.19
Oats	.11	.10	1.06	.07	9.64
PULSES	25.77	23.11	339.78	23.35	13.19
Horse beans	7.29	6.54	97.22	6.68	13.34
Field peas	1.50	1.34	17.68	1.21	11.79
Haricot beans	.12	.11	1.32	.09	10.95
Chick peas	8.56	7.68	98.75	6.79	11.53
Lentils	5.87	5.26	93.60	6.78	16.81
Vetch	2.43	2.18	26.23	1.80	10.78
OTHERS	1.59	1.42	21.06	1.45	13.26
Neug	.63	.57	8.80	.60	13.94
Linseed	.72	.64	9.95	.68	13.84
Fenugreek	.19	.17	1.84	.13	9.55
Rapeseed	.05	.04	.47	.03	10.46
ALL CROPS	111.50	100.00	1455.14	100.00	13.05

TABLE 18:- ESTIMATES OF AREA AND PRODUCTION OF MAJOR CROPS FOR PRIVATE HOLDINGS IN EAST SHOA IN 1990/91 (1983 E.C.)

	TOTAL AREA (000 ² HA)	%	TOTAL PRODUCTION (000 ² QT)	%	YIELD (QT/HA)
CEREALS	161.03	76.99	2182.77	78.65	13.56
Teff	100.28	47.95	1409.41	50.78	14.06
Barley	8.12	3.88	101.37	3.65	12.49
Wheat	25.86	12.37	357.98	12.90	13.84
Maize	25.18	12.04	299.86	10.80	11.91
Sorghum	1.54	.74	13.54	.49	8.80
Oats	.06	.03	.62	.02	9.95
PULSES	47.62	22.77	587.55	51.17	12.34
Horse beans	4.92	2.35	68.14	2.46	13.84
Field peas	8.71	4.17	117.41	4.23	13.48
Haricot beans	16.37	7.83	196.24	7.07	11.99
Chick peas	8.66	4.14	109.77	3.96	12.67
Lentils	3.62	1.73	41.86	1.51	11.56
Vetch	5.32	2.55	54.13	1.95	10.17
OTHERS	.50	.24	4.95	.18	9.90
Neug	.04	.02	.00	.00	.00
Linseed	.07	.03	.87	.03	12.50
Fenugreek	.36	.17	3.78	.14	10.47
Rapeseed	.03	.01	.29	.01	10.13
ALL CROPS	209.14	100.00	2775.26	100.00	13.27

TABLE 19:- ESTIMATES OF AREA AND PRODUCTION OF MAJOR CROPS FOR PRIVATE HOLDINGS IN NORTH SHOA IN 1990/91 (1983 E.C.)

	TOTAL		TOTAL		
	AREA (000'HA)	%	PRODUCTION (000'QT)	%	YIELD (QT/HA)
CEREALS	145.42	63.94	1756.68	58.78	12.08
Teff	35.36	15.55	477.09	15.96	13.49
Barley	37.40	16.44	363.94	12.18	9.73
Wheat	57.57	25.31	721.86	24.16	12.54
Maize	2.42	1.06	27.91	.93	11.55
Sorghum	12.24	5.38	160.79	5.38	13.14
Oats	.44	.19	5.10	.17	11.66
PULSES	71.77	31.55	1111.24	37.18	15.48
Horse beans	50.93	22.39	745.41	24.94	14.64
Field peas	8.26	3.63	157.54	5.27	19.08
Chick peas	1.47	.65	14.98	.50	10.16
Lentils	5.54	2.44	65.40	2.19	11.80
Vetch	5.56	2.44	127.91	4.28	23.01
OTHERS	10.27	4.51	120.48	4.03	11.74
Neug	8.51	3.74	108.91	3.64	12.80
Linseed	1.57	.69	10.48	.35	6.66
Fenugreek	.10	.04	1.09	.04	10.90
Rapeseed	.08	.04	.00	.00	.00
ALL CROPS	227.46	100.00	2988.40	100.00	13.14

TABLE 20:- ESTIMATES OF AREA AND PRODUCTION OF MAJOR CROPS FOR PRIVATE HOLDINGS IN SOUTH SHOA IN 1990/91 (1983 E.C.)

	TOTAL AREA (000 ⁰ HA)	%	TOTAL PRODUCTION (000 ⁰ QT)	%	YIELD (QT/HA)
CEREALS	385.89	88.46	5524.63	89.17	14.32
Teff	90.61	20.77	1764.65	28.48	19.47
Barley	14.90	3.41	206.05	3.33	13.83
Wheat	53.02	12.15	759.87	12.26	14.33
Maize	197.59	45.29	2331.78	37.64	11.80
Sorghum	26.89	6.16	436.75	7.05	16.24
Millet	.99	.23	10.17	.16	10.29
Oats	1.90	.43	15.36	.25	8.10
PULSES	49.08	11.25	661.14	10.67	13.47
Horse beans	14.41	3.30	193.62	3.13	13.44
Field peas	11.22	2.57	118.03	1.91	10.52
Haricot beans	13.41	3.07	203.79	3.29	15.20
Chick peas	5.62	1.29	96.73	1.56	17.20
Lentils	3.82	.88	44.04	.71	11.52
Vetch	.59	.14	4.93	.08	8.34
OTHERS	1.28	.29	9.74	.16	7.62
Neug	.04	.01	2.10	.03	46.88
Linseed	.23	.05	2.01	.03	8.75
Fenugreek	.75	.17	5.63	.09	7.46
Rapeseed	.25	.06	.00	.00	.00
ALL CROPS	436.24	100.00	6195.51	100.00	14.20

TABLE 21:- ESTIMATES OF AREA AND PRODUCTION OF MAJOR CROPS FOR PRIVATE HOLDINGS IN WEST SHOA IN 1990/91 (1983 E.C.)

	TOTAL AREA (000 ³ HA)	%	TOTAL PRODUCTION (000 ³ QT)	%	YIELD (QT/HA)
CEREALS	306.15	77.14	3983.69	77.95	13.01
Teff	153.79	38.75	2061.83	40.35	13.41
Barley	44.01	11.09	600.70	11.75	13.65
Wheat	39.58	9.97	511.54	10.01	12.92
Maize	45.93	11.57	522.82	10.23	11.38
Sorghum	21.46	5.41	271.31	5.31	12.64
Millet	.38	.10	4.76	.09	12.50
Oats	1.00	.25	10.74	.21	10.71
PULSES	49.95	12.59	618.68	12.11	12.38
Horse beans	17.06	4.30	223.29	4.37	13.09
Field peas	1.62	.41	14.82	.29	9.12
Haricot beans	.46	.12	3.92	.08	8.50
Chick peas	18.71	4.71	205.08	4.01	10.96
Lentils	2.18	.55	26.44	.52	12.13
Vetch	9.91	2.50	145.13	2.84	14.64
OTHERS	40.78	10.27	507.93	9.94	12.46
Neug	33.86	8.53	428.43	8.38	12.65
Linseed	6.34	1.60	71.98	1.41	11.36
Fenugreek	.20	.05	2.76	.05	13.51
Rapeseed	.38	.10	4.76	.09	12.50
ALL CROPS	396.89	100.00	5110.30	100.00	12.88

TABLE 22:- ESTIMATES OF AREA AND PRODUCTION OF MAJOR CROPS FOR PRIVATE HOLDINGS IN BORENA IN 1990/91 (1983E.C.)

	TOTAL AREA (000 ¹ HA)	%	TOTAL PRODUCTION (000 ¹ QT)	%	YIELD (QT/HA)
CEREALS	16.42	77.68	230.84	75.63	14.06
Teff	1.70	8.06	16.50	5.41	9.68
Barley	4.12	19.48	55.65	18.24	13.52
Wehat	1.13	5.36	20.87	6.84	18.44
Maize	3.88	42.03	127.45	41.76	14.35
Sorghum	.58	2.74	10.36	3.39	17.87
PULSES	4.70	22.26	74.29	24.34	15.79
Horse beans	1.17	5.55	19.33	6.33	16.50
Field peas	.72	3.39	8.92	2.92	12.45
Haricot beans	1.55	7.33	20.47	6.71	13.22
Chick peas	1.27	5.99	25.57	8.38	20.18
OTHERS	.01	.06	.08	.03	6.62
Linseed	.00	.01	.01	.00	6.59
Fenugreek	.01	.05	.07	.02	6.62
ALL CROPS	21.13	100.00	305.21	100.00	14.44

TABLE 23:- ESTIMATES OF AREA AND PRODUCTION OF MAJOR CROPS FOR PRIVATE HOLDINGS IN SIDAMO IN 1990/91 (1983 E.C.)

	TOTAL AREA (000'HA)	%	TOTAL PRODUCTION (000'QT)	%	YIELD (QT/HA)
CEREALS	96.65	88.08	1027.65	85.99	10.63
Teff	17.92	16.33	241.20	20.18	13.46
Barley	14.20	12.94	201.27	16.84	14.17
Wheat	3.46	3.15	42.41	3.55	12.26
Maize	59.24	53.99	515.53	43.14	8.70
Sorghum	1.64	1.49	23.56	1.97	14.39
Oats	.20	.18	3.67	.31	18.56
PULSES	13.03	11.87	167.13	13.98	12.83
Horse beans	2.40	2.19	39.26	3.29	16.35
Field peas	2.99	2.73	44.46	3.72	14.85
Haricot beans	7.64	6.96	83.41	6.98	10.92
OTHERS	.05	.04	.35	.03	7.51
Linseed	.03	.02	.31	.03	11.53
Fenugreek	.01	.01	.00	.00	.00
Rapeseed	.01	.01	.04	.00	6.93
ALL CROPS	109.73	100.00	1195.13	100.00	10.89

TABLE 24:- ESTIMATES OF AREA AND PRODUCTION OF MAJOR CROPS FOR PRIVATE HOLDINGS IN ASSOSA IN 1990/91 (1983 E.C.)

	TOTAL AREA (000 ³ HA)	%	TOTAL PRODUCTION (000 ³ QT)	%	YIELD (QT/HA)
CEREALS	17.13	94.64	228.45	95.30	13.34
Teff	3.33	18.40	61.91	25.82	18.59
Barley	.09	.48	.71	.29	8.11
Wheat	.10	.55	.66	.28	6.60
Maize	6.43	35.52	78.11	32.58	12.15
Sorghum	3.74	20.66	45.92	19.15	12.28
Millet	3.44	19.03	41.16	17.17	11.95
PULSES	.26	1.42	2.54	1.06	9.88
House beans	.06	.36	.83	.35	12.82
Field peas	.00	.02	.03	.01	6.57
Haricot beans	.13	.72	1.31	.55	9.96
Vetch	.06	.32	.38	.16	6.62
OTHERS	.71	3.94	8.73	3.64	12.24
Neug	.67	3.72	8.41	3.51	12.47
Linseed	.04	.21	.32	.13	8.18
ALL CROPS	18.10	100.00	239.72	100.00	13.24

TABLE 25:- ESTIMATES OF AREA AND PRODUCTION OF MAJOR CROPS FOR PRIVATE HOLDINGS IN WELLEGA IN 1990/91 (1983 E.C.)

	TOTAL AREA (000 ³ HA)	%	TOTAL PRODUCTION (000 ³ QT)	%	YIELD (QT/HA)
CEREALS	277.32	83.70	4111.18	81.26	14.82
Teff	86.61	26.14	1398.93	27.65	16.15
Barley	12.55	3.79	160.39	3.17	12.78
Wheat	2.70	.82	35.08	.69	12.99
Maize	113.90	34.38	1668.25	32.97	14.65
Sorghum	33.57	10.13	443.69	8.77	13.22
Millet	27.89	8.42	402.47	7.95	14.43
Oats	.09	.03	2.37	.05	25.58
PULSES	29.87	9.02	586.57	11.59	19.63
horse beans	11.22	3.39	200.00	3.95	17.82
Field peas	10.90	3.29	232.51	4.60	21.33
Haricot beans	5.90	1.78	132.91	2.63	22.54
Chick peas	1.69	.51	18.81	.37	11.13
Lentils	.07	.02	.49	.01	6.62
Vetch	.09	.03	1.86	.04	20.40
OTHERS	24.13	7.28	361.57	7.15	14.99
Neug	23.00	6.94	345.12	6.82	15.01
Linseed	.96	.29	16.16	.32	16.89
Fenugreek	.04	.01	.28	.01	6.58
Rapeseed	.13	.04	.00	.00	.00
ALL CROPS	331.32	100.00	5059.31	100.00	15.27

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- 361.57

TABLE 26:- ESTIMATES OF AREA AND PRODUCTION OF MAJOR CROPS FOR PRIVATE HOLDINGS IN* NORTH WOLLO IN 1990/91 (1983 E.C.)

	TOTAL AREA (000 ³ HA)	%	TOTAL PRODUCTION (000 ³ QT)	%	YIELD (QT/HA)
CEREALS	46.52	76.43	537.99	73.56	11.56
Teff	21.36	35.09	153.94	21.05	7.21
Barley	10.57	17.36	134.90	18.45	12.76
Wheat	1.43	2.35	16.99	2.32	11.88
Maize	1.07	1.76	22.78	3.11	21.29
Sorghum	10.92	17.94	197.06	26.95	18.05
Oats	1.16	1.91	12.33	1.69	10.63
PULSES	13.80	22.67	190.87	26.10	13.83
Horse beans	6.87	11.29	110.53	15.11	16.09
Field peas	2.18	3.58	9.19	1.29	4.22
Chick peas	3.58	5.88	55.56	7.60	15.52
Lentils	0.98	1.61	12.46	1.70	12.71
Vetch	0.19	0.31	3.13	0.43	16.47
OTHERS	0.55	0.90	2.47	0.34	4.49
Neug	0.03	0.05	0.00	0.00	0.00
Linseed	0.51	0.84	2.47	0.34	4.84
Fenugreek	0.01	0.02	0.00	0.00	0.00
ALL CROPS	60.87	100.00	731.33	100.00	12.01

*RESULTS ARE OBTAINED FROM FORECAST ESTIMATE OF 1990/91 (1983 E.C.)

TABLE 27:- ESTIMATES OF AREA AND PRODUCTION OF MAJOR CROPS FOR PRIVATE HOLDINGS IN SOUTH WOLLO IN 1990/91 (1983 E.C.)

	TOTAL AREA (000'HA)	%	TOTAL PRODUCTION (000'QT)	%	YIELD (QT/HA)
CEREALS	130.16	85.47	2133.03	82.01	16.39
Teff	39.99	26.26	532.09	20.46	13.31
Barley	4.99	3.27	66.41	2.55	13.32
Wheat	4.22	2.77	46.19	1.78	10.94
Maize	28.43	18.67	673.93	25.91	23.71
Sorghum	49.30	32.37	758.70	29.17	15.39
Millet	.01	.01	.10	.00	6.62
Oats	3.22	2.11	55.61	2.14	17.27
PULSES	20.83	13.68	457.93	17.61	21.99
Horse beans	12.94	8.50	292.52	11.25	22.60
Field peas	1.98	1.30	62.23	2.39	31.47
Haricot beans	.20	.13	1.69	.07	8.55
Chick peas	2.06	1.35	50.54	1.94	24.54
Lentils	2.62	1.72	41.80	1.61	15.94
Vetch	1.03	.67	9.13	.35	8.90
OTHERS	1.30	.86	10.03	.39	7.70
Neug	.61	.40	4.02	.15	6.57
Linseed	.42	.28	4.26	.16	10.06
FEnugreek	.27	.18	1.75	.07	6.55
ALL CROPS	152.29	100.00	2601.00	100.00	17.08

