

9
TRANSITIONAL GOVERNMENT OF
ETHIOPIA

CENTRAL STATISTICAL AUTHORITY

AREA AND PRODUCTION
OF
BELG SEASON CROPS
IN
1989/90 (1982 E.C.)

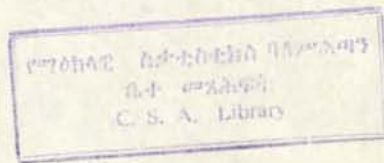
(PRIVATE HOLDINGS)

ADDIS ABABA
OCTOBER, 1991

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I. INTRODUCTION

This report contains results of area, production and yield for 1989/90 (1982 E.C.) belg season crops for private holdings from the Agricultural Sample Survey that was conducted in 1990/91 (1983 E.C.). The results are given for national and regional levels.

II. COVERAGE

The 1990/91 (1983 E.C.) Agricultural Sample Survey covered 24 of the new administrative and one autonomous regions (excluding Eritrea, Tigray N. Wollo, Aseb and Ogaden). 708 Sampled Farmers Associations (FAS) in the regions were covered by the survey but information on belg season crops was obtained only from 375 FAS.

III. METHODOLOGY

The information on both area and production for belg season crops were collected by interview method. For North Wollo the results in this report are calculated from previous data by using a different estimation method. Results in this report are processed partly by manual and by computer converting data reported by local units into metric units, using the conversion factors on local units prepared by Central Statistical Authority (CSA).

It should be noted that change has been made regarding the time reference of belg season since the 1987/88 Agricultural Sample Survey. Belg season crops are mainly sown during the period from February to June.

However, due to the heterogeneous nature of belg practice in different areas of the country and with the overlapping of sowing time for some main season crops the report on belg crops in the past faced problem of identification.

Hence, the identification of belg season crops since 1987/88 Agricultural Sample Survey is defined as any crop harvested during the months of March to August. Future belg surveys are expected to follow the same definition.

IV. RESULTS

Estimates of area, production, yield and their percentage distribution for 1989/90 belg season crops for private holdings are presented in this report. The results are given for National, 23 administrative and one autonomous regions.

Area under belg crops is highest in North Omo followed by Sidamo and Bale regions which account for about 16%, 11% and 10% of belg crop area respectively. Highest production for the season is observed in North North Omo which contribute about 17% of the total belg production followed by Illubabor and South Wollo. East Gojam is the least belg producer and the regions that did not report belg crop for 1989/90 (1982 E.C.) are Metekel and East Shoa. (Table 1).

Belg season crops account for about 11% of the total cultivated area and about 8% of the total production of private holdings in 1989/90 (1982 E.C.). In Borena, North Omo and Bale the share of belg in area and production is the highest compared to the other regions. (Table 3)

Some highlights on the regional results of belg area and production of 1990 and 1989 are as follows, For comparison purpose, in addition to other factors the available rainfall data are also taken into consideration.

In Sidamo and Borena the rainfall on the average from May-August of 1990 was lower than that of 1989 and that might have contributed to the reduction of area and production especially on the dominant crop maize in Sidamo. Similarly the rainfall from March-August in Gamo Goffa was lower than both 1989 and the Long Time Average (LTA) rainfall and this has reduced the area planted under maize in North Omo and yield in South Omo but increase in yield in North Omo is observed and so is the production. The rainfall from February-May of 1990 was lower than that of 1989 in Bale and was lower than both 1989 and LTA for Gojam and this is assumed to have had adverse effect on area planted and production of belg season crops in these regions. In Illubabor, Gambella, Keffa, Wellega, Assosa and West Shoa taken together the area planted under major crops for the season was considerably greater in 1990 than in 1989 as result higher production was obtained. In East and West Harerghe and also in South Shoa production has increased but in Arsi reduction of yield on barley crop is observed in 1990 belg season. However, in North Shoa and the other northern regions the cultivated area as well as the production of belg season has shown a decline in 1990 than that of the previous year and this may be due to partly, the rather few Farmers associations covered by the survey.

Thus the rainfall and other related factors have contributed to the decrease in overall area and production of 1990 belg season as compared to that of 1989.

TABLE 1. ESTIMATES OF TOTAL AREA, PRODUCTION, YIELD AND PERCENT DISTRIBUTION OF AREA AND PRODUCTION FOR 1989/90 (1982 E.C.) BELG SEASON CROPS FOR PRIVATE HOLDINGS IN ETHIOPIA* BY ADMINISTRATIVE REGION.

REGION	AREA (000' HA)	PRODUCTION (000' QT)	YIELD QT/HA	% DISTRIBUTION	
				AREA	PROD.
ARSI	37.47	256.42	6.84	6.74	5.43
BALE	56.56	367.24	6.49	10.17	7.77
NORTH OMO	90.81	788.61	8.68	16.33	16.70
SOUTH OMO	6.38	27.87	4.37	1.15	.59
EAST GOJAM	.32	.33	1.03	.06	.01
WEST GOJAM	13.00	74.33	5.72	2.34	1.57
METEKEL	-	-	-	-	-
NORTH GONDER	4.06	58.21	14.34	.73	1.23
SOUTH GONDER	1.68	8.16	4.86	.30	.17
DIRE DAWA	.43	2.85	6.63	.08	.06
EAST HARARGHE	10.76	87.38	8.12	1.93	1.85
WEST HARARGHE	14.35	83.23	5.80	2.58	1.76
GAMBELA	3.84	11.96	3.11	.69	.25
ILLUBABOR	42.61	537.37	12.61	7.66	11.38
KEFFA	31.01	343.21	11.07	5.57	7.27
ADDIS ABABA	4.30	39.67	9.23	.77	.84
EAST SHOA	-	-	-	-	-
NORTH SHOA	27.28	267.96	9.82	4.90	5.67
SOUTH SHOA	4.94	58.45	11.83	.89	1.24
WEST SHOA	6.35	64.62	10.17	1.14	1.37
BORENA	25.85	153.71	5.95	4.65	3.25
SIDAMO	61.79	324.27	5.25	11.11	6.86
ASSOSA	7.16	42.01	5.87	1.29	.89
WELLEGA	37.83	327.05	8.65	6.80	6.92
NORTH WOLLO	31.96	384.80	12.04	5.75	8.15
SOUTH WOLLO	35.51	413.76	11.65	6.38	8.76
TOTAL	556.24	4723.46	8.49	100.00	100.00

TABLE 2. ESTIMATES OF TOTAL AREA, PRODUCTION, YIELD AND PERCENT DISTRIBUTION OF AREA AND PRODUCTION FOR 1989/90 (1982 E.C.) BELG SEASON CROPS FOR PRIVATE HOLDINGS IN ETHIOPIA* BY CROP.

CROP	AREA (000'HA)	PRODUCTION (000.QT)	YIELD QT/HA	% DISTRIBUTION	
				AREA	PROD.
CEREALS	516.67	4480.53	8.67	92.89	94.86
TEFF	28.51	241.61	8.47	5.13	5.11
BARLEY	146.25	1182.52	8.09	26.29	25.03
WHEAT	26.63	209.29	7.86	4.79	4.43
MAIZE	278.22	2572.01	9.24	50.02	54.45
SORGHUM	19.08	93.92	4.92	3.43	1.99
MILLET	2.79	12.00	4.30	.50	.25
C. OATS	15.19	169.19	11.14	2.73	3.58
PULSES	38.30	238.43	6.23	6.89	5.05
HORSE BEAN	.86	5.91	6.87	.15	.13
FIELD PEA	10.66	45.80	4.30	1.92	.97
HARICOT BEAN	13.95	85.21	6.11	2.51	1.80
CHICK PEA	9.69	81.89	8.45	1.74	1.73
LENTIL	3.15	19.61	6.23	.57	.42
VETCH	0.00	0.00	0.00	0.00	0.00
OIL SEEDS	1.27	4.55	3.58	.23	.10
NEUG	.05	.19	3.80	.01	0.01
LINSEED	.77	2.92	3.80	.14	.06
FENUGREEK	.45	1.44	3.20	.08	.03
RAPESEED	0.00	0.00	0.00	0.00	0.00
TOTAL	556.24	4723.46	8.49	100.00	100.00

* EXCLUDING ERITREA, TIGRAI, ASEB AND OGADEN AUTONOMOUS REGIONS.

TABLE 3. ESTIMATES OF TOTAL AREA, PRODUCTION AND PERCENT SHARE OF BELG
IN 1989/90 (1982 E.C.) FOR PRIVATE HOLDINGS IN ETHIOPIA.*

REGION	AREA			PRODUCTION		
	MEHER (000'HA)	BELG (000'HA)	% BELG	MEHER (000'QT)	BELG (000'QT)	% BELG
ARSI	395.14	37.47	8.66	6684.66	256.42	3.69
BALE	94.94	56.56	37.33	1342.01	367.24	21.49
NORTH OMO	146.81	90.81	38.22	1588.23	788.61	33.18
SOUTH OMO	11.67	6.38	35.35	136.90	27.87	16.92
EAST GOJAM	304.99	.32	.11	3315.64	.33	.01
WEST GOJAM	396.79	13.00	3.17	4025.66	74.33	1.81
METEKEL	64.18	0.00	0.00	646.91	0.00	0.00
NORTH GONDER	172.12	4.06	2.30	1554.74	58.21	3.61
SOUTH GONDER	216.55	1.68	.77	1732.80	8.16	.47
DIRE DAWA	3.49	.43	11.07	38.44	2.85	6.90
EAST HARARGHE	132.89	10.76	7.49	1915.95	87.38	4.36
WEST HARARGHE	115.75	14.35	11.03	1862.26	83.23	4.28
GAMBELA	8.61	3.84	30.87	99.37	11.96	10.74
ILLUBABOR	290.74	42.61	12.78	4511.38	537.37	10.64
KEFFA	82.36	31.01	27.35	1564.98	343.21	17.99
ADDIS ABABA	138.65	4.30	3.01	1371.84	39.67	2.81
EAST SHOA	187.28	0.00	0.00	2156.95	0.00	0.00
NORTH SHOA	369.80	27.28	6.87	3714.93	267.96	6.73
SOUTH SHOA	395.06	4.94	1.23	5570.16	58.45	1.04
WEST SHOA	311.25	6.35	2.00	4066.08	64.62	1.56
BORENA	21.99	25.85	54.04	275.64	153.71	35.80
SIDAMO	112.58	61.79	35.44	1989.55	324.27	14.01
ASSOSA	35.04	7.16	16.96	584.48	42.01	6.71
WELLEGA	265.02	37.83	12.49	3077.26	327.05	9.61
NORTH WOLLO	90.25	31.96	26.15	1412.68	384.80	21.41
SOUTH WOLLO	199.49	35.51	15.11	2225.54	413.76	15.68
TOTAL	4563.44	556.24	10.86	57465.06	4723.46	7.60

* EXCLUDING ERITREA, TIGRAI, ASEB AND OGADEN AUTONOMOUS REGIONS.

TABLE 4. ESTIMATES OF AREA, PRODUCTION, YIELD AND PERCENT DISTRIBUTION OF AREA AND PRODUCTION FOR 1989/90 (1982 E.C.) BELG SEASON CROPS FOR PRIVATE HOLDINGS IN ARSI.

CROP	AREA (000 ¹ HA)	PRODUCTION (000 ¹ QT)	YIELD QT/ HA	%DISTRIBUTION	
				AREA	PROD.
CEREALS	35.74	236.78	6.63	95.38	92.34
TEFF	.06	.18	3.00	.16	.07
BARLEY	32.00	205.90	6.43	85.40	80.30
WHEAT	.59	5.65	9.58	1.58	2.20
MAIZE	2.32	18.42	7.94	6.20	7.18
SORGHUM	-	-	-	-	-
MILLET	-	-	-	-	-
OATS	.76	6.63	8.72	2.03	2.59
PULSES	1.73	19.64	11.35	4.62	7.66
HORSE BEAN	-	-	-	-	-
FIELD PEA	1.68	19.64	11.69	4.48	7.66
HARICOT BEAN	.05	0.00	0.00	.13	0.00
CHICK PEA	-	-	-	-	-
LENTIL	-	-	-	-	-
VETCH	-	-	-	-	-
TOTAL	37.47	256.42	6.84	100.00	100.00

TABLE 5. ESTIMATES OF AREA, PRODUCTION, YIELD AND PERCENT DISTRIBUTION OF AREA AND PRODUCTION FOR 1989/90 (1982.E.C.) BELG SEASON CROPS FOR PRIVATE HOLDINGS IN BALE.

CROP	AREA (000'HA)	PRODUCTION (000' QT)	YIELD QT/HA	% DISTRIBUTION	
				AREA	PROD.
CEREALS	54.10	359.95	6.65	95.65	98.01
TEFF	4.17	19.19	4.60	7.37	5.23
BARLEY	16.63	85.75	5.16	29.40	23.35
WHEAT	12.80	62.03	4.85	22.63	16.89
MAIZE	15.21	161.23	10.60	26.89	43.90
SORGHUM	1.15	5.55	4.83	2.03	1.51
MILLET	-	-	-	-	-
OATS	4.14	26.21	6.33	7.32	7.14
PULSES	1.42	4.36	3.07	2.51	1.19
HORSE BEAN	.06	.36	6.00	.11	.10
FIELD PEA	.99	2.37	2.39	1.75	.65
HARICOT BEANS	.18	.79	4.39	.32	.22
CHICK PEA	.07	.52	7.43	.12	.14
LENTIL	.12	.31	2.58	.21	.08
VETCH	0.00	0.00	0.00	0.00	0.00
OILSEEDS	1.04	2.93	2.82	1.84	.80
NEUG	.05	.19	3.80	.09	.05
LINSEED	.53	1.30	2.45	.94	.35
FENUGREEK	.45	1.44	3.20	.80	.39
RAPESEED	-	-	-	-	-
TOTAL	56.56	367.24	6.49	100.00	100.00

TABLE.6 ESTIMATES OF AREA, PRODUCTION, YIELD AND PERCENT DISTRIBUTION OF AREA AND PRODUCTION FOR 1989/90 (1982 E.C.) BELG SEASON CROPS FOR PRIVATE HOLDINGS IN NORTH OMO.

CROP	AREA (000 ^v HA)	PRODUCTION (000 ^v QT)	YIELD QT/HA	% DISTRIBUTION	
				AREA	PROD.
CEREALS	87.77	764.15	8.71	96.66	96.90
TEFF	1.64	7.53	4.59	1.81	.95
BARLEY	2.04 + 0.15	13.79	6.76	2.25	1.75
WHEAT	.01	.05	5.00	.01	.01
MAIZE	71.75 + 5.83	684.16	9.54	79.01	86.76
SORGHUM	11.82 + 0.23	54.31	4.59	13.02	6.89
MILLET	.52 + 0.07	4.31	8.29	.57	.55
OATS	-	-	-	-	-
PULSES	3.04	24.46	8.05	3.34	3.10
HORSE BEAN	.01	0.00	0.00	.01	0.00
FIELD PEA	.08 + 0.10	0.00	0.00	.09	0.00
HARICOT BEAN	2.94 + 0.01	24.46	8.32	3.24	3.10
CHICK PEA	-	-	-	-	-
LENTIL	-	-	-	-	-
VETCH	-	-	-	-	-
TOTAL	90.81	788.61	8.68	100.00	100.00

TABLE 8. ESTIMATES OF AREA, PRODUCTION, YIELD AND PERCENT DISTRIBUTION OF AREA AND PRODUCTION FOR 1989/90 (1982 E.C.) BELG SEASON CROPS FOR PRIVATE HOLDINGS IN EAST GOJAM.

CROP	AREA (000' HA)	PRODUCTION (000' QT)	YIELD QT/HA	% DISTRIBUTION	
				AREA	PROD
CEREALS	.32	.33	1.03	100.00	100.00
TEFF	-	-	-	-	-
BARLEY	.32	.33	1.03	100.00	100.00
WHEAT	-	-	-	-	-
MAIZE	-	-	-	-	-
SORGHUM	-	-	-	-	-
MILLET	-	-	-	-	-
OATS	-	-	-	-	-
TOTAL	.32	.33	1.03	100.00	100.00

TABLE 9. ESTIMATES OF AREA, PRODUCTION, YIELD AND PERCENT DISTRIBUTION OF AREA AND PRODUCTION FOR 1989/90 (1982 E.C.) BELG SEASON CROPS FOR PRIVATE HOLDINGS IN WEST GOJAM.

CROP	AREA (000' HA)	PRODUCTION (000' QT)	YIELD QT/HA	% DISTRIBUTION	
				AREA	PROD.
CEREALS	13.00	74.33	5.72	100.00	100.00
TEFF	-	-	-	-	-
BARLEY	12.40 + 0.32	68.53	5.53	95.38	92.20
WHEAT	.02	.09	4.50	.15	.12
MAIZE	.19	.36	1.89	1.46	.48
SORGHUM	-	-	-	-	-
MILLET	-	-	-	-	-
OATS	.39	5.35	13.72	3.00	7.20
TOTAL	13.00	74.33	5.72	100.00	100.00

TABLE 10. ESTIMATES OF AREA, PRODUCTION, YIELD AND PRECENT DISTRIBUTION OF AREA AND PRODUCTION FOR 1989/90 (1982 E.C.) BELG SEASON CROPS FOR PRIVATE HOLDINGS IN NORTH GONDER.

CROP	AREA (000 ³ HA)	PRODUCTION (000 ³ QT)	YIELD QT/HA	% DISTRIBUTION	
				AREA	PROD
CEREALS	4.06	58.21	14.34	100.00	100.00
TEFF	-	-	-	-	-
BARLEY	4.06 ✓	58.21	14.34	100.00	100.00
WHEAT	-	-	-	-	-
MAIZE	-	-	-	-	-
SORGHUM	-	-	-	-	-
MILLET	-	-	-	-	-
OATS	-	-	-	-	-
TOTAL	4.06	58.21	14.34	100.00	100.00

TABLE 11. ESTIMATES OF AREA, PRODUCTION, YIELD AND PERCENT DISTRIBUTION OF AREA AND PRODUCTION FOR 1989/90 (1982 E.C.) BELG SEASON CROPS FOR PRIVATE HOLDINGS IN SOUTH GONDER.

CROP	AREA (000 ³ HA)	PRODUCTION (000 ³ QT)	YIELD QT/HA	% DISTRIBUTION	
				AREA	PROD.
CEREALS	1.68	8.16	4.86	100.00	100.00
TEFF	-	-	-	-	-
BARLEY	1.68 + 4.06	8.16	4.86	100.00	100.00
WHEAT	-	-	-	-	-
MAIZE	-	-	-	-	-
SORGHUM	-	-	-	-	-
MILLET	-	-	-	-	-
OATS	-	-	-	-	-
TOTAL	1.68	8.16	4.86	100.00	100.00

TABLE 12. ESTIMATES OF AREA, PRODUCTION, YIELD AND PERCENT DISTRIBUTION OF AREA AND PRODUCTION FOR 1989/90 (1982 E.C.) BELG SEASON CROPS FOR PRIVATE HOLDINGS IN DIRE DAWA.

CROP	AREA (000' HA)	PRODUCTION (000' QT)	YIELD QT/HA	% DISTRIBUTION	
				AREA	PROD.
CEREALS	.44	2.85	6.63	100.00	100.00
TEFF	-	-	-	-	-
BARLEY	-	-	-	-	-
WHEAT	-	-	-	-	-
MAIZE	.37	2.66	7.19	84.09	93.33
SORGHUM	.07	.19	2.71	15.91	6.67
MILLET	-	-	-	-	-
OATS	-	-	-	-	-
TOTAL	.44	2.85	6.63	100.00	100.00

TABLE 13. ESTIMATES OF AREA, PRODUCTION, YIELD AND PERCENT DISTRIBUTION OF AREA AND PRODUCTION FOR 1989/90 (1982 E.C.) BELG SEASON CROPS FOR PRIVATE HODINGS IN EAST HARARGHE.

CROP	AREA (000' HA)	PRODUCTION (000' QT)	YIELD QT/HA	% DISTRIBUTION	
				AREA	PROD.
CEREALS	10.76	87.38	8.12	100.00	100.00
TEFF	-	-	-	-	-
BARLEY	6.36	37.66	5.92	59.11	43.10
WHEAT	.10	.35	3.50	.93	.40
MAIZE	3.73	41.93	11.24	34.66	47.99
SORGHUM	-	-	-	-	-
MILLET	-	-	-	-	-
OATS	.57	7.44	13.05	5.30	8.51
TOTAL	10.76	87.38	8.12	100.00	100.00

TABLE 14. ESTIMATES OF AREA, PRODUCTION YIELD AND PERCENT DISTRIBUTION OF AREA AND PRODUCTION FOR 1989/90 (1982 E.C.) BELG SEASON CROPS FOR PRIVATE HOLDINGS IN WEST HARARGHE.

CROP	AREA (000 ³ HA)	PRODUCTION (000 ³ QT)	YIELD QT/HA	% DISTRIBUTION	
				AREA	PROD.
CEREALS	14.13	82.70	5.85	98.54	99.36
TEFF	.05	.28	5.60	.35	.34
BARLEY	2.91+6.36	12.24	4.21	20.29	14.71
WHEAT	.39+0.10	2.04	5.23	2.72	2.45
MAIZE	3.73 + 10.51+0.37	66.01	6.28	73.29	79.31
SORGHUM	-0.07	-	-	-	-
MILLET	-	-	-	-	-
OATS	.27+0.57	2.12	7.85	1.88	2.55
PULSES	.21	.53	2.52	1.46	.64
HORSE BEAN	-	-	-	-	-
FIELD PEA	-	-	-	-	-
HARICOT BEANS	.21	.53	2.52	1.46	.64
CHICK PEA	-	-	-	-	-
LENTIL	-	-	-	-	-
VETCH	-	-	-	-	-
TOTAL	14.34	83.23	5.80	100.00	100.00

TABLE 15. ESTIMATES OF AREA, PRODUCTION, YIELD AND PERCENT DISTRIBUTION OF AREA AND PRODUCTION FOR 1989/90 (1982 E.C.) BELG SEASON CROPS FOR PRIVATE HOLDINGS IN GAMBELA.

CROP	AREA (000 ³ HA)	PRODUCTION (000 ³ QT)	YIELD QT/HA	% DISTRIBUTION	
				AREA	PROD.
CEREALS	3.84	11.96	3.11	100.00	100.00
TEFF	-	-	-	-	-
BARLEY	.18	1.16	6.44	4.69	9.70
WHEAT	-	-	-	-	-
MAIZE	3.65	10.65	2.92	95.05	89.05
SORGHUM	.01	.15	15.00	.26	1.25
MILLET	-	-	-	-	-
OATS	-	-	-	-	-
TOTAL	3.84	11.96	3.11	100.00	100.00

TABLE 16. ESTIMATES OF AREA, PRODUCTION, YIELD AND PERCENT DISTRIBUTION OF AREA AND PRODUCTION FOR 1989/90 (1982 E.C.) BELG SEASON CROPS FOR PRIVATE HOLDINGS IN ILLUBABOR.

CROP	AREA (000'HA)	PRODUCTION (000'QT)	YIELD QT/HA	% DISTRIBUTION	
				AREA	PROD.
CEREALS	36.38	510.61	14.04	85.38	95.02
TEFF	-	-	-	-	-
BARLEY	8.54 ^{+0.18}	37.07	4.34	20.04	6.90
WHEAT	-	-	-	-	-
MAIZE	27.84 ^{+3.65}	473.54	17.01	65.34	88.12
SORGHUM	-0.01	-	-	-	-
MILLET	-	-	-	-	-
OATS	-	-	-	-	-
PULSES	6.23 [✓]	26.76	4.30	14.62	4.98
HORSE BEAN	-	-	-	-	-
FIELD PEA	-	-	-	-	-
HARICOT BEAN	6.14	26.29	4.28	14.41	4.89
CHICK PEA	.08	.47	5.88	.19	.09
LENTIL	-	-	-	-	-
VETCH	-	-	-	-	-
TOTAL	42.61 <i>3.80</i> <i>46.45</i>	537.37	12.61	100.00	100.00

TABLE 17. ESTIMATES OF AREA, PRODUCTION, YIELD AND PERCENT DISTRIBUTION OF AREA AND PRODUCTION FOR 1989/90 (1982 E.C.) BELG SEASON CROPS FOR PRIVATE HOLDINGS IN KEFFA.

CROP	AREA (000 ³ HA)	PRODUCTION (000 ³ QT)	YIELD QT/HA	% DISTRIBUTION	
				AREA	PROD.
CEREALS	30.72	340.34	11.08	99.10	99.16
TEFF	.30	1.05	3.50	.97	.31
BARLEY	.54	9.04	16.74	1.74	2.63
WHEAT	0.00	0.00	0.00	0.00	0.00
MAIZE	27.67	322.55	11.66	89.26	93.98
SORGHUM	.01	.10	10.00	.03	.03
MILLET	2.20	7.60	3.45	7.10	2.21
OATS	-	-	-	-	-
PULSES	.28	2.87	10.02	.90	.84
HORSE BEAN	.11	1.56	14.18	.35	.45
FIELD PEA	-	-	-	-	-
HARICOT BEAN	.17	1.31	7.71	.55	.38
CHICK PEA	-	-	-	-	-
LENTIL	-	-	-	-	-
VETCH	-	-	-	-	-
TOTAL	31.00	343.21	11.07	100.00	100.00

TABLE 18. ESTIMATES OF AREA, PRODUCTION, YIELD AND PERCENT DISTRIBUTION OF AREA AND PRODUCTION FOR 1989/90 (1982 E.C.) BELG SEASON CROPS FOR PRIVATE HOLDINGS IN ADDIS ABABA.

CROP	AREA (000 ³ HA)	PRODUCTION (000 ³ QT)	YIELD QT/HA	% DISTRIBUTION	
				AREA	PROD.
CEREALS	4.30	39.67	9.23	100.00	100.00
TEFF	-	-	-	-	-
BARLEY	4.30	39.67	9.23	100.00	100.00
WHEAT	-	-	-	-	-
MAIZE	-	-	-	-	-
SORGHUM	-	-	-	-	-
MILLET	-	-	-	-	-
OATS	-	-	-	-	-
TOTAL	4.30	39.67	9.23	100.00	100.00

TABLE 19. ESTIMATES OF AREA, PRODUCTION, YIELD AND PERCENT DISTRIBUTION OF AREA AND PRODUCTION FOR 1989/90 (1982 E.C.) BELG SEASON CROPS FOR PRIVATE HOLDINGS IN NORTH SHOA.

CROP	AREA (000 ³ HA)	PRODUCTION (000 ³ QT)	YIELD QT/HA	% DISTRIBUTION	
				AREA	PROD.
CEREALS	17.73	238.17	13.43	64.95	88.88
TEFF	- 0.88	-	-	-	-
BARLEY	0.45 + 14.29 + 4.30 = 13.78	183.65	12.85	52.34	68.54
WHEAT	3.44	54.52	15.85	12.60	20.35
MAIZE	2.41 + 2.96	-	-	-	-
SORGHUM	-	-	-	-	-
MILLET	-	-	-	-	-
OATS	-	-	-	-	-
PULSES	9.57	29.79	3.11	35.05	11.11
HORSE BEAN	.04	.18	4.50	.15	.07
FIELD PEA	7.38	19.19	2.60	27.03	7.16
HARICOT BEAN	- 0.70 + 0.16	-	-	-	-
CHICK PEA	-	-	-	-	-
LENTIL	2.15	10.42	4.85	7.88	3.89
VETCH	-	-	-	-	-
TOTAL	27.30	267.96	9.82	100.00	100.00

TABLE 20. ESTIMATES OF AREA, PRODUCTION, YIELD AND PERCENT DISTRIBUTION OF AREA AND PRODUCTION FOR 1989/90(1982 E.C.) BELG SEASON CROPS FOR PRIVATE HOLDINGS IN SOUTH SHOA.

CROP	AREA (000'HA)	PRODUCTION (000'QT)	YIELD QT/HA	% DISTRIBUTION	
				AREA	PROD.
CEREALS	4.24	55.13	13.00	85.83	94.32
TEFF	.83	6.06	7.30	16.80	10.38
BARLEY	.45	4.43	9.84	9.11	7.58
WHEAT	-	-	-	-	-
MAIZE	2.96	44.64	15.08	59.92	76.37
SORGHUM	-	-	-	-	-
MILLET	-	-	-	-	-
OATS	-	-	-	-	-
PULSES	.70	3.32	4.74	14.17	5.68
HORSE BEAN	-	-	-	-	-
FIELD PEA	-	-	-	-	-
HARICOT BEAN	.70	3.32	4.74	14.17	5.68
CHICK PEA	-	-	-	-	-
LENTIL	-	-	-	-	-
VETCH	-	-	-	-	-
TOTAL	4.94	58.45	11.83	100.00	100.00

TABLE 21. ESTIMATES OF AREA, PRODUCTION, YIELD AND PERCENT DISTRIBUTION OF AREA AND PRODUCTION FOR 1989/90 (1982 E.C.) BELG SEASON CROPS FOR PRIVATE HOLDINGS IN WEST SHOA.

CROP	AREA (000'HA)	PRODUCTION (000'QT)	YIELD QT/HA	% DISTRIBUTION	
				AREA	PROD.
CEREALS	6.19	63.90	10.32	97.48	98.90
TEFF	-	-	-	-	-
BARLEY	3.78	16.78	4.44	59.53	25.97
WHEAT	-	-	-	-	-
MAIZE	2.41	47.12	19.55	37.95	72.92
SORGHUM	-	-	-	-	-
MILLET	-	-	-	-	-
OATS	-	-	-	-	-
PULSES	.16	.71	4.44	2.52	1.10
HORSE BEAN	-	-	-	-	-
FIELD PEA	-	-	-	-	-
HARICOT BEAN	.16	.71	4.44	2.52	1.10
CHICK PEA	-	-	-	-	-
LENTIL	-	-	-	-	-
VETCH	-	-	-	-	-
TOTAL	6.35	64.61	10.17	100.00	100.00

TABLE 22. ESTIMATES OF AREA, PRODUCTION, YIELD AND PERCENT DISTRIBUTION OF AREA AND PRODUCTION FOR 1989/90 (1982 E.C.) BELG SEASON CROPS FOR PRIVATE HOLDINGS IN BORENA.

CROP	AREA (000'HA)	PRODUCTION (000'QT)	YIELD QT/HA	% DISTRIBUTION	
				AREA	PROD.
CEREALS	24.83	150.25	6.05	96.02	97.74
TEFF	5.12+0.62	18.66	3.64	19.80	12.14
BARLEY	.74+0.32	2.60	3.51	2.86	1.69
WHEAT	2.49+0.40	10.08	4.05	9.63	6.56
MAIZE	10.68+59.19	85.62	8.02	41.30	55.70
SORGHUM	5.80	33.29	5.74	22.43	21.66
MILLET	-	-	-	-	-
OATS	-	-	-	-	-
PULSES	.86	2.16	2.51	3.33	1.41
HORSE BEAN	-0.37	-	-	-	-
FIELD PEA	-	-	-	-	-
HARICOT BEAN	.76+0.87	1.82	2.39	2.94	1.18
CHICK PEA	.10	.34	3.40	.39	.22
LENTIL	-	-	-	-	-
VETCH	-	-	-	-	-
OIL SEEDS	.17	1.31	7.71	.66	.85
NEUG	-	-	-	-	-
LINSEED	.17	1.31	7.71	.66	.85
FENUGREEK	-	-	-	-	-
RAPESEED	-	-	-	-	-
TOTAL	25.86	153.72	5.95	100.00	100.00

87.64

TABLE 23. ESTIMATES OF AREA, PRODUCTION, YIELD AND PERCENT DISTRIBUTION OF AREA AND PRODUCTION FOR 1989/90 (1982 E.C.) BELG SEASON CROPS FOR PRIVATE HOLDINGS IN SIDAMO.

CROP	AREA (000 ³ HA)	PRODUCTION (000 ³ QT)	YIELD QT/HA	% DISTRIBUTION	
				AREA	PROD.
CEREALS	60.54	310.53	5.13	97.99	95.77
TEFF	.62	3.32	5.35	1.00	1.02
BARLEY	.33	.02	.06	.53	.01
WHEAT	.40	.30	.75	.65	.09
MAIZE	59.19	306.89	5.18	95.81	94.64
SORGHUM	-	-	-	-	-
MILLET	-	-	-	-	-
OATS	-	-	-	-	-
PULSES	1.24	13.73	11.07	2.01	4.23
HORSE BEAN	.37	1.90	5.14	.60	.59
FIELD PEA	-	-	-	-	-
HARICOT BEAN	.87	11.83	13.60	1.41	3.65
CHICK PEA	-	-	-	-	-
LENTIL	-	-	-	-	-
VETCH	-	-	-	-	-
TOTAL	61.78	324.26	5.25	100.00	100.00

TABLE 24. ESTIMATES OF AREA, PRODUCTION, YIELD AND PERCENT DISTRIBUTION OF AREA AND PRODUCTION FOR 1989/90 (1982 E.C.) BELG SEASON CROPS FOR PRIVATE HOLDINGS IN ASSOSA.

CROP	AREA (000 ³ HA)	PRODUCTION (000 ³ QT)	YIELD QT/HA	% DISTRIBUTION	
				AREA	PROD.
CEREALS	7.02	41.29	5.88	98.04	98.29
TEFF	-	-	-	-	-
BARLEY	.17	.79	4.65	2.37	1.88
WHEAT	-	-	-	-	-
MAIZE	6.85	40.50	5.91	95.67	96.41
SORGHUM	-	-	-	-	-
MILLET	-	-	-	-	-
OATS	-	-	-	-	-
PULSES	.14	.72	5.14	1.96	1.71
HORSE BEAN	.08	.65	8.13	1.12	1.55
FIELD PEA	-	-	-	-	-
HARICOT BEAN	.05	.07	1.17	.84	.17
CHICK PEA	-	-	-	-	-
LENTIL	-	-	-	-	-
VETCH	-	-	-	-	-
TOTAL	7.16	42.01	5.87	100.00	100.00

TABLE 25. ESTIMATES OF AREA, PRODUCTION, YIELD AND PERCENT DISTRIBUTION OF AREA AND PRODUCTION FOR 1989/90 (1982 E.C.) BELG SEASON CROPS FOR PRIVATE HOLDINGS IN WELLEGA.

CROP	AREA (000 ³ HA)	PRODUCTION (000 ³ QT)	YIELD QT/HA	% DISTRIBUTION	
				AREA	PROD.
CEREALS	35.97	311.83	8.67	95.08	95.34
TEFF	-	-	-	-	-
BARLEY	10.33 + 0.17	87.32	8.45	27.31	26.70
WHEAT	-	-	-	-	-
MAIZE	25.63 + 6.85	224.48	8.76	67.75	68.64
SORGHUM	-	-	-	-	-
MILLET	-	-	-	-	-
OATS	.01	.03	3.00	.03	.01
PULSES	1.86	15.23	8.19	4.92	4.66
HORSE BEAN	.18 + 0.08	1.26	7.00	.48	.39
FIELD PEA	-	-	-	-	-
HARICOT BEANS	1.68 + 0.06	13.97	8.32	4.44	4.27
CHICK PEA	-	-	-	-	-
LENTIL	-	-	-	-	-
VETCH	-	-	-	-	-
TOTAL	37.83	327.06	8.65	100.00	100.00

7.16
44.99

TABLE 526 ESTIMATES OF AREA, PRODUCTION, YIELD AND PERCENT DISTRIBUTION OF AREA AND PRODUCTION FOR 1989/90 (1982 E.C.) BELG SEASON CROPS FOR PRIVATE HOLDINGS IN NORTH WOLLO.

CROP	AREA	PRODUCTION	YIELD	% DISTRIBUTION	
	(000 ³ HA)	(000 ³ QT)	QT/HA	AREA	PROD.
CEREALS	26.83	339.39	12.65	83.97	88.20
TEFF	7.45	89.31	11.99	23.30	23.21
BARLEY	11.39	148.99	13.08	35.65	38.72
WHEAT	3.03	35.71	11.80	9.47	9.28
MAIZE	.68	6.87	10.04	2.14	1.78
SORGHUM	-	-	-	-	-
MILLET	-	-	-	-	-
OATS	4.28	58.51	13.66	13.41	15.20
PULSES	5.09	45.26	8.89	15.93	11.76
HORSE BEAN	-	-	-	-	-
FIELD PEA	.20	2.16	10.67	.63	.56
HARICOT BEAN	-	-	-	-	-
CHICK PEA	4.47	38.81	8.69	13.98	10.09
LENTIL	.42	4.28	10.18	1.32	1.11
VETCH	-	-	-	-	-
OIL SEEDS	.03	.15	4.75	.10	.04
NEUG	-	-	-	-	-
LINSEED	.03	.15	4.75	.10	.04
FENUGREEK	-	-	-	-	-
RAPESEED	-	-	-	-	-
TOTAL	31.96	384.80	12.04	100.00	100.00

TABLE 27. ESTIMATED AREA, PRODUCTION, YIELD AND PERCENT DISTRIBUTION OF AREA AND PRODUCTION FOR 1989/90 (1982 E.C.) BELG SEASON CROPS FOR PRIVATE HOLDINGS IN SOUTH WOLLO.

CROP	AREA	PRODUCTION	YIELD	% DISTRIBUTION	
	(000' HA)	(000' QT)	QT/HA	AREA	PROD.
CEREALS	29.81	364.93	12.24	83.97	88.20
TEFF	8.27 + 7.45	96.03	11.61	23.30	23.21
BARLEY	12.66 + 11.39	160.20	12.66	35.65	38.72
WHEAT	3.36 + 3.03	38.40	11.42	9.47	9.28
MAIZE	.76 + 0.68	7.38	9.71	2.14	1.78
SORGHUM	-	-	-	-	-
MILLET	-	-	-	-	-
OATS	4.76 + 4.28	62.91	13.22	13.41	15.20
PULSES	5.66	48.67	8.60	15.93	11.76
HORSE BEAN	-	-	-	-	-
FIELD PEA	.23 + 0.20	2.33	10.32	.63	.56
HARICOT BEAN	-	-	-	-	-
CHICK PEA	4.96 + 4.42	41.74	8.41	13.98	10.09
LENTIL	.47 + 0.42	4.60	9.85	1.32	1.11
VETCH	-	-	-	-	-
OIL SEEDS	.03	.16	4.60	.10	.04
NEUG	-	-	-	-	-
LINSEED	.03 + 0.03	.16	4.60	.10	.04
FENUGREEK	-	-	-	-	-
RAPESEED	-	-	-	-	-
TOTAL	35.51	413.76	11.65	100.00	100.00

31.76
67.47

R E F E R E N C E S

1. Agricultural Sample Survey, 1989/90 (1982 E.C.), Results of Area and Production for Privat Holdings, Central Statistical Authority, Addis Ababa, June 1990.

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