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Annexe 1.4

RICE	1988/89	1989/90	1990/91	1991/92	1992/93	1993/94	1994/95	1995/96	1996/97	1997/98	1998/99	1999/00	2000/01
(Units in 000's tons)													
Population	1212	1256	1301	1327	1354	1383	1414	1444	1475	1508	1541	1574	1606
Per capita cons. (Kg/yr)	22.46	25.87	26.14	25.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL SUPPLY	29.38	32.51	36.42	35.21	35.01	35.99	37.69	38.27	37.55	34.61	35.10	0.00	0.00
Domestic Availability	0.00	2.27	2.71	2.83	2.83	2.77	2.90	3.82	2.89	2.66	2.70	0.00	0.00
Opening stocks	0.00	2.27	2.71	2.83	0.00	2.77	2.90	3.82	2.89	2.66	2.70	0.00	0.00
monitored	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.95	0.00	0.00	0.00		
unmonitored		2.27	2.71	2.83	2.83	2.77	2.90	2.87	2.89	2.66	2.70	0.00	0.00
Gross Harvest	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Imports	29.38	30.24	33.71	32.38	32.18	33.22	34.79	34.45	34.66	31.95	32.40	0.00	0.00
Commercial	29.38	30.24	33.71	32.38	32.18	33.22	34.79	34.45	34.66	31.95	32.40		
Food Aid	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
TOTAL UTILIZATION	29.67	35.21	38.90	36.92	0.12	0.15	0.38	0.26	0.27	0.55	0.40	0.00	0.00
Domestic Utilization*	27.23	32.49	34.01	34.00									
Food Use	27.23	32.49	34.01	34.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Feed Use	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Uses & Losses	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Exports	0.17	0.02	2.05	0.09	0.12	0.15	0.38	0.26	0.27	0.55	0.40		
Closing Stocks	2.27	2.71	2.83	2.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Monitored	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
Unmonitored	2.27	2.71	2.83	2.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unbalanced Residual	-0.29	-2.70	-2.48	-1.71	34.89	35.84	37.31	38.02	37.28	34.06	34.70	0.00	0.00
Per capita annual availability of Calories, Protein & Fat													
Per capita cons. (Kg/	22.46	25.87	26.14	25.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Calories/Day	206.18	237.42	239.93	235.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Proteins:G/Day	39.54	45.53	46.01	45.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fats:G/Day	0.54	0.62	0.63	0.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

All **Rice** statistics derived, exports from CSO trade data per calendar year

Rice consumption: Half the popn for 156 days @ 288grams a meal

Food composition source: C.E. West, F. Pepping & C.R. Temalilwa (1988) The composition of foods Commonly eaten in East Africa. Published by Wageningen Agricultural University, Wageningen, Netherlands on behalf of CTA and ECSA.

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ANNEXURES

Annexe1.1

Botswana

	1988/89	1989/90	1990/91	1991/92	1992/93	1993/94	1994/95	1995/96	1996/97	1997/98	1998/99	1999/00	CURRENT 2000/01
MAIZE													
(Units in 000's tons)													
Population	1212	1256	1301	1327	1354	1383	1414	1444	1475	1508	1541	1574	1606
Per capita cons. (Kg/yr)	76.51	91.72	81.34	83.47	100.04	70.38	76.71	90.08	86.97	80.64	87.26	68.43	82.17
TOTAL SUPPLY	130.70	162.40	149.10	142.70	161.50	125.96	133.76	155.75	150.62	135.77	145.15	123.09	5.00
Domestic Availability	32.60	54.80	55.30	53.70	30.90	25.75	35.60	23.59	40.68	28.86	11.34	15.76	5.00
Opening stocks	25.00	35.00	43.50	39.20	27.90	21.50	24.80	21.29	21.17	17.24	10.22	6.41	7.57
monitored	25.00	35.00	43.50	39.20	27.90	21.50	24.80	21.29	21.17	17.24	10.22	6.41	7.57
unmonitored	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gross Harvest	7.60	19.80	11.80	14.50	3.00	4.25	10.80	2.30	19.51	11.62	1.12	9.35	5.00
Imports	98.10	107.60	93.80	89.00	130.60	100.21	98.16	132.16	109.94	106.91	133.81	107.33	0.00
Commercial	98.10	107.60	89.80	89.00	127.60	96.91	98.16	132.16	109.94	106.91	133.81	107.33	
Food Aid	0.00	0.00	4.00	0.00	3.00	3.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL UTILIZATION	130.70	162.40	149.10	142.70	161.50	125.96	133.76	155.75	150.62	135.77	145.16	118.72	136.19
Domestic Utilization	95.70	118.89	109.21	114.31	139.79	100.45	111.94	134.23	132.39	125.50	138.75	111.15	136.19
Food Use	92.73	115.20	105.82	110.77	135.46	97.34	108.47	130.07	128.29	121.61	134.46	107.70	131.97
Feed Use	0.96	1.19	1.09	1.14	1.40	1.00	1.12	1.34	1.32	1.26	1.39	1.11	1.36
Other Uses & Losses	2.01	2.50	2.29	2.40	2.94	2.11	2.35	2.82	2.78	2.64	2.90	2.33	2.86
Exports	0.00	0.01	0.69	0.49	0.21	0.71	0.53	0.35	0.99	0.05	0.00	0.00	0.00
Closing Stocks	35.00	43.50	39.20	27.90	21.50	24.80	21.29	21.17	17.24	10.22	6.41	7.57	0.00
Monitored	35.00	43.50	39.20	27.90	21.50	24.80	21.29	21.17	17.24	10.22	6.41	7.57	
Unmonitored	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unbalanced Residual	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	4.37	-131.19
Per capita annual availability of Calories, Protein & Fat													
Per capita cons. (Kg/	76.51	91.72	81.34	83.47	100.04	70.38	76.71	90.08	86.97	80.64	87.26	68.43	82.17
Calories/Day	723.20	866.97	768.84	788.98	945.60	665.24	725.08	851.40	822.08	762.24	824.75	646.78	776.69
Proteins:G/Day	186.25	223.28	198.00	203.19	243.52	171.32	186.73	219.26	211.71	196.30	212.40	166.57	200.03
Fats:G/Day	21.43	25.69	22.78	23.38	28.02	19.71	21.49	25.23	24.36	22.59	24.44	19.17	23.02

Food composition source: C.E. West, F. Pepping & C.R. Temalilwa (1988) The composition of foods Commonly eaten in East Africa. Published by Wageningen Agricultural University, Wageningen, Netherlands on behalf of CTA and ECSA.

Source: National Early Warning System (1988/2001), Ministry of Agriculture, Botswana, 2001

Annexe 1.2

WHEAT	1988/89	1989/90	1990/91	1991/92	1992/93	1993/94	1994/95	1995/96	1996/97	1997/98	1998/99	1999/00	2000/01
(Units in 000's tons)													
Population	1212	1256	1301	1327	1354	1383	1414	1444	1475	1508	1541	1574	1606
Per capita cons. (Kg/yr)	36.51	47.99	42.16	50.75	52.91	48.77	51.20	44.91	42.83	56.80	17.29	51.57	0.00
TOTAL SUPPLY	69.27	77.00	83.30	97.00	105.30	95.90	95.51	96.79	94.90	110.52	103.33	113.42	0.00
Domestic Availability	10.00	23.60	14.80	26.70	27.50	31.20	26.30	20.79	29.83	29.71	22.07	62.26	0.00
Opening stocks	10.00	23.60	14.80	26.70	27.50	31.20	26.30	20.79	29.83	29.71	22.07	62.26	28.35
monitored	10.00	23.60	14.80	26.70	27.50	31.20	26.30	20.79	29.83	29.71	22.07	62.26	28.35
unmonitored	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gross Harvest	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Imports	59.27	53.40	68.50	70.30	77.80	64.70	69.21	76.00	65.07	80.81	81.26	51.16	0.00
Commercial	59.27	53.40	68.50	70.30	77.80	64.70	69.21	76.00	65.07	80.81	81.26	51.16	
Food Aid													
TOTAL UTILIZATION	69.27	77.00	83.30	97.00	105.30	95.90	95.51	96.79	94.90	110.51	103.33	113.42	0.00
Domestic Utilization	45.67	62.20	56.60	69.50	73.93	69.60	74.72	66.92	65.19	88.40	27.50	83.77	
Food Use	44.25	60.27	54.85	67.35	71.64	67.44	72.40	64.85	63.17	85.66	26.64	81.18	0.00
Feed Use	0.46	0.62	0.57	0.70	0.74	0.70	0.75	0.67	0.65	0.88	0.27	0.84	0.00
Other Uses & Losses	0.96	1.31	1.19	1.46	1.55	1.46	1.57	1.41	1.37	1.86	0.58	1.76	0.00
Exports	0.00	0.00	0.00	0.00	0.17	0.00	0.00	0.04	0.00	0.04	13.57	1.30	
Closing Stocks	23.60	14.80	26.70	27.50	31.20	26.30	20.79	29.83	29.71	22.07	62.26	28.35	0.00
Monitored	23.60	14.80	26.70	27.50	31.20	26.30	20.79	29.83	29.71	22.07	62.26	28.35	
Unmonitored													
Unbalanced Residual	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Per capita annual availability of Calories, Protein & Fat													
Per capita cons. (Kg/y)	36.51	47.99	42.16	50.75	52.91	48.77	51.20	44.91	42.83	56.80	17.29	51.57	0.00
Calories/Day	330.12	433.86	381.14	458.84	478.35	440.89	462.95	406.01	387.20	513.55	156.31	466.28	0.00
Proteins:G/Day	108.53	142.64	125.31	150.85	157.27	144.95	152.20	133.48	127.30	168.84	51.39	153.30	0.00
Fats:G/Day	5.35	7.03	6.18	7.44	7.76	7.15	7.51	6.58	6.28	8.33	2.53	7.56	0.00

Food composition source: C.E. West, F. Pepping & C.R. Temalilwa (1988) The composition of foods Commonly eaten in East Africa. Published by Wageningen Agricultural University, Wageningen, Netherlands on behalf of CTA and ECSA.

Source: *National Early Warning System (1988/2001)*, Ministry of Agriculture, Botswana, 2001

Annexe 1.3

Current

SORGHUM	1988/89	1989/90	1990/91	1991/92	1992/93	1993/94	1994/95	1995/96	1996/97	1997/98	1998/99	1999/00	2000/01
(Units in 000's tons)													
Population	1212	1256	1301	1327	1354	1383	1414	1444	1475	1508	1541	1574	1606
Per capita cons. (Kg/yr)	69.75	37.45	53.33	50.14	48.44	36.50	45.88	59.10	76.13	28.01	24.01	27.91	0.00
TOTAL SUPPLY	160.33	127.96	117.60	86.80	99.00	82.07	95.29	120.22	121.37	52.57	61.33	43.95	0.00
Domestic Availability	128.20	127.90	117.60	80.30	37.50	48.67	70.59	39.43	107.53	21.31	17.56	34.46	0.00
Opening stocks	31.00	73.00	77.80	46.00	16.50	30.60	29.90	26.97	26.64	4.50	8.30	23.14	19.53
monitored	31.00	73.00	77.80	46.00	16.50	30.60	29.90	26.97	26.64	4.50	8.30	23.14	19.53
unmonitored	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gross Harvest	97.20	54.90	39.80	34.30	21.00	18.07	40.69	12.46	80.89	16.81	9.26	11.32	
Imports	32.13	0.06	0.00	6.50	61.50	33.40	24.70	80.79	13.84	31.26	43.77	9.49	0.00
Commercial	21.10	0.06	0.00	6.50	57.40	29.40	18.80	73.59	12.75	31.26	43.77	9.49	
Food Aid	11.03	0.00	0.00	0.00	4.10	4.00	5.90	7.20	1.09	0.00	0.00	0.00	
TOTAL UTILIZATION	160.33	127.96	117.60	86.81	99.00	82.07	95.29	120.22	121.37	52.57	61.32	46.37	0.00
Domestic Utilization	87.24	48.54	71.60	68.67	67.69	52.10	66.95	88.07	115.88	43.59	38.18	45.33	
Food Use	84.54	47.04	69.38	66.54	65.59	50.48	64.87	85.34	112.29	42.24	37.00	43.92	0.00
Feed Use	0.87	0.49	0.72	0.69	0.68	0.52	0.67	0.88	1.16	0.44	0.38	0.45	0.00
Other Uses & Losses	1.83	1.02	1.50	1.44	1.42	1.09	1.41	1.85	2.43	0.92	0.80	0.95	0.00
Exports	0.09	1.62	0.00	1.64	0.71	0.07	1.37	5.51	0.99	0.68	0.00	0.00	
Closing Stocks	73.00	77.80	46.00	16.50	30.60	29.90	26.97	26.64	4.50	8.30	23.14	1.04	0.00
Monitored	73.00	77.80	46.00	16.50	30.60	29.90	26.97	26.64	4.50	8.30	23.14	1.04	
Unmonitored	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Unbalanced Residual	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	-2.42	0.00
Per capita annual availability of Calories, Protein & Fat													
Per capita cons. (Kg)	69.75	37.45	53.33	50.14	48.44	36.50	45.88	59.10	76.13	28.01	24.01	27.91	0.00
Calories/Day	659.27	353.96	504.06	473.96	457.88	345.04	433.66	558.61	719.56	264.75	226.93	263.77	0.00
Proteins:G/Day	198.68	106.67	151.91	142.84	137.99	103.98	130.69	168.35	216.85	79.79	68.39	79.49	0.00
Fats:G/Day	17.42	9.35	13.32	12.52	12.10	9.12	11.46	14.76	19.01	7.00	6.00	6.97	0.00

Food composition source: C.E. West, F. Pepping & C.R. Temalilwa (1988) The composition of foods Commonly eaten in East Africa. Published by Wageningen Agricultural University, Wageningen, Netherlands on behalf of CTA and ECSA.

Source: National Early Warning System (1988/2001), Ministry of Agriculture, Botswana, 2001