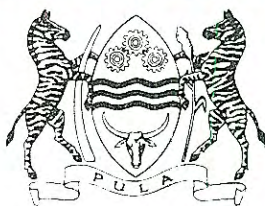




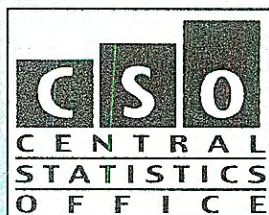
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PREFACE

The 2001 Annual Agricultural Survey report is one of a series of annual surveys carried out by Agricultural Statistics Unit (ASU) of the Central Statistics Office (CSO). This report should have been published after the 2000 Annual Agricultural Survey report. This has not been possible because of circumstances beyond the unit control. Plans are underway to analyse the data.

It is worth noting that this report entails data on the traditional sector only. Data on the commercial sector was not analysed because of a very low response rate. Efforts by the unit to increase the response rate through follow-ups were hampered by shortage of transport.

Though CSO attaches great importance to timely release of statistical publication, it is regrettable that this report is released late. Nevertheless, I am grateful to all those involved, in particular ASU for having worked tirelessly within limited resources to have agricultural statistics released.

My sincere gratitude goes to the farmers at large for their invaluable time and patience during data collection as well as enumerators, data entry personnel and all those who worked tirelessly towards the production of this report.



A. Majelantle
Government Statistician

September 2003

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ANALYSIS OF RESULTS

Tables 2.2 and 2.3 show summary statistics for 1999 and 2001 annual agricultural surveys for livestock and crops respectively, and as such comparisons would be made based on the two crop years. Also note that comparisons are based on traditional sector alone since it's the only available data.

The 2001 annual agricultural survey results show that agricultural holdings\ farms decreased by 10.0 percent from 123,791 in 1999 to 111,245 in 2001. Cattle holdings\ farms decreased slightly by 1.3 percent but with an insignificant increase of 0.1 percent in cattle population.

Goat holdings\ farms decreased by 11.9 percent with a slight decrease of 0.8 percent in goat population between 1999 and 2001 crop years. Sheep holdings\ farms decreased by 9.3 percent and sheep population significantly decreased by 14.3 percent.

Other livestock holdings\ farms such as donkeys, chickens, dogs and pigs decreased by 3.7, 4.2, 8.3 and 15.8 percent respectively while holdings\ farms for horses increased by 3.1 percent.

Crop holdings\ farms dropped by 57.7 percent between 1999 and 2001 crop years, while total area planted and area harvested dropped by 67.4 percent and 48.3 percent respectively. On the other hand crop production increased by 8.8 percent while the yield per hectare planted increased from 56kg to 187kg.

LIVESTOCK

Cattle

Cattle holdings\ farms slightly decreased by 1.3 percent from 66,962 in 1999 to 66,113 in 2001, while cattle population increased insignificantly by 0.1 percent, from 2.467 million to 2.468 million.

Cattle mortality decreased from 7.9 percent in 1999 to 4.9 percent in 2001, while birth rate increased from 54.0 percent to 55.5 percent during the same period.

Cattle sold decreased by 23.6 percent, from 236,627 in 1999 to 180,847 in 2001. Cattle slaughtered for home consumption increased by 23.8 percent, from 22,632 in 1999 to 28,018 in 2001 while cattle purchased decreased by 15.5 percent, from 23,172 to

19,582 during the same period, leading to a negative impact on off take rate of 19.8 percent. This might imply that farmers choose to slaughter their cattle, with small purchases, and more cattle being kept in the kraal than being sold out.

Goats

Total goat holdings\ farms decreased by 11.9 percent from 92,330 in 1999 to 81,316 in 2001. However, goat population decreased insignificantly by 0.8 percent from 1.901 million to 1.887 million during the same period.

Goats' birth rate decreased from 45.5 percent in 1999 to 43.8 percent in 2001, while death rate decreased from 37.4 percent to 17.7 percent during the same period.

Goats sold decreased by 14.7 percent from 87,148 to 74,374 between 1999 and 2001. Goats slaughtered for home consumption decreased by 23.5 percent while those purchased increased by 138.4 percent, resulting in a negative impact on off take rate of 36.2 percent.

Sheep

Total sheep holdings\ farms decreased by 9.3 percent from 25,382 in 1999 to 23,011 in 2001, while sheep population decreased by 14.3 percent from 357,649 to 306,337 during the same period. Sheep birth rate decreased from 41.9 percent to 33.4 percent, while death rate decreased from 28.3 percent to 17.7 percent between 1999 and 2001.

Sale of sheep decreased by 8.3 percent from 11,903 in 1999 to 10,912 in 2001. Total purchases increased significantly by 106.2 percent from 3,196 to 6,590. Sheep slaughtered for home consumption increased by 4.9 percent from 12,288 to 12,886 during the same period, leading to a negative impact on off take rate of 18.0 percent.

Other Livestock

Total number of holdings\ farms for donkeys\ mules, chickens and pigs decreased by 3.7, 4.2 and 15.8 percent respectively between 1999 and 2001 while horses holdings\ farms increased slightly by 3.1 percent. On the other hand, donkeys\ mules, horses, chickens and pigs population increased by 10.9, 1.3, 6.7 and 32.3 percent respectively.

CROPS

Sorghum

Sorghum crop farms decreased significantly by 70.8 percent, from 60,378 in 1999 to 17,631 in 2001. Area planted decreased by 79.6 percent, from 113,549 hectares to 23,203 hectares while area harvested decreased by 70.3 percent, from 45,223 hectares to 13,409 hectares. Similarly, sorghum production decreased significantly by 70.4 percent, from 5,354 metric tonnes to 1,583 metric tonnes. Yield per hectare planted increased by 44.7 percent from 47kg to 68kg.

Maize

Maize crop farms decreased by 59.8 percent between 1999 and 2001 crop years. Area planted decreased by 61.3 percent, from 123,147 hectares to 47,635 hectares while area harvested decreased by 26.4 percent from 33,943 hectares to 24,977 hectares. Maize production increased by 32.6 percent, from 3,752 metric tonnes to 4,976 metric tonnes, while yield per hectare planted increased from 30 kg to 104 kg during the same period.

Millet

Millet crop farms decreased by 54.2 percent, from 12,433 in 1999 to 5,697 in 2001. Area planted dropped by 57.6 percent from 7,907 hectares to 3,352 hectares while area harvested dropped by 64.7 percent from 4,848 hectares to 1,709 hectares. Millet production dropped by 45.1 percent, from 860 metric tonnes to 472 metric tonnes.

Beans/Pulses

Pulses crop farms dropped by 58.5 percent, from 60,393 to 25,093 between 1999 and 2001 crop years. Area planted dropped by 61.2 percent from 37,906 hectares to 14,699 hectares, while area harvested dropped by 24.0 percent from 10,852 hectares to 8,251 hectares between 1999 and 2001 crop years. Pulses production dropped by 4.9 percent from 1,346 metric tonnes to 1,280 metric tonnes. Yield per hectare planted increased from 36kg to 87kg during the same period.

Groundnuts and Sunflower

Area planted for groundnuts dropped by 50.9 percent, from 2,983 hectares to 1,464 hectares, while area harvested dropped by 49.1 percent from 1,033 hectares to 526 hectares between 1999 and 2001 crop years. Similarly, the production of groundnuts dropped by 32.3

percent, from 217 metric tonnes to 147 metric tonnes. Yield per hectare planted increased from 73kg to 100kg.

Sunflower production increased significantly by over four folds, from 27 metric tonnes to 150 metric tonnes. Area planted increased by 147.3 percent, from 389 hectares to 962 hectares while area harvested increased by over two folds, from 225 hectares to 734 hectares. Yield per hectare planted increased from 69kg to 156kg during the same period.

TABLE 1.1 LIVESTOCK POPULATION: CATTLE, GOATS, SHEEP, DONKEYS, HORSES, CHICKEN AND PIGS ('000)

YEAR	CATTLE	GOATS	SHEEP	DONKEYS	HORSES	CHICKEN	PIGS
1979	2,840	616	152	127	18	740	6
1980	2,911	638	149	130	22	833	6
1981	2,967	621	140	127	24	1,046	5
1982	2,979	636	140	138	24	1,146	5
1983	2,818	783	165	142	23	961	5
1984	2,685	889	167	139	23	714	7
1985	2,459	1,138	200	146	23	1,020	9
1986	2,332	1,332	229	142	24	1,179	11
1987	2,264	1,470	240	147	24	1,283	11
1988	2,408	1,691	259	150	28	1,810	13
1989	2,543	1,897	286	151	32	2,013	15
1990	2,696	2,092	317	158	34	2,126	16
1993	1,821	1,838	250	231	31	1,077	4
1995	2,530	2,624	337	303	35	3,157	1
1996	2,249	2,205	349	336	5	1,355	3
1997	2,212	2,615	409	404	7	1,191	2
1998	2,345	2,199	393	400	8	776	4
1999	2,581	1,916	369	373	5	874	4
2001	2,468	1,887	306	409	5	928	5

Figures for 1991-1992, 1994 not available. 2000 data not yet finalised

Figure 1.1 Trends of Selected Livestock Population

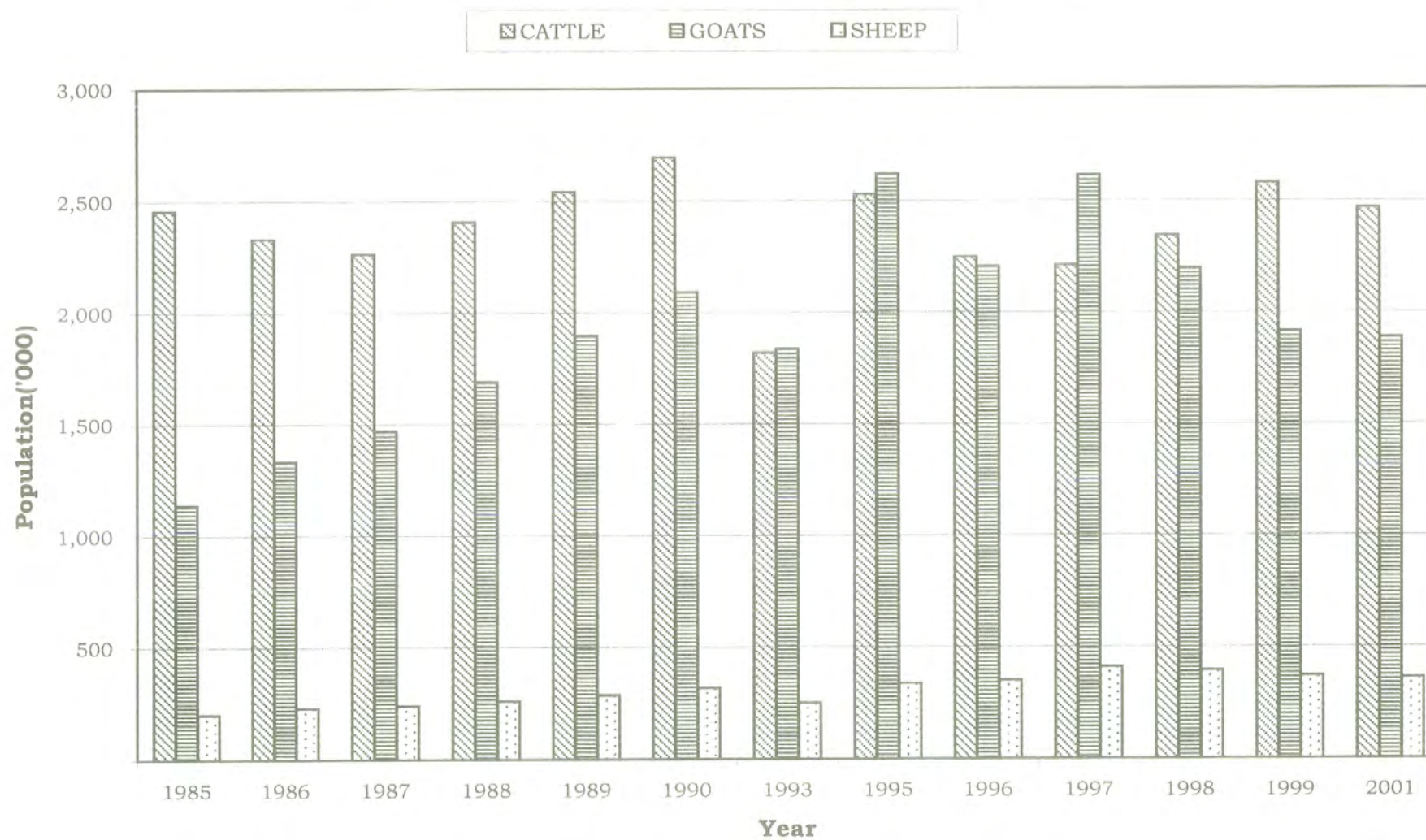


TABLE 1.2 TRADITIONAL SECTOR: LIVESTOCK (CATTLE, GOATS SHEEP): BIRTH RATE, DEATH RATES AND OFFTAKE RATES

YEAR	CATTLE			GOATS			SHEEP		
	BIRTHS	DEATHS	OFFTAKE	BIRTHS	DEATHS	OFFTAKE	BIRTHS	DEATHS	OFFTAKE
1979	59.0	9.8	10.2	70.3	45.3	9.4	50.9	36.1	8.6
1980	59.2	12.4	7.9	84.6	36.7	7.8	65.7	35.4	18.1
1981	57.9	12.2	8.1	80.1	31.4	7.1	57.0	24.0	8.9
1982	59.2	15.2	8.1	79.8	27.5	8.5	66.5	34.6	8.2
1983	51.6	16.1	10.2	94.3	24.8	7.0	68.8	23.6	12.1
1984	52.5	17.8	9.6	85.7	26.9	7.6	65.7	24.4	12.8
1985	53.4	20.1	12.8	87.2	22.1	6.5	66.9	21.0	13.1
1986	55.8	20.3	9.4	86.0	19.5	6.9	68.3	15.2	5.7
1987	55.8	21.2	8.4	81.5	21.9	7.7	64.6	17.2	7.1
1988	67.7	14.1	8.3	87.8	20.8	9.8	65.4	19.6	9.7
1989	64.1	11.8	9.5	82.1	20.4	12.0	73.6	19.4	11.7
1990	65.0	11.5	9.7	76.5	20.6	11.9	78.4	21.8	12.4
1993	57.0	32.0	10.2	95.6	38.4	9.8	76.0	36.4	8.0
1995	61.0	14.3	7.4	43.7	18.6	6.5	35.0	17.2	6.2
1996	58.4	4.9	7.8	43.3	22.7	7.7	32.2	13.8	6.7
1997	54.6	4.3	11.8	42.7	23.6	6.8	32.8	16.6	6.6
1998	59.9	6.1	6.3	46.4	30.6	9.0	37.9	19.5	5.4
1999	54.0	7.9	9.6	45.5	37.4	8.8	41.9	28.3	5.9
2001	55.5	4.9	7.7	43.8	17.7	5.7	33.4	14.9	5.6

Figures for 1991-1992, 1994 not available. 2000 data not yet finalised

Figure 1.2 Cattle: Births Deaths and Offtake Rates

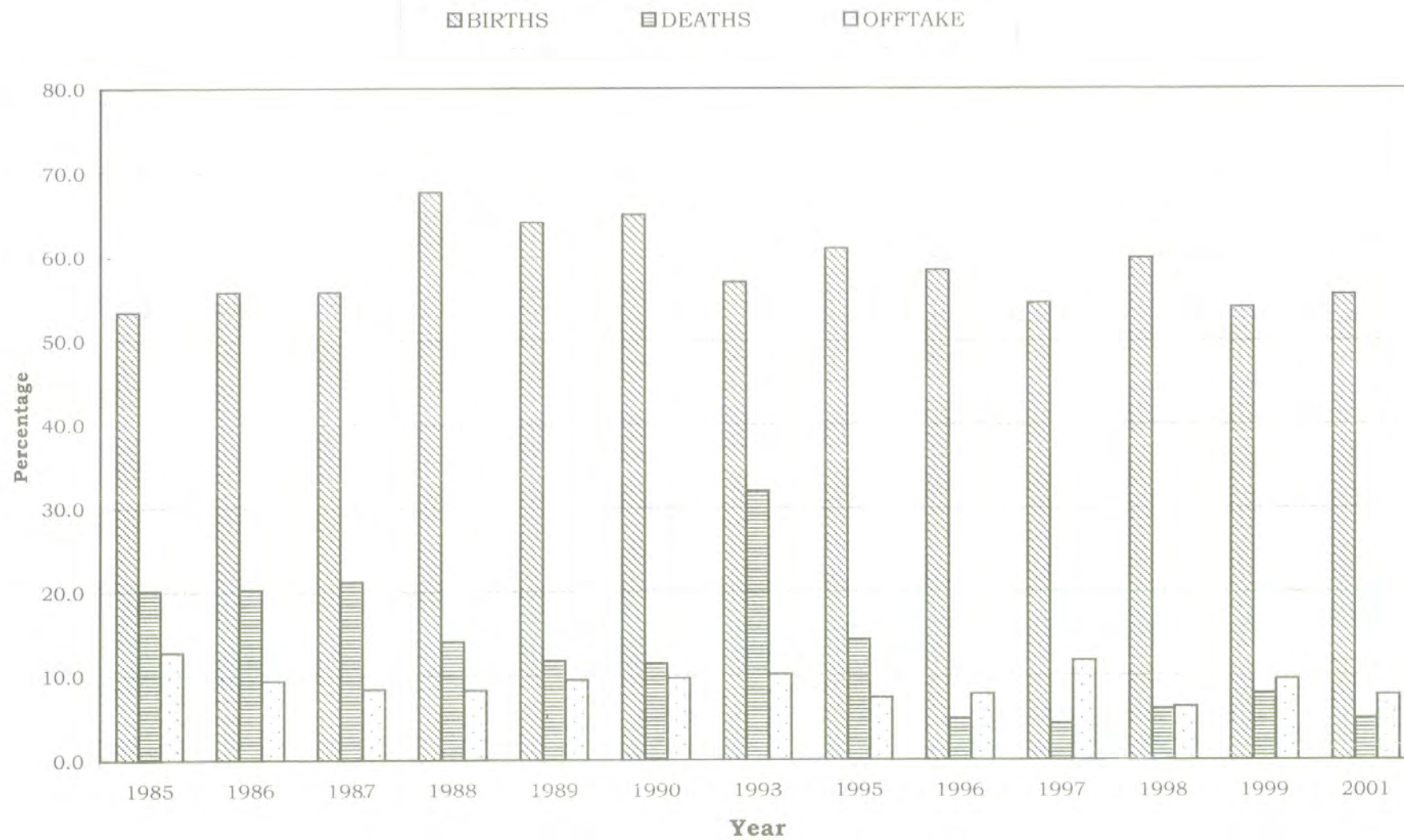


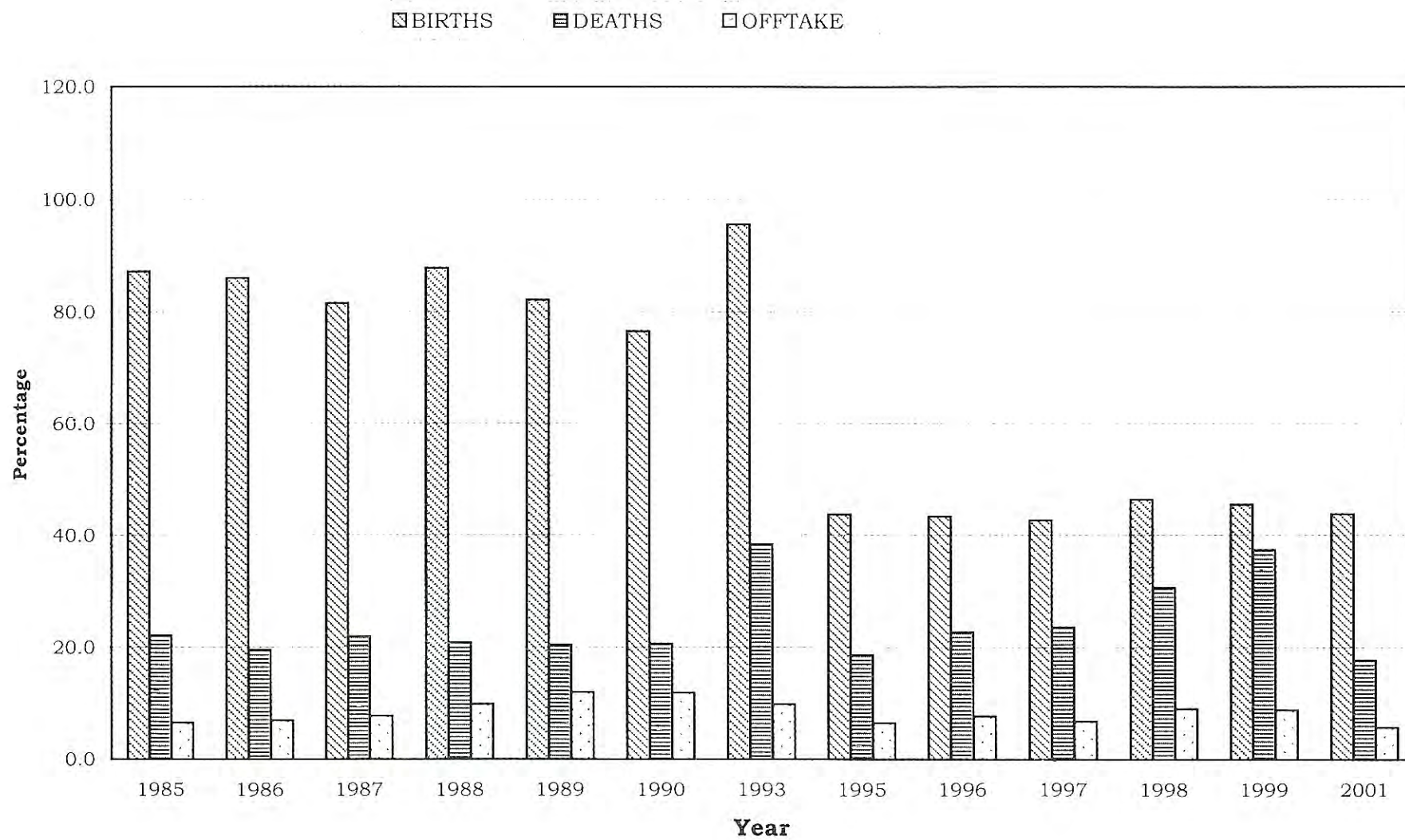
Figure 1.3 Goats: Births Deaths and Offtake Rates

Figure 1.4 Sheep: Births Deaths and Offtake Rates

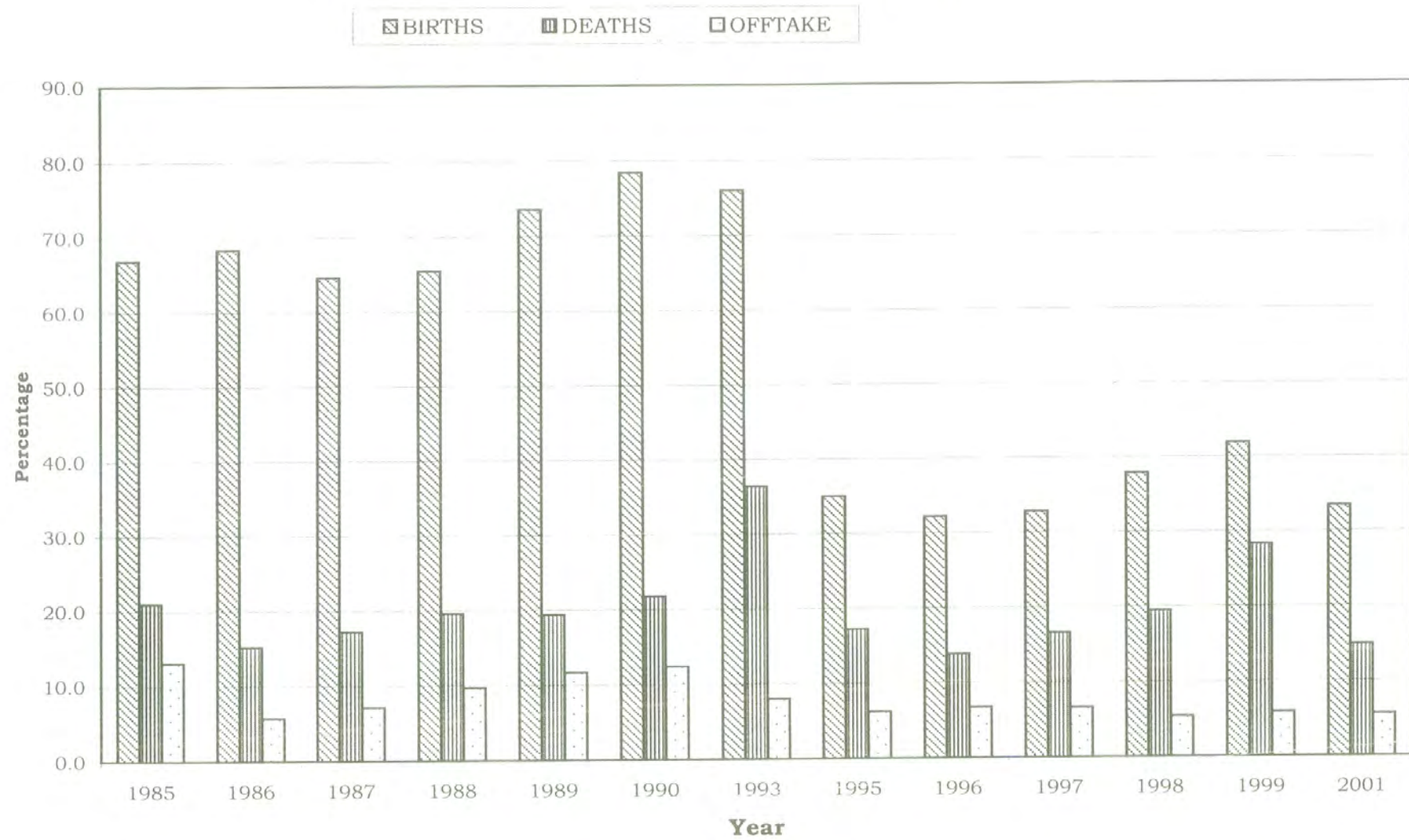


TABLE 1.3 TRADITIONAL : AREA PLANTED BY CROP ('000 HECTARES)

YEAR	SORGHUM	MAIZE	MILLET	PULSES	SUNFLOWER	GROUNDNUTS	OTHER CROPS	TOTAL
1979	68	52	13	27	6	4	10	180
1980	147	80	17	24	7	5	7	287
1981	141	87	20	26	3	5	8	290
1982	93	64	16	20	2	2	7	204
1983	126	61	17	22	1	1	1	229
1984	114	48	17	17	2	4	1	203
1985	125	49	16	15	3	2	1	211
1986	161	44	18	16	1	2	1	243
1987	210	46	14	16	1	2	1	290
1988	279	54	13	18	1	1	1	367
1989	266	88	20	30	1	2	2	409
1990	206	80	12	20	1	2	3	324
1993	144	85	15	27	3	2	2	278
1995	166	86	11	26	4	1	4	298
1996	191	134	11	36	0	2	5	379
1997	154	117	11	77	1	5	3	368
1998	65	88	9	32	0	11	3	208
1999	114	123	8	38	0	3	3	289
2001	23	48	3	15	1	1	3	94

Figures for 1991-1992, 1994 not available. 2000 data not yet finalised

Figure 1.5 Traditional: Area Planted by Crop



TABLE 1.4 TRADITIONAL : AREA HARVESTED BY CROP ('000 HECTARES)

YEAR	SORGHUM	MAIZE	MILLET	PULSES	SUNFLOWER	GROUNDNUTS	OTHER CROPS	TOTAL
1979	43	21	8	14	5	2	7	100
1980	131	47	14	13	7	4	3	218
1981	123	59	13	15	3	4	5	222
1982	37	24	4	4	2	1	4	76
1983	35	20	6	3	1	1	1	66
1984	49	3	8	3	1	2	1	67
1985	83	8	10	3	1	1	0	106
1986	97	9	10	5	0	1	1	123
1987	114	5	6	3	0	1	1	130
1988	244	33	9	11	1	1	2	300
1989	201	52	12	17	1	1	1	284
1990	153	41	9	12	1	1	1	217
1993	66	22	11	9	1	1	0	110
1995	106	20	7	10	5	1	3	152
1996	164	100	9	25	0	1	2	301
1997	64	79	8	34	1	4	1	191
1998	27	24	5	13	0	9	0	78
1999	45	34	5	11	0	1	1	97
2001	13	25	2	8	1	1	1	51

Figures for 1991-1992, 1994 not available. 2000 data not yet finalised

Figure 1.6 Traditional: Area Harvested by Crop

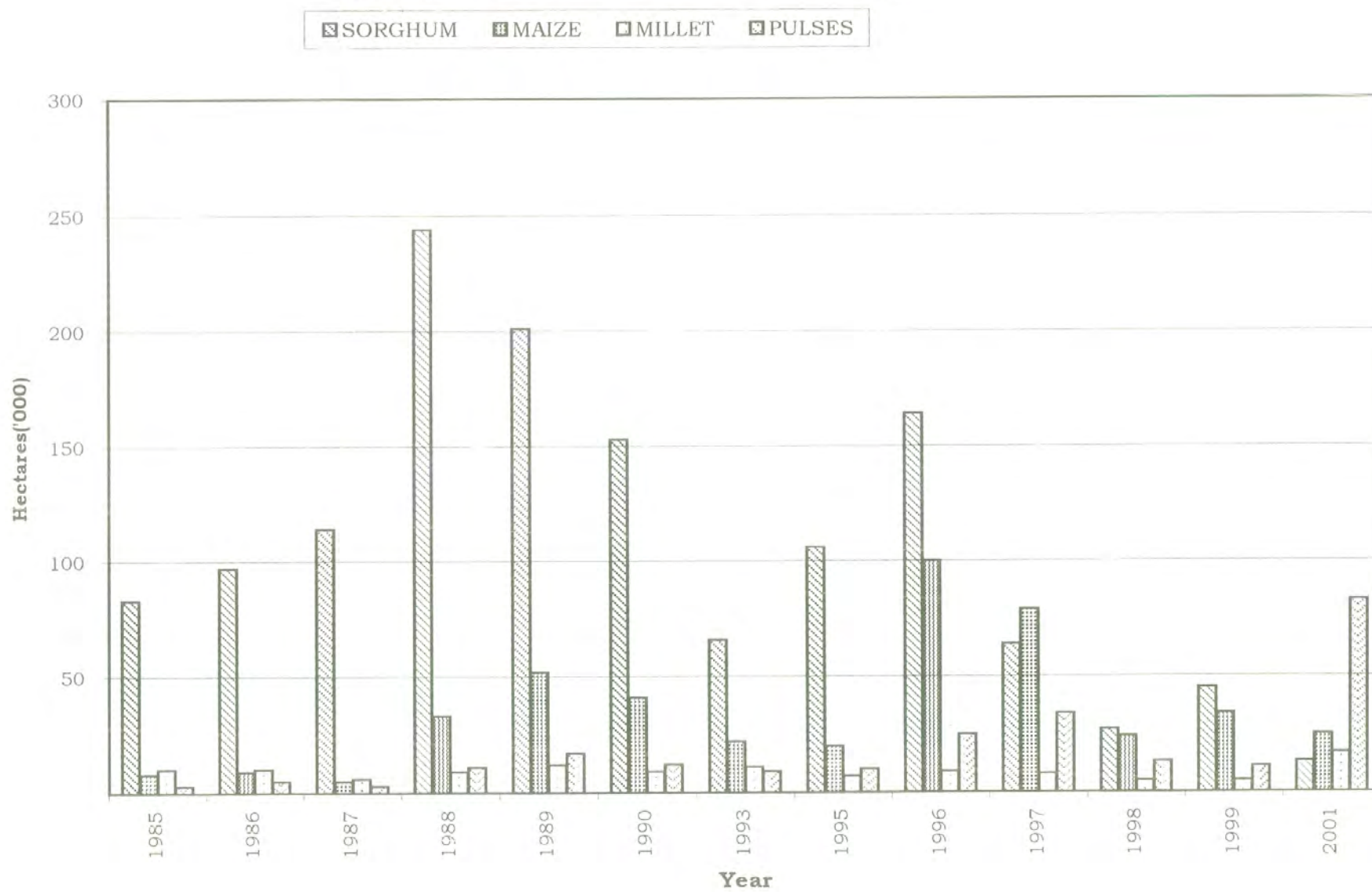


TABLE 1.5 TOTAL PRODUCTION BY CROP (METRIC TONNES)

YEAR	SORGHUM	MAIZE	MILLET	PULSES	SUNFLOWER	GROUNDNUTS	OTHER CROPS	TOTAL
1979	5,000	3,000	1,000	1,000	900	200	11,100	22,200
1980	29,000	12,000	3,000	2,000	1,400	1,400	48,800	97,600
1981	28,000	22,000	2,000	3,000	1,200	2,000	58,200	116,400
1982	4,000	13,000	500	500	7,000	300	19,000	44,300
1983	5,000	9,000	500	300	200	800	15,800	31,600
1984	6,000	500	700	400	400	600	8,600	17,200
1985	15,000	1,500	1,800	400	500	800	20,000	
1986	16,000	3,600	1,300	600	200	200	21,900	
1987	18,000	3,300	400	100	100	100	22,000	
1988	94,000	7,300	3,700	2,300	200	200	107,700	215,400
1989	53,000	20,000	2,000	2,500	200	500	78,200	156,400
1990	38,200	12,000	1,700	2,000	240	540	54,680	109,360
1993	10,797	2,976	1,624	530	113	126	423	16,589
1995	113,547	18,953	19,390	10,181	962	951	12,061	176,045
1996	59,200	24,629	2,508	3,914	39	551	8,376	99,217
1997	13,450	22,647	1,357	4,467	444	1,040	10,133	53,538
1998	3,560	2,233	507	1,190	7	119	1,755	9,371
1999	5,354	3,752	860	1,346	27	217	4,588	16,144
2001	1,583	4,976	472	1,280	150	147	8,962	17,570

Figures for 1991-1992, 1994 not available. 2000 data not yet finalised

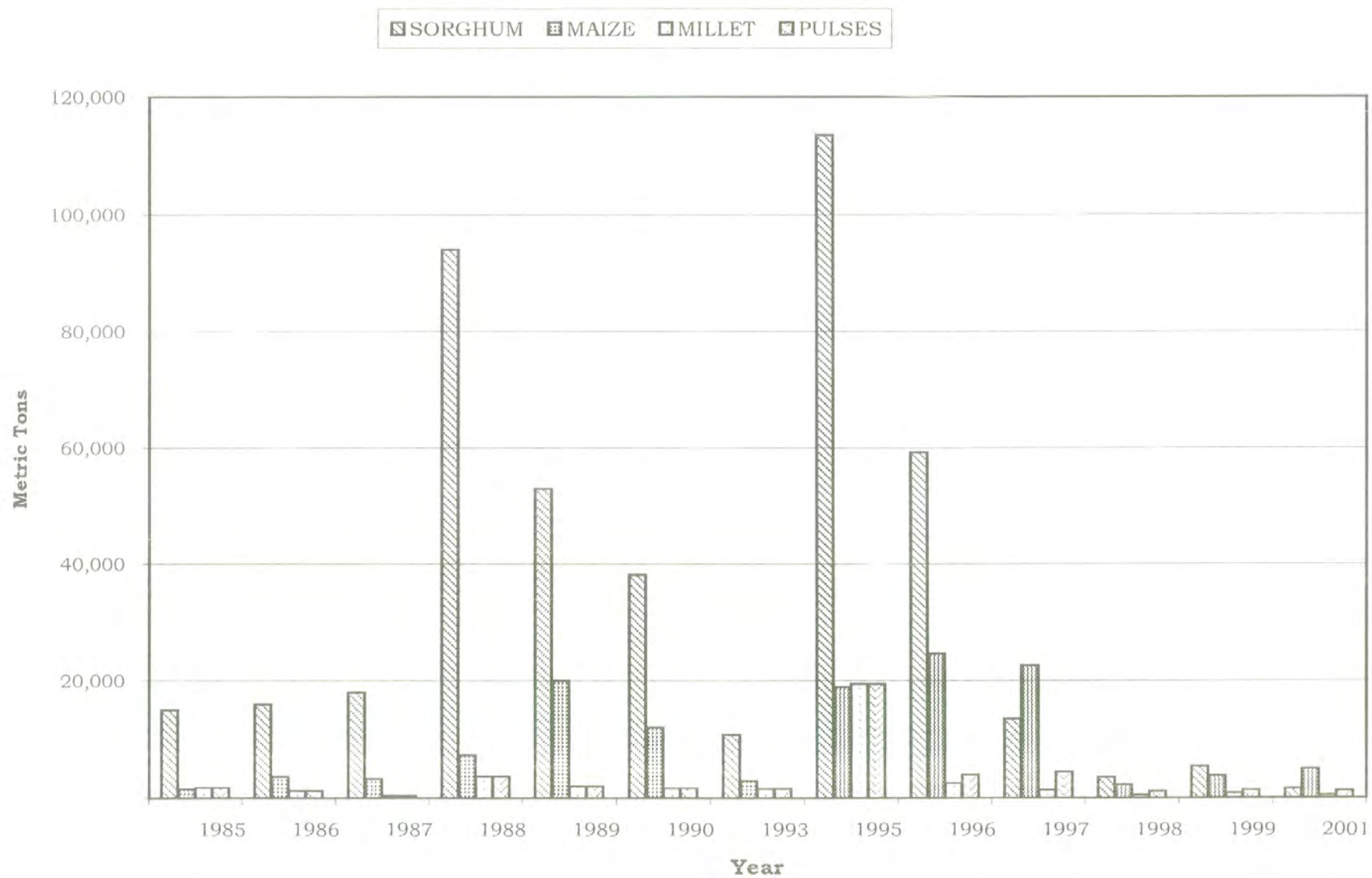
Figure 1.7 Traditional: Total Production by Crop

TABLE 1.6 TRADITIONAL SECTOR: AVERAGE CROP YIELD (KG/HA)PER HECTARE PLANTED BY CROP AND YEAR

YEAR	SORGHUM	MAIZE	MILLET	PULSES	SUNFLOWER	GROUNDNUTS	OTHER CROPS
1979	74	58	77	37	150	50	65
1980	197	150	176	83	200	280	174
1981	199	253	100	115	400	400	206
1982	43	203	31	25	350	150	96
1983	40	148	29	14	200	800	69
1984	53	10	41	24	200	150	43
1985	120	31	113	27	167	400	95
1986	99	82	74	33	211	129	90
1987	86	70	26	20	175	33	76
1988	338	141	225	128	200	282	294
1989	199	224	97	83	200	232	191
1990	185	147	135	98	300	257	161
1993	78	36	108	20	51	90	235
1995	685	220	1,708	394	197	856	3,368
1996	310	180	227	109	65	240	649
1997	67	189	129	58	147	193	3,159
1998	55	25	55	38	32	10	649
1999	47	30	109	36	69	73	1,408
2001	68	104	141	87	156	100	3,152

Figures for 1991-1992, 1994 not available. 2000 data not yet finalised

Figure 1.8 Traditional: Crop Yield Per Hectare Planted

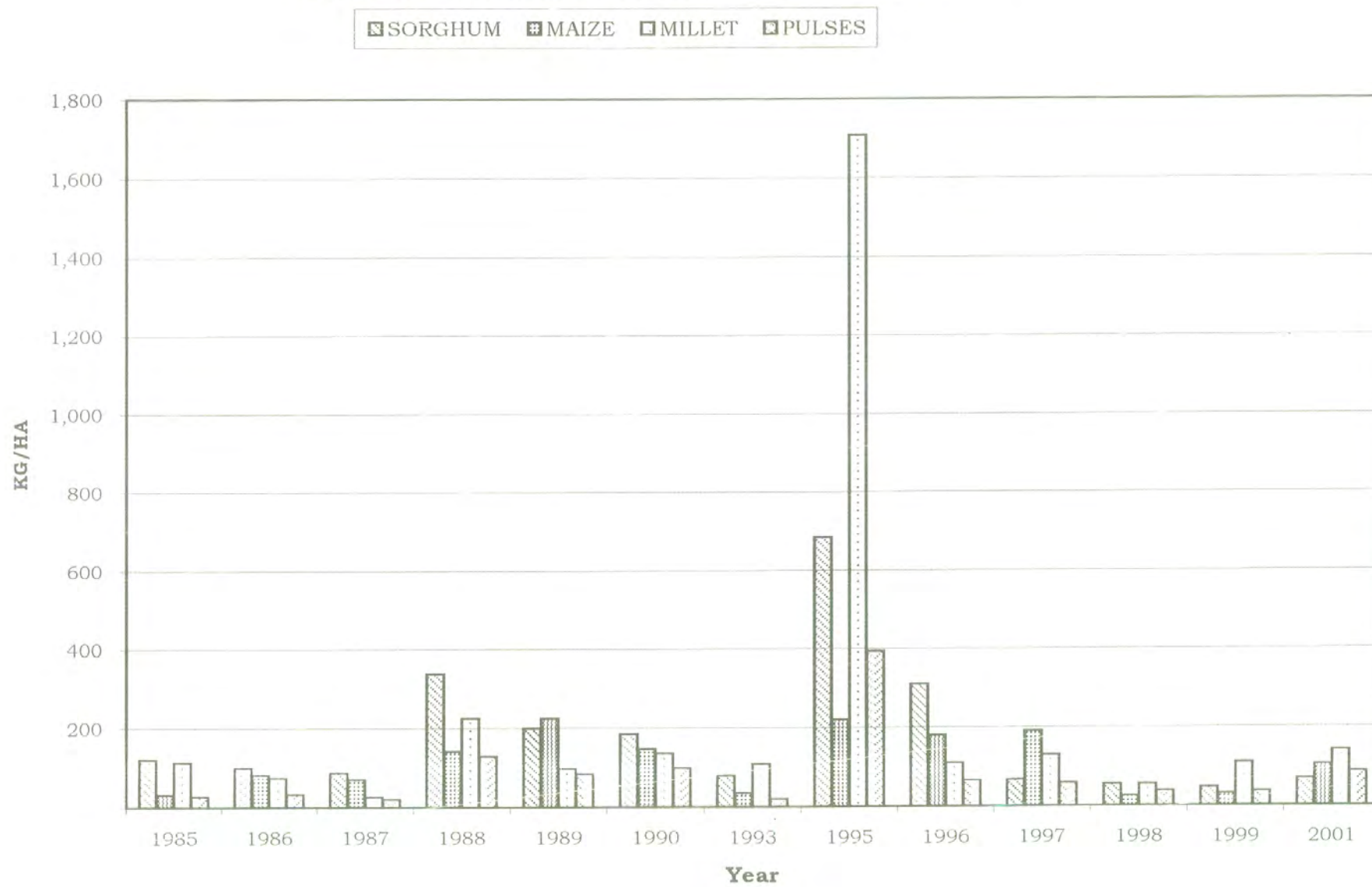


TABLE 2.1 SAMPLE SIZE OF BLOCKS AND NUMBER OF HOLDERS SELECTED FOR TRADITIONAL HOLDINGS BY DISTRICT AND REGION

District/ Region	Total Number of Blocks (FRAME)	Total Number of Selected Blocks	Total Number of Selected Holders	Average Number of Selected Holders Per Selected Block
Barolong	45	5	34	7
Ngwaketse South	118	14	92	7
Ngwaketse North	146	16	108	7
Ngwaketse Central	135	15	105	7
Ngwaketse West	106	15	113	8
SOUTHERN REGION	550	65	452	7
Balete/Tlokweng	109	8	49	6
Kweneng South	233	19	119	6
Kweneng North	182	19	125	7
Kweneng West	115	12	92	8
Kgatleng	186	20	139	7
GABORONE REGION	825	78	524	7
Mahalapye East	156	13	90	7
Mahalapye West	219	16	98	6
Palapye	198	17	126	7
Serowe	272	23	102	4
Bobonong	139	13	83	6
Letlhakane	141	13	104	8
Selebi-Phikwe	107	12	37	3
CENTRAL REGION	1,232	107	640	6
Tati	63	6	58	10
Tutume	219	15	97	6
Tonota	130	11	89	8
FRANCISTWON REGION	412	32	244	8
Ngamiland West	137	14	117	8
Ngamiland East	149	15	88	6
Chobe	31	6	28	5
MAUN REGION	317	35	233	7
Gantsi	52	6	52	9
Hukuntsi	30	6	50	8
Tsabong	53	5	36	7
WESTERN REGION	135	17	138	8
TOTAL TRADITIONAL	3,471	334	2,231	7

TABLE 2.2 SUMMARY OF TRADITIONAL SECTOR LIVESTOCK STATISTICS (Continued)

		TRADITIONAL SECTOR	
		1999	2001
SHEEP:-	TOTAL HOLDINGS	25,382	23,011
	TOTAL SHEEP	357,649	306,337
	TOTAL MALES ONE YEAR AND OVER	54,645	48,103
	TOTAL FEMALES ONE YEAR AND OVER	211,603	180,187
	TOTAL MALES UNDER ONE YEAR	40,213	37,909
	TOTAL FEMALES UNDER ONE YEAR	51,188	40,138
	TOTAL BIRTHS	150,032	102,314
	TOTAL DEATHS	101,166	45,516
	TOTAL SALES	11,903	10,912
	TOTAL HOME SLAUGHTER	12,288	12,886
	TOTAL PURCHASES	3,196	6,590
	OFFTAKE	20,995	17,208
OTHER LIVESTOCK:-	TOTAL DONKEYS/MULES HOLDINGS	56,456	54,366
	TOTAL DONKEYS/MULES	369,252	409,320
	TOTAL HORSE HOLDINGS	1,222	1,260
	TOTAL HORSES	4,606	4,667
	TOTAL CHICKEN HOLDINGS	80,951	77,559
	TOTAL CHICKENS	869,631	928,238
	TOTAL DOG HOLDINGS	8,745	7,486
	TOTAL DOGS	19,408	17,792
	TOTAL PIG HOLDINGS	651	548
	TOTAL PIGS	4,041	5,347

TABLE 2.3 SUMMARY OF TRADITIONAL SECTOR CROP STATISTICS

		TRADITIONAL SECTOR	
		1999	2001
TOTAL HOLDINGS:-		123,791	111,245
CROP LAND:- TOTAL HOLDINGS WITH LAND		86,129	65,617
TOTAL LAND AREA (HA)		388,463	298,978
TOTAL CROP HOLDINGS		76,495	32,353
TOTAL AREA PLANTED (HA)		289,140	94,161
TOTAL AREA HARVESTED (HA)		96,943	50,129
TOTAL PRODUCTION (METRIC TONS)		16,144	17,570
YIELD PER HECTARE PLANTED (KG)		56	187
YIELD PER HECTARE HARVESTED (KG)		167	350
SORGHUM:- TOTAL HOLDINGS		60,378	17,631
TOTAL AREA PLANTED (HA)		113,549	23,204
TOTAL AREA HARVESTED (HA)		45,223	13,409
TOTAL PRODUCTION (METRIC TONS)		5,354	1,583
AVERAGE YIELD PER HECTARE PLANTED (KG)		47	68
AVERAGE YIELD PER HECTARE HARVESTED (KG)		118	118
MAIZE:- TOTAL HOLDINGS		70,869	28,455
TOTAL AREA PLANTED (HA)		123,147	47,637
TOTAL AREA HARVESTED (HA)		33,943	24,977
TOTAL PRODUCTION (METRIC TONS)		3,752	4,976
YIELD PER HECTARE PLANTED (KG)		30	104
YIELD PER HECTARE HARVESTED (KG)		111	199
MILLET:- TOTAL HOLDINGS		12,433	5,697
TOTAL AREA PLANTED (HA)		7,907	3,352
TOTAL AREA HARVESTED (HA)		4,848	1,709
TOTAL PRODUCTION (METRIC TONS)		860	472
YIELD PER HECTARE PLANTED (KG)		109	141
YIELD PER HECTARE HARVESTED (KG)		177	276

TABLE 2.3 SUMMARY OF TRADITIONAL SECTOR CROP STATISTICS (continued)

		TRADITIONAL SECTOR	
		1999	2001
BEANS/PULSES:-	TOTAL HOLDINGS	60,393	25,093
	TOTAL AREA PLANTED (HA)	37,906	14,699
	TOTAL AREA HARVESTED (HA)	10,852	8,251
	TOTAL PRODUCTION (METRIC TONS)	1,346	1,280
	YIELD PER HECTARE PLANTED (KG)	36	87
	YIELD PER HECTARE HARVESTED (KG)	124	155
GROUNDNUTS:-	TOTAL HOLDINGS	8,757	4,911
	TOTAL AREA PLANTED (HA)	2,983	1,464
	TOTAL AREA HARVESTED (HA)	1,033	526
	TOTAL PRODUCTION (METRIC TONS)	217	147
	YIELD PER HECTARE PLANTED (KG)	73	100
	YIELD PER HECTARE HARVESTED (KG)	210	279
SUNFLOWER:-	TOTAL HOLDINGS	698	676
	TOTAL AREA PLANTED (HA)	389	962
	TOTAL AREA HARVESTED (HA)	225	734
	TOTAL PRODUCTION (METRIC TONS)	27	150
	YIELD PER HECTARE PLANTED (KG)	69	156
	YIELD PER HECTARE HARVESTED (KG)	120	204
OTHER CROPS:-	TOTAL HOLDINGS	20,051	7,058
	TOTAL AREA PLANTED (HA)	3,259	2,843
	TOTAL AREA HARVESTED (HA)	819	523
	TOTAL PRODUCTION (METRIC TONS)	4,588	8,962
	YIELD PER HECTARE PLANTED (KG) *	1,408	3,152
	YIELD PER HECTARE HARVESTED (KG)	5,602	17,136

TABLE 2.4 TRADITIONAL HOLDINGS: TOTAL HOLDINGS, HOLDINGS WITH LAND, CROP HOLDINGS, CATTLE HOLDINGS, GOAT HOLDINGS AND SHEEP HOLDINGS BY DISTRICT AND R

District/Region	Total Holdings	Holdings with Land	Crop Holdings	Cattle Holdings	Goat Holdings	Sheep Holdings
Barolong	2,882	1,540	457	1,052	1,335	645
Ngwaketse South	3,855	2,576	883	2,511	2,627	1,375
Ngwaketse North	6,495	4,515	1,823	3,777	4,825	1,531
Ngwaketse Central	7,605	4,718	744	5,211	5,278	2,224
Ngwaketse West	4,024	3,060	1,493	2,415	3,165	1,801
SOUTHERN REGION	24,861	16,409	5,400	14,966	17,230	7,576
Balete/Tlokweng	494	365	56	227	341	198
Kweneng South	6,275	3,918	1,201	3,981	4,744	2,293
Kweneng North	5,291	4,005	2,462	2,770	4,543	1,106
Kweneng West	6,860	4,109	1,608	4,751	5,940	1,549
Kgatleng	6,995	2,979	1,014	5,288	4,613	1,016
GABORONE REGION	25,915	15,376	6,341	17,017	20,181	6,162
Mahalapye East	4,427	3,322	2,391	2,294	3,803	709
Mahalapye West	7,836	2,370	1,157	5,726	5,712	1,264
Palapye	9,858	6,618	3,174	4,877	7,735	1,831
Serowe	3,591	1,472	706	2,164	2,110	394
Bobonong	4,427	2,854	2,078	3,051	3,903	485
Lethakane	3,977	1,501	1,086	2,769	3,350	924
Selebi-Phikwe	714	181	147	527	690	186
CENTRAL REGION	34,830	18,318	10,739	21,408	27,303	5,793
Tati	1,203	1,016	682	555	1,008	97
Tutume	5,471	3,293	2,264	2,662	3,049	424
Tonota	2,981	1,901	771	986	1,975	519
FRANCISTWON REGION	9,655	6,210	3,717	4,203	6,032	1,040
Ngamiland West	6,776	5,579	4,204	3,214	4,134	628
Ngamiland East	2,693	1,561	889	1,570	2,138	544
Chobe	792	463	411	480	487	0
MAUN REGION	10,261	7,603	5,504	5,264	6,759	1,172
Gantsi	2,305	700	324	1,170	1,136	213
Hukuntsi	1,010	423	209	592	749	176
Tsabong	2,408	578	119	1,493	1,926	879
WESTERN REGION	5,723	1,701	652	3,255	3,811	1,268
TOTAL TRADITIONAL	111,245	65,617	32,353	66,113	81,316	23,011

TABLE 3.1 TOTAL NUMBER OF HOLDERS BY SEX, DISTRICT AND REGION

District/ Region	Male		Female		Total Holders
	Number	Percentage	Number	Percentage	
Barolong	1,014	35.2	1,868	64.8	2,882
Ngwaketse South	2,692	69.8	1,163	30.2	3,855
Ngwaketse North	4,795	73.8	1,700	26.2	6,495
Ngwaketse Central	5,423	71.3	2,182	28.7	7,605
Ngwaketse West	2,875	71.4	1,149	28.6	4,024
SOUTHERN REGION	16,799	67.6	8,062	32.4	24,861
Balete/Tlokweng	405	82.0	89	18.0	494
Kweneng South	3,935	62.7	2,340	37.3	6,275
Kweneng North	3,516	66.5	1,775	33.5	5,291
Kweneng West	3,726	54.3	3,134	45.7	6,860
Kgatleng	5,510	78.8	1,485	21.2	6,995
GABORONE REGION	17,092	66.0	8,823	34.0	25,915
Mahalapye East	2,819	63.7	1,608	36.3	4,427
Mahalapye West	4,760	60.7	3,076	39.3	7,836
Palapye	5,880	59.6	3,978	40.4	9,858
Serowe	2,729	76.0	862	24.0	3,591
Bobonong	2,578	58.2	1,849	41.8	4,427
Letlhakane	2,845	71.5	1,132	28.5	3,977
Selebi-Phikwe	402	56.3	312	43.7	714
CENTRAL REGION	22,013	63.2	12,817	36.8	34,830
Tati	668	55.5	535	44.5	1,203
Tutume	3,756	68.7	1,715	31.3	5,471
Tonota	1,546	51.9	1,435	48.1	2,981
FRANCISTOWN REGION	5,970	61.8	3,685	38.2	9,655
Ngamiland West	4,398	64.9	2,378	35.1	6,776
Ngamiland East	1,708	63.4	985	36.6	2,693
Chobe	385	48.6	407	51.4	792
MAUN REGION	6,491	63.3	3,770	36.7	10,261
Gantsi	1,318	57.2	987	42.8	2,305
Hukuntsi	528	52.3	482	47.7	1,010
Tsabong	1,632	67.8	776	32.2	2,408
WESTERN REGION	3,478	60.8	2,245	39.2	5,723
TOTAL TRADITIONAL	71,843	65	39,402	35	111,245

Figure 3.1 Number of Holders By Region and Marital Status

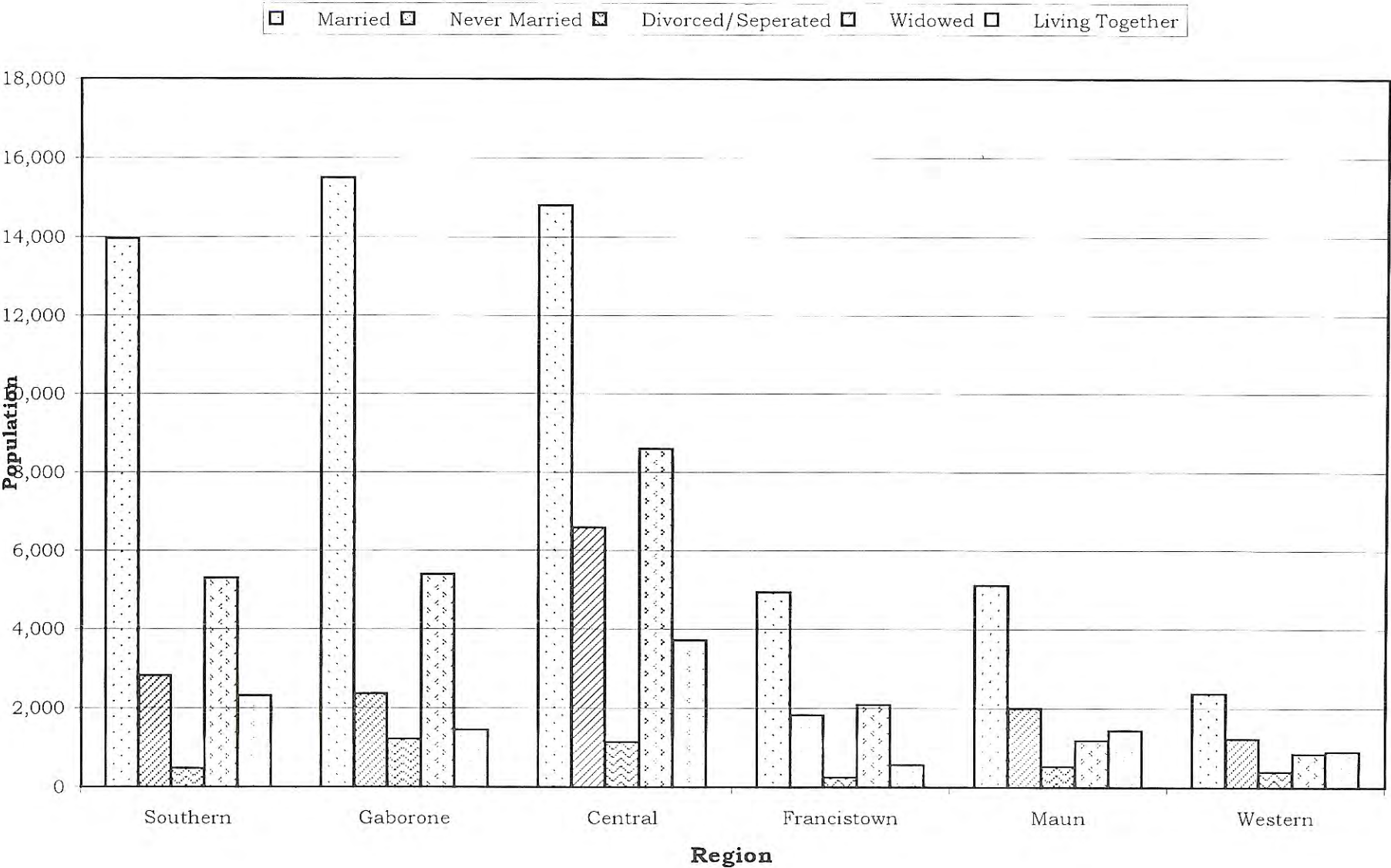


TABLE 3.3 TOTAL NUMBER OF MALE HOLDERS BY MARITAL STATUS, DISTRICT AND REGION

District/Region	Married	Never Married	Divorced	Widowed	Separated	Living Together	Total Holders
Barolong	827	11	-	7	-	169	1,014
Ngwaketse South	2,278	169	4	125	-	116	2,692
Ngwaketse North	3,866	163	39	70	31	626	4,795
Ngwaketse Central	4,152	141	-	516	-	614	5,423
Ngwaketse West	2,380	180	83	10	-	222	2,875
SOUTHERN REGION	13,503	664	126	728	31	1,747	16,799
Balete/Tlokweng	347	43	3	12	-	-	405
Kweneng South	3,317	56	-	463	-	99	3,935
Kweneng North	3,315	81	-	2	-	118	3,516
Kweneng West	3,288	166	3	39	-	230	3,726
Kgatleng	4,546	238	113	47	150	416	5,510
GABORONE REGION	14,813	584	119	563	150	863	17,092
Mahalapye East	2,216	180	-	95	-	328	2,819
Mahalapye West	1,968	871	25	1,125	-	771	4,760
Palapye	4,101	36	32	925	-	786	5,880
Serowe	1,394	531	382	13	-	409	2,729
Bobonong	2,044	165	210	6	10	143	2,578
Letlhakane	2,402	134	14	134	3	158	2,845
Selebi-Phikwe	302	11	-	10	-	79	402
CENTRAL REGION	14,427	1,928	663	2,308	13	2,674	22,013
Tati	511	93	-	64	-	-	668
Tutume	3,090	333	21	93	-	219	3,756
Tonota	1,031	223	-	63	51	178	1,546
FRANCISTOWN REGION	4,632	649	21	220	51	397	5,970
Ngamiland West	3,153	269	-	201	-	775	4,398
Ngamiland East	1,159	193	80	93	56	127	1,708
Chobe	242	36	-	-	66	41	385
MAUN REGION	4,554	498	80	294	122	943	6,491
Gantsi	905	103	20	42	2	246	1,318
Hukuntsi	392	41	-	7	-	88	528
Tsabong	923	383	26	15	-	285	1,632
WESTERN REGION	2,220	527	46	64	2	619	3,478
TOTAL TRADITIONAL	54,149	4,850	1,055	4,177	369	7,243	71,843

TABLE 3.4 TOTAL NUMBER OF FEMALE HOLDERS BY MARITAL STATUS, DISTRICT AND REGION

District/Region	Married	Never Married	Divorced	Widowed	Separated	Living Together	Total Holders
Barolong	256	169	9	1,167	-	267	1,868
Ngwaketse South	18	276	-	671	161	37	1,163
Ngwaketse North	-	437	-	1,241	-	22	1,700
Ngwaketse Central	167	950	-	894	120	51	2,182
Ngwaketse West	21	323	13	594	13	185	1,149
SOUTHERN REGION	462	2,155	22	4,567	-	562	8,062
Balete/Tlokweng	-	2	4	83	-	-	89
Kweneng South	226	562	107	1,445	-	-	2,340
Kweneng North	98	112	301	1,130	90	44	1,775
Kweneng West	369	584	245	1,519	-	417	3,134
Kgatleng	-	516	189	651	9	120	1,485
GABORONE REGION	693	1,776	846	4,828	99	581	8,823
Mahalapye East	105	675	-	792	-	36	1,608
Mahalapye West	-	1,162	79	1,809	-	26	3,076
Palapye	23	1,271	293	1,707	-	684	3,978
Serowe	149	137	50	314	-	212	862
Bobonong	9	963	-	877	-	-	1,849
Letlhakane	79	417	35	523	-	78	1,132
Selebi-Phikwe	10	33	-	264	-	5	312
CENTRAL REGION	375	4,658	457	6,286	-	1,041	12,817
Tati	95	128	-	282	30	-	535
Tutume	180	450	-	1,004	81	-	1,715
Tonota	31	596	31	579	30	168	1,435
FRANCISTOWN REGION	306	1,174	31	1,865	141	168	3,685
Ngamiland West	321	1,128	261	278	-	390	2,378
Ngamiland East	146	287	7	432	11	102	985
Chobe	95	89	48	175	-	-	407
MAUN REGION	562	1,504	316	885	11	492	3,770
Gantsi	98	264	63	319	98	145	987
Hukuntsi	47	117	35	234	2	47	482
Tsabong	-	309	148	232	-	87	776
WESTERN REGION	145	690	246	785	100	279	2,245
TOTAL TRADITIONAL	2,543	11,957	1,918	19,216	351	3,123	39,402

TABLE 3.5 TOTAL NUMBER OF HOLDERS BY AGE GROUP, SEX, DISTRICT AND REGION

District/ Region	12 - 24 Years		25 - 29 Years		30 - 34 Years		35 - 44 Years		45 - 54 Years		55 - 64 Years		65 Years +		Not Stated		Total Holders
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	
Barolong	-	-	80	-	-	256	358	80	518	120	21	776	36	637	-	-	2,882
Ngwaketse South	7	-	36	-	18	-	124	233	946	226	465	113	993	428	103	163	3,855
Ngwaketse North	-	22	-	-	75	-	581	209	611	399	1,759	231	1,762	839	7	-	6,495
Ngwaketse Central	-	137	-	-	-	-	547	432	1,798	218	1,213	886	1,865	509	-	-	7,605
Ngwaketse West	17	-	-	84	43	8	176	237	775	146	580	155	912	199	372	320	4,024
SOUTHERN REGION	24	159	116	84	136	264	1,786	1,191	4,648	1,109	4,038	2,161	5,568	2,612	482	483	24,861
Balete/Tlokweneng	-	-	35	-	-	-	-	-	80	4	153	37	137	45	-	3	494
Kweneng South	6	-	-	-	15	40	264	20	845	652	896	500	1,880	1,127	30	-	6,275
Kweneng North	-	21	-	-	116	38	162	99	730	242	1,248	825	1,259	551	-	-	5,291
Kweneng West	-	-	3	-	488	267	620	521	491	282	414	626	689	902	1,021	536	6,860
Kgatlang	-	35	-	114	456	-	726	230	1,644	324	1,461	426	1,085	358	136	-	6,995
GABORONE REGION	6	56	38	114	1,075	345	1,772	870	3,790	1,504	4,172	2,414	5,050	2,983	1,187	539	25,915
Mahalapye East	-	-	-	-	18	-	641	341	633	319	344	469	1,018	479	165	-	4,427
Mahalapye West	-	-	-	-	720	51	215	18	1,063	990	1,230	836	1,519	993	12	189	7,836
Palapye	-	3	-	-	-	-	532	257	1,194	950	1,037	1,334	3,117	1,231	-	203	9,858
Serowe	-	-	13	-	15	51	183	177	364	225	1,244	53	910	356	-	-	3,591
Bobonong	-	200	-	-	160	200	788	250	378	208	539	68	446	923	267	-	4,427
Lethakane	-	-	69	159	160	190	328	78	686	137	726	243	724	181	151	145	3,977
Selebi-Phikwe	-	-	-	-	-	-	19	10	54	18	84	164	90	114	155	6	714
CENTRAL REGION	-	203	82	159	1,073	492	2,706	1,131	4,372	2,847	5,204	3,167	7,824	4,277	750	543	34,830
Tati	-	-	-	-	12	-	109	42	155	80	267	213	121	200	4	-	1,203
Tutume	-	87	66	8	178	81	189	279	867	572	1,115	71	742	374	599	243	5,471
Tonota	-	-	91	-	30	14	198	156	162	409	439	462	489	361	136	34	2,981
FRANCISTOWN REGI	-	87	157	8	220	95	496	477	1,184	1,061	1,821	746	1,352	935	739	277	9,655
Ngamiland West	-	81	229	288	324	176	460	523	1,189	165	817	374	1,375	770	5	-	6,776
Ngamiland East	-	-	-	-	98	114	202	122	172	201	570	204	647	344	19	-	2,693
Chobe	-	-	-	48	33	48	176	85	3	95	98	33	74	99	-	-	792
MAUN REGION	-	81	229	336	455	338	838	730	1,364	461	1,485	611	2,096	1,213	24	-	10,261
Gantsi	-	-	83	-	86	47	282	76	204	110	342	183	253	432	67	140	2,305
Hukuntsi	36	-	-	-	35	-	45	177	48	48	88	-	170	256	107	-	1,010
Tsabong	62	-	173	-	87	62	316	87	309	235	324	212	173	166	186	16	2,408
WESTERN REGION	98	-	256	-	208	109	643	340	561	393	754	395	596	854	360	156	5,723
TOTAL TRADITIONAL	128	586	878	701	3,167	1,643	8,241	4,739	15,919	7,375	17,474	9,494	22,486	12,874	3,542	1,998	111,245

TABLE 3.6 TOTAL NUMBER OF PERSONS LIVING IN HOLDERS DWELLING UNIT BY AGE GROUP, SEX, DISTRICT AND REGION

District/ Region	Under 6 Years	6 - 15 Years	16 - 25 Years	26 - 35 Years	36 - 45 Years	46 - 55 Years	56 - 64 Years	Over 65 Years	Not Stated	Total Number of Persons	Persons Per Farm Dwelling Unit
Barolong	3,556	6,563	2,633	1,731	1,311	577	292	1,043	-	17,706	6
Ngwaketse South	2,507	4,792	3,504	955	1,960	1,646	927	1,835	172	18,298	5
Ngwaketse North	5,364	9,511	4,785	1,763	1,738	2,292	1,592	2,812	7	29,864	5
Ngwaketse Central	4,591	9,235	6,659	2,671	3,040	2,114	1,811	2,879	198	33,198	4
Ngwaketse West	2,288	3,498	2,662	1,535	669	1,186	706	1,720	641	14,905	4
SOUTHERN REGION	18,306	33,599	20,243	8,655	8,718	7,815	5,328	10,289	1,018	113,971	5
Balete/Tlokweneng	382	535	539	450	76	165	195	220	-	2,562	5
Kweneng South	4,325	6,189	5,651	3,729	2,279	2,854	1,157	3,855	159	30,198	5
Kweneng North	3,175	3,340	3,891	1,865	1,215	2,067	1,677	2,333	150	19,713	4
Kweneng West	4,953	9,529	3,708	3,774	1,699	1,205	682	1,631	1,947	29,128	4
Kgatleng	6,184	9,325	8,577	3,959	3,272	3,111	2,327	2,204	152	39,111	6
GABORONE REGION	19,019	28,918	22,366	13,777	8,541	9,402	6,038	10,243	2,408	120,712	5
Mahalapye East	3,325	4,053	2,616	1,609	1,780	927	957	1,786	185	17,238	4
Mahalapye West	4,029	6,483	6,547	5,216	1,885	3,604	1,824	2,171	601	32,360	4
Palapye	4,595	7,895	5,482	3,033	3,130	4,377	2,596	4,900	242	36,250	4
Serowe	2,566	4,817	1,725	1,283	1,124	1,323	1,440	1,487	66	15,831	4
Bobonong	5,066	6,553	4,508	1,977	1,957	559	990	1,601	1,018	24,229	5
Lethakane	3,443	6,458	3,881	2,375	1,590	1,693	876	1,141	131	21,588	5
Selebi-Phikwe	545	98	596	318	191	92	106	128	231	2,305	3
CENTRAL REGION	23,569	36,357	25,355	15,811	11,657	12,575	8,789	13,214	2,474	149,801	4
Tati	1,014	1,909	855	494	445	387	476	557	4	6,141	5
Tutume	4,340	8,510	4,379	1,912	2,074	2,924	1,214	1,717	910	27,980	5
Tonota	3,304	3,874	2,974	1,314	1,086	1,132	628	1,327	270	15,909	5
FRANCISTOWN REGION	8,658	14,293	8,208	3,720	3,605	4,443	2,318	3,601	1,184	50,030	5
Ngamiland West	7,753	14,267	9,254	3,042	2,527	2,374	1,077	2,682	403	43,379	6
Ngamiland East	2,692	4,688	3,894	1,906	1,848	617	1,008	1,397	18	18,068	7
Chobe	626	817	518	589	421	138	103	263	-	3,475	4
MAUN REGION	11,071	19,772	13,666	5,537	4,796	3,129	2,188	4,342	421	64,922	6
Gantsi	1,055	2,083	1,047	510	686	457	744	788	155	7,525	3
Hukuntsi	572	774	576	281	424	261	217	441	80	3,626	4
Tsabong	1,422	2,691	1,831	1,594	647	877	430	319	264	10,075	4
WESTERN REGION	3,049	5,548	3,454	2,385	1,757	1	1,391	1,548	499	21,226	4
TOTAL TRADITIONAL	83,672	138,487	93,292	49,885	39,074	37,365	26,052	43,237	8,004	520,662	5

TABLE 3.7 PERSONS AGED 12 YEARS AND OVER BY SEX, EDUCATIONAL ATTAINMENT, DISTRICT AND REGION

District/ Region	Primary		Secondary		Tertiary		Still at School	
	Male	Female	Male	Female	Male	Female	Male	Female
Barolong	828	2,842	49	818	-	-	1,584	1,089
Ngwaketse South	1,115	2,927	648	1,538	-	-	1,533	1,965
Ngwaketse North	1,828	3,562	544	1,866	-	-	3,366	2,522
Ngwaketse Central	1,580	3,322	1,833	3,875	122	132	2,755	3,119
Ngwaketse West	472	1,184	1,009	692	10	35	711	396
SOUTHERN REGION	5,823	13,837	4,083	8,789	132	167	9,949	9,091
Balete/Tlokweneng	238	245	270	308	-	-	191	191
Kweneng South	1,555	3,409	1,634	5,040	107	-	1,052	1,777
Kweneng North	812	1,738	566	2,011	-	-	1,450	658
Kweneng West	2,499	2,675	624	1,166	-	-	3,012	1,732
Kgatleng	2,584	4,291	1,833	4,840	-	-	3,312	4,009
GABORONE REGION	7,688	12,358	4,927	13,365	107	-	9,017	8,367
Mahalapye East	1,238	1,849	804	1,159	-	-	612	670
Mahalapye West	3,492	5,169	3,806	2,432	-	-	1,835	1,784
Palapye	4,492	4,991	967	3,251	-	-	1,693	1,585
Serowe	1,057	1,328	318	350	9	-	334	360
Bobonong	1,874	1,749	779	2,919	35	-	2,791	1,868
Letlhakane	1,583	1,844	1,100	1,162	10	9	1,968	1,351
Selebi-Phikwe	230	374	430	29	-	-	33	33
CENTRAL REGION	13,966	17,304	8,204	11,302	54	9	9,266	7,651
Tati	458	878	408	491	-	-	366	617
Tutume	1,689	2,558	743	1,689	-	81	3,007	1,569
Tonota	1,961	2,373	419	1,170	-	-	1,347	619
FRANCISTOWN REGION	4,108	5,809	1,570	3,350	-	81	4,720	2,805
Ngamiland West	2,919	3,683	1,831	1,878	-	-	5,011	4,142
Ngamiland East	1,472	1,495	1,098	1,964	80	-	1,590	1,515
Chobe	284	681	325	300	33	-	181	84
MAUN REGION	4,675	5,859	3,254	4,142	113	-	6,782	5,741
Gantsi	741	747	484	407	-	-	449	375
Hukuntsi	201	632	215	200	-	-	239	205
Tsabong	1,206	1,228	628	1,443	-	15	661	544
WESTERN REGION	2,148	2,607	1,327	2,050	-	15	1,349	1,124
TOTAL TRADITIONAL	38,408	57,774	23,365	42,998	406	272	41,083	34,779

TABLE 3.8 POPULATION AGED 5 YEARS AND OVER THAT EVER ATTENDED SCHOOL BY SEX, AGE GROUP AND HIGHEST LEVEL COMPLETED

Age Group	Primary			Secondary			Tertiary			Total Population
	Male	Female	Total for Primary	Male	Female	Total for Secondary	Male	Female	Total for Tertiary	
05 - 09	875	284	1,159	19	84	103	-	-	-	1,262
10 - 14	1,975	1,078	3,053	132	39	171	-	-	-	3,224
15 - 19	4,701	1,944	6,645	4,510	9,668	14,178	-	-	-	20,823
20 - 24	5,162	4,138	9,300	9,396	14,684	24,080	61	17	78	33,458
25 - 29	3,667	5,027	8,694	4,710	9,812	14,522	-	19	19	23,235
30 - 34	5,685	7,444	13,129	2,480	4,023	6,503	-	61	61	19,693
35 - 39	2,921	7,768	10,689	764	2,847	3,611	3	15	18	14,318
40 - 44	3,000	5,269	8,269	484	51	535	33	90	123	8,927
45 - 49	1,772	5,739	7,511	170	814	984	12	-	12	8,507
50 - 54	2,197	4,635	6,832	171	212	383	64	61	125	7,340
55 - 59	1,408	4,239	5,647	34	415	449	187	-	187	6,283
60 - 64	1,447	3,003	4,450	49	88	137	35	-	35	4,622
65 - 69	1,481	2,489	3,970	204	-	204	9	10	19	4,193
70 - 74	838	2,095	2,933	59	55	114	-	-	-	3,047
75 +	2,683	2,996	5,679	203	292	495	3	-	3	6,177
TOTAL	39,812	58,148	97,960	23,385	43,084	66,469	407	273	680	165,109

TABLE 3.9 TOTAL NUMBER OF HOLDERS BY TYPE OF HOLDING OPERATED, DISTRICT AND REGION

District/Region	An Individual Living on Site	An Individual Living Elsewhere	Household with Two or More Persons	Total Holders
Barolong	2,614	6	262	2,882
Ngwaketse South	3,205	650	-	3,855
Ngwaketse North	5,840	655	-	6,495
Ngwaketse Central	6,576	1,029	-	7,605
Ngwaketse West	3,136	888	-	4,024
SOUTHERN REGION	21,371	3,228	262	24,861
Balete/Tlokweng	346	148	-	494
Kweneng South	5,701	546	28	6,275
Kweneng North	4,487	804	-	5,291
Kweneng West	5,240	1,620	-	6,860
Kgatleng	5,599	1,396	-	6,995
GABORONE REGION	21,373	4,514	28	25,915
Mahalapye East	3,949	408	70	4,427
Mahalapye West	6,568	972	296	7,836
Palapye	9,530	87	241	9,858
Serowe	2,839	248	504	3,591
Bobonong	3,803	624	-	4,427
Letlhakane	3,589	148	240	3,977
Selebi-Phikwe	391	319	4	714
CENTRAL REGION	30,669	2,806	1,355	34,830
Tati	894	131	178	1,203
Tutume	5,015	117	339	5,471
Tonota	2,981	-	-	2,981
FRANCISTOWN REGION	8,890	248	517	9,655
Ngamiland West	5,809	66	901	6,776
Ngamiland East	1,837	109	747	2,693
Chobe	641	-	151	792
MAUN REGION	8,287	175	1,799	10,261
Gantsi	2,076	229	-	2,305
Hukuntsi	899	111	-	1,010
Tsabong	1,930	478	-	2,408
WESTERN REGION	4,905	818	-	5,723
TOTAL TRADITIONAL	95,495	11,789	3,961	111,245

TABLE 3.10 TOTAL NUMBER OF HOLDINGS BY OTHER ECONOMIC ACTIVITIES CURRENTLY UNDERTAKEN BY THE HOLDING, DISTRICT AND REGION

District/ Region	Transport Services	Hiring of Tractor/ Ploughing Services	Hunting/ Trapping	Game/Wildlife Propagation	Fishing	Forestry Planting	Timber/Wood Production	Trading Store Shop/Vendor	Manufacture and Sale of:			Other Activities
									Traditional Beer	Craft-work	Other Goods	
Barolong	-	-	-	-	-	-	-	262	-	267	159	86
Ngwaketse South	10	-	-	-	-	-	-	446	86	32	179	2,117
Ngwaketse North	-	-	-	-	-	-	-	31	103	283	159	5,245
Ngwaketse Central	107	56	-	-	-	-	-	689	-	208	137	2,298
Ngwaketse West	12	-	-	-	-	-	84	171	12	313	-	144
SOUTHERN REGION	129	56	-	-	-	-	84	1,599	201	1,103	634	9,890
Balete/Tlokweneng	-	-	-	-	-	-	-	73	-	3	-	15
Kweneng South	72	-	-	-	-	-	-	550	-	154	17	807
Kweneng North	75	-	-	-	-	-	38	330	-	285	127	170
Kweneng West	96	28	-	-	-	-	-	557	23	812	-	381
Kgatleng	338	-	-	-	-	-	-	980	-	24	13	340
GABORONE REGION	581	28	-	-	-	-	38	2,490	23	1,278	157	1,713
Mahalapye East	-	15	-	14	-	-	-	150	14	473	74	355
Mahalapye West	-	-	-	-	-	-	-	988	-	1,141	-	1,962
Palapye	-	-	-	-	-	-	-	491	3	929	206	1,679
Serowe	-	40	-	-	-	-	-	124	28	706	-	676
Bobonong	-	35	-	-	-	-	-	58	143	158	-	325
Letlhakane	-	-	-	-	-	-	-	144	81	429	149	255
Selebi-Phikwe	-	-	-	-	-	-	-	16	-	10	-	56
CENTRAL REGION	-	90	-	14	-	-	-	1,971	269	3,846	429	5,308
Tati	856	120	178	-	-	-	-	106	-	42	-	105
Tutume	3,278	294	964	-	-	-	-	303	-	313	8	608
Tonota	2,663	140	195	-	-	-	-	253	-	220	70	327
FRANCISTOWN REGION	6,797	554	1,337	-	-	-	-	662	-	575	78	1,040
Ngamiland West	195	195	45	195	301	-	-	130	-	556	375	379
Ngamiland East	18	-	-	-	-	-	11	175	-	201	24	583
Chobe	594	-	198	-	-	-	-	199	-	-	48	33
MAUN REGION	807	195	243	195	301	-	11	504	-	757	447	995
Gantsi	-	-	-	-	-	-	-	203	-	186	-	171
Hukuntsi	3	-	-	-	-	-	-	9	-	3	-	-
Tsabong	-	20	-	-	-	-	-	398	5	-	5	185
WESTERN REGION	3	20	-	-	-	-	-	610	5	189	5	356
TOTAL TRADITIONAL	8,317	943	1,580	209	301	-	133	7,836	498	7,748	1,750	19,302

TABLE 3.11 NUMBER OF HOLDINGS BY HOLDER'S WORKING STATUS, DISTRICT AND REGION

District/ Region	Number	Yes Percentage	Number	No Percentage	Total	Holders
Barolong	2,151	2.5	731	0.9	2,882	
Ngwaketse South	2,471	2.9	1,384	1.6	3,855	
Ngwaketse North	5,278	6.2	1,217	1.4	6,495	
Ngwaketse Central	4,879	5.8	2,726	3.2	7,605	
Ngwaketse West	3,144	3.7	880	1.0	4,024	
SOUTHERN REGION	17,923	21.1	6,938	26.2	24,861	
Balete/Tlokweneng	401	0.5	93	0.1	494	
Kweneng South	5,378	6.3	897	1.1	6,275	
Kweneng North	4,279	5.0	1,012	1.2	5,291	
Kweneng West	4,979	5.9	1,881	2.2	6,860	
Kgatleng	4,051	4.8	2,944	3.5	6,995	
GABORONE REGION	19,088	22.5	6,827	25.8	25,915	
Mahalapye East	3,685	4.3	742	0.9	4,427	
Mahalapye West	6,705	7.9	1,131	1.3	7,836	
Palapye	8,767	10.3	1,091	1.3	9,858	
Scrowe	3,068	3.6	523	0.6	3,591	
Bobonong	3,421	4.0	1,006	1.2	4,427	
Letlhakane	2,595	3.1	1,382	1.6	3,977	
Selebi-Phikwe	678	0.8	36	0.0	714	
CENTRAL REGION	28,919	34.1	5,911	22.4	34,830	
Tati	864	1.0	339	0.4	1,203	
Tutume	4,372	5.2	1,099	1.3	5,471	
Tonota	2,188	2.6	793	0.9	2,981	
FRANCISTOWN REGION	7,424	8.8	2,231	8.4	9,655	
Ngamiland West	5,114	6.0	1,662	2.0	6,776	
Ngamiland East	2,242	2.6	451	0.5	2,693	
Chobe	385	0.5	407	0.5	792	
MAUN REGION	7,741	9.1	2,520	9.5	10,261	
Gantsi	1,685	2.0	620	0.7	2,305	
Hukuntsi	621	0.7	389	0.5	1,010	
Tsabong	1,406	1.7	1,002	1.2	2,408	
WESTERN REGION	3,712	4.4	2,011	7.6	5,723	
TOTAL TRADITIONAL	84,807	100.0	26,438	100.0	111,245	

TABLE 4.1 CATTLE HOLDINGS AND CATTLE POPULATION BY DISTRICT AND REGION

District/ Region	Cattle Holdings		Cattle Population		Average Number of Cattle per Holding
	Number	Percentage	Number	Percentage	
Barolong	1,052	1.6	23,379	0.9	22
Ngwaketse South	2,511	3.8	68,128	2.8	27
Ngwaketse North	3,777	5.7	58,511	2.4	15
Ngwaketse Central	5,211	7.9	106,795	4.3	20
Ngwaketse West	2,415	3.7	71,370	2.9	30
SOUTHERN REGION	14,966	22.6	328,183	13.3	22
Balete/Tlokweneng	227	0.3	2,222	0.1	10
Kweneng South	3,981	6.0	89,238	3.6	22
Kweneng North	2,770	4.2	78,584	3.2	28
Kweneng West	4,751	7.2	209,627	8.5	44
Kgatleng	5,288	8.0	110,026	4.5	21
GABORONE REGION	17,017	25.7	489,697	19.8	29
Mahalapye East	2,294	3.5	42,497	1.7	19
Mahalapye West	5,726	8.7	579,013	23.5	101
Palapye	4,877	7.4	104,048	4.2	21
Serowe	2,164	3.3	110,617	4.5	51
Bobonong	3,051	4.6	81,606	3.3	27
Letlhakane	2,769	4.2	221,737	9.0	80
Selebi-Phikwe	527	0.8	22,548	0.9	43
CENTRAL REGION	21,408	32.4	1,162,066	47.1	54
Tati	555	0.8	6,091	0.2	11
Tutume	2,662	4.0	95,724	3.9	36
Tonota	986	1.5	30,919	1.3	31
FRANCISTOWN REGION	4,203	6.4	132,734	5.4	32
Ngamiland West	3,214	4.9	109,186	4.4	34
Ngamiland East	1,570	2.4	64,288	2.6	41
Chobe	480	0.7	9,433	0.4	20
MAUN REGION	5,264	8.0	182,907	7.4	35
Gantsi	1,170	1.8	72,276	2.9	62
Hukuntsi	592	0.9	15,309	0.6	26
Tsabong	1,493	2.3	85,227	3.5	57
WESTERN REGION	3,255	4.9	172,812	7.0	53
TOTAL TRADITIONAL	66,113	100.0	2,468,399	100.0	37

TABLE 4.2 CATTLE HOLDINGS AND CATTLE POPULATION BY SIZE OF CATTLE HOLDINGS

Size of Cattle Holdings	Cattle Holdings		Cattle Population		Average Number of Cattle per Holding
	Number	Percentage	Number	Percentage	
1 - 10	18,017	30.3	102,885	4.2	6
11 - 20	17,062	26.1	259,006	10.5	15
21 - 30	9,168	15.4	235,395	9.5	26
31 - 40	6,367	6.0	223,658	9.1	35
41 - 50	4,469	6.2	199,559	8.1	45
51 - 60	1,792	3.1	98,498	4.0	55
61 - 100	3,703	5.0	287,280	11.6	78
101 - 150	2,313	3.1	274,018	11.1	118
151 - 200	1,330	2.2	222,553	9.0	167
201 - 250	322	1.5	74,019	3.0	230
251 - 300	94	0.1	25,572	1.0	272
301 - 350	150	0.1	49,115	2.0	327
351 - 400	968	0.4	361,613	14.6	374
401+	358	0.4	55,228	2.2	154
TOTAL TRADITIONAL	66,113	100.0	2,468,399	100.0	37

Figure 4.1 Cattle Herd Size by Sex of Holder

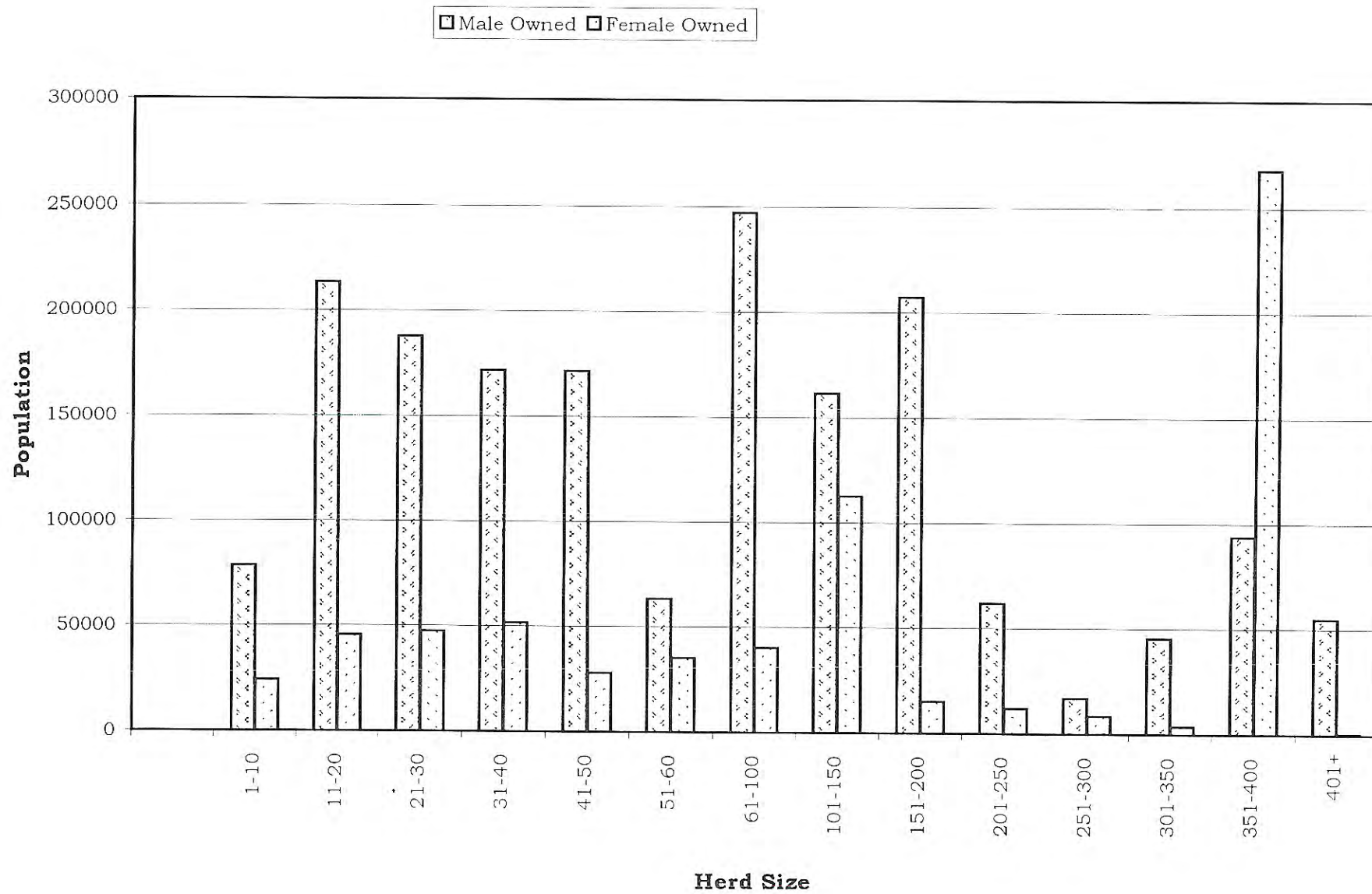


TABLE 4.4 CATTLE HERD COMPOSITION BY DISTRICT AND REGION

District/Region	Bulls	Oxen	Cows	Tollics	Heifers	Males Calves	Females Calves	Cattle Population
Barolong	555	993	10,467	3,556	2,504	2,837	2,467	23,379
Ngwaketse South	1,315	5,627	32,775	6,672	6,948	6,942	7,849	68,128
Ngwaketse North	1,845	4,961	26,849	7,652	6,802	5,047	5,355	58,511
Ngwaketse Central	1,898	8,067	48,482	12,108	10,164	12,668	13,408	106,795
Ngwaketse West	1,073	1,773	35,463	10,710	7,520	6,455	8,376	71,370
SOUTHERN REGION	6,686	21,421	154,036	40,698	33,938	33,949	37,455	328,183
Balete/Tlokwen	43	100	918	187	408	198	368	2,222
Kweneng South	1,870	5,163	38,978	13,798	8,935	8,664	11,830	89,238
Kweneng North	1,247	4,949	35,871	10,731	7,827	8,003	9,956	78,584
Kweneng West	5,500	14,620	85,522	32,174	21,814	24,497	25,500	209,627
Kgatleng	3,002	5,998	46,382	14,874	13,148	12,444	14,178	110,026
GABORONE REGION	11,662	30,830	207,671	71,764	52,132	53,806	61,832	489,697
Mahalapye East	570	788	18,756	6,320	4,165	4,907	6,991	42,497
Mahalapye West	5,379	35,064	301,294	80,543	38,526	36,469	81,738	579,013
Palapye	1,449	3,783	43,656	16,606	13,165	11,995	13,394	104,048
Serowe	1,658	4,229	45,218	18,755	11,935	12,612	16,210	110,617
Bobonong	1,574	3,894	32,714	15,083	9,219	9,086	10,036	81,606
Letlhakane	4,025	10,635	102,576	30,836	23,359	23,518	26,788	221,737
Selebi-Phikwe	341	2,530	8,536	4,458	1,928	2,352	2,403	22,548
CENTRAL REGION	14,996	60,923	552,750	172,601	102,297	100,939	157,560	1,162,066
Tati	89	757	2,509	772	463	778	723	6,091
Tutume	1,990	4,550	46,405	13,799	9,352	8,661	10,967	95,724
Tonota	477	1,586	12,212	5,799	4,014	3,110	3,721	30,919
FRANCISTOWN REGION	2,556	6,893	61,126	20,370	13,829	12,549	15,411	132,734
Ngamiland West	1,839	6,038	49,903	15,497	15,042	9,834	11,033	109,186
Ngamiland East	1,394	4,228	26,624	10,726	6,287	7,034	7,995	64,288
Chobe	193	555	3,344	1,733	1,430	1,095	1,083	9,433
MAUN REGION	3,426	10,821	79,871	27,956	22,759	17,963	20,111	182,907
Gantsi	1,337	1,213	33,512	9,675	5,849	11,916	8,774	72,276
Hukuntsi	231	566	6,757	2,223	1,787	1,825	1,920	15,309
Tsabong	1,283	3,615	36,295	12,985	10,212	8,855	11,982	85,227
WESTERN REGION	2,851	5,394	76,564	24,883	17,848	22,596	22,676	172,812
TOTAL TRADITIONAL	42,177	136,282	1,132,018	358,272	242,803	241,802	315,045	2,468,399

TABLE 4.5 CATTLE HERD COMPOSITION BY SIZE OF CATTLE HOLDINGS

Size of Cattle Holdings	Bulls	Oxen	Cows	Tollies	Heifers	Males Calves	Females Calves	Cattle Population
1 - 10	1,816	3,942	46,131	15,235	11,043	11,759	12,959	102,885
11 - 20	5,317	15,815	109,287	32,944	28,656	31,134	35,853	259,006
21 - 30	5,015	11,483	105,329	32,707	22,936	25,987	31,938	235,395
31 - 40	5,440	10,128	101,753	33,796	25,231	21,848	25,462	223,658
41 - 50	3,692	12,288	84,870	32,149	22,712	19,838	24,010	199,559
51 - 60	1,694	3,104	44,051	14,884	10,383	11,253	13,129	98,498
61 - 100	5,994	13,659	132,700	41,249	25,738	32,642	35,298	287,280
101 - 150	3,292	20,340	129,473	33,008	27,981	24,740	35,184	274,018
151 - 200	3,007	8,890	122,274	20,614	13,494	19,460	34,814	222,553
201 - 250	1,040	2,526	32,650	9,573	7,248	10,110	10,872	74,019
251 - 300	194	1,914	11,460	3,797	2,512	3,078	2,617	25,572
301 - 350	701	1,970	20,196	8,678	6,349	6,370	4,851	49,115
351 - 400	4,328	28,374	165,242	72,970	30,048	20,103	40,548	361,613
401+	647	1,849	26,602	6,668	8,472	3,480	7,510	55,228
TOTAL TRADITIONAL	42,177	136,282	1,132,018	358,272	242,803	241,802	315,045	2,468,399

TABLE 4.6 CATTLE BIRTHS, DEATHS, SALES, HOME SLAUGHTER, PURCHASES AND OFFTAKE BY DISTRICT AND REGION

District/Region	Births	Deaths	Sales	Home Slaughter	Purchases	Offtake
Barolong	5,883	566	1,527	1,086	-	2,613
Ngwaketse South	16,431	4,026	3,171	1,085	166	4,090
Ngwaketse North	11,654	2,855	3,047	813	1,565	2,295
Ngwaketse Central	28,411	2,939	6,368	2,833	120	9,081
Ngwaketse West	16,442	3,158	4,823	1,483	489	5,817
SOUTHERN REGION	78,821	13,544	18,936	7,300	2,340	23,896
Balete/Tlokwen	667	119	134	27	-	161
Kweneng South	23,939	3,116	6,056	3,206	292	8,970
Kweneng North	19,737	3,335	6,516	1,156	108	7,564
Kweneng West	57,705	10,983	18,020	2,556	3,791	16,785
Kgatleng	31,485	11,391	6,269	976	870	6,375
GABORONE REGION	133,533	28,944	36,995	7,921	5,061	39,855
Mahalapye East	13,554	1,004	2,760	1,090	1,771	2,079
Mahalapye West	129,180	16,975	31,537	1,893	1,182	32,248
Palapye	32,792	9,348	4,174	1,205	660	4,719
Serowe	33,285	6,703	6,488	755	599	6,644
Bobonong	21,841	4,666	14,527	1,639	2,024	14,142
Letlhakane	55,327	12,978	18,353	1,439	3,580	16,212
Selebi-Phikwe	5,100	592	2,312	305	63	2,554
CENTRAL REGION	291,079	52,266	80,151	8,326	9,879	78,598
Tati	1,545	487	350	68	34	384
Tutume	21,286	3,843	10,619	1,040	-	11,659
Tonota	8,302	1,636	3,101	376	231	3,246
FRANCISTOWN REGION	31,133	5,966	14,070	1,484	265	15,289
Ngamiland West	24,152	8,901	4,505	844	832	4,517
Ngamiland East	17,002	2,774	6,238	839	95	6,982
Chobe	1,963	787	623	101	66	658
MAUN REGION	43,117	12,462	11,366	1,784	993	12,157
Gantsi	23,748	3,631	7,516	330	627	7,219
Hukuntsi	4,754	1,238	1,804	346	260	1,890
Tsabong	22,504	2,183	10,009	527	157	10,379
WESTERN REGION	51,006	7,052	19,329	1,203	1,044	19,488
TOTAL TRADITIONAL	628,689	120,234	180,847	28,018	19,582	189,283

TABLE 4.7 CATTLE BIRTHS, DEATHS, SALES, HOME SLAUGHTER, PURCHASES AND OFFTAKE BY SIZE OF CATTLE HOLDINGS

Size of Cattle Holding	Births	Deaths	Sales	Home Slaughter	Purchases	Offtake
1 - 10	29,406	7,994	7,908	2,650	4,316	6,242
11 - 20	76,767	18,899	16,614	5,016	3,692	17,938
21 - 30	67,197	18,424	16,579	3,721	855	19,445
31 - 40	53,067	10,724	15,456	3,513	1,018	17,951
41 - 50	50,031	8,414	13,270	2,578	233	15,615
51 - 60	29,277	7,090	10,844	3,532	1,534	12,842
61 - 100	76,539	12,902	19,335	3,362	1,638	21,059
101 - 150	67,823	12,489	13,989	1,160	241	14,908
151 - 200	56,354	5,466	20,340	1,388	173	21,555
201 - 250	24,387	5,084	6,040	220	1,853	4,407
251 - 300	6,349	582	2,607	86	-	2,693
301 - 350	13,340	2,236	8,153	288	1,874	6,567
351 - 400	65,843	7,279	23,901	371	2,080	22,192
401+	12,309	2,651	5,811	133	75	5,869
TOTAL TRADITIONAL	628,689	120,234	180,847	28,018	19,582	189,283

TABLE 4.8 CATTLE SALES (1 - 3 Years) TO DIFFERENT BUYERS BY DISTRICT AND REGION

District/Region	BMC	BMC Agent	Cooperative	Another Farmer	Auction Sale	Municipal Abattoir	Local Abattoir	Trader	Other	Total Sales
Barolong	-	91	-	11	-	-	-	131	380	613
Ngwaketse South	275	245	-	470	-	-	-	172	456	1,618
Ngwaketse North	-	39	78	336	-	33	20	245	589	1,340
Ngwaketse Central	912	16	126	1,106	-	-	240	50	1,050	3,500
Ngwaketse West	643	-	83	792	246	-	260	230	506	2,760
SOUTHERN REGION	1,830	391	287	2,715	246	33	520	828	2,981	9,831
Balete/Tlokweng	24	-	-	97	1	-	-	-	5	127
Kweneng South	-	-	51	119	69	-	-	6	3,354	3,599
Kweneng North	276	183	173	918	666	265	-	54	1,719	4,254
Kweneng West	1,169	103	616	7,490	2,729	-	-	2,153	2,028	16,288
Kgatleng	1,023	175	104	206	-	-	299	52	1,210	3,069
GABORONE REGION	2,492	461	944	8,830	3,465	265	299	2,265	8,316	27,337
Mahalapye East	529	11	105	287	-	-	91	-	512	1,535
Mahalapye West	18,467	821	-	99	-	15	-	7,288	1,864	28,554
Palapye	755	40	169	10	-	443	34	-	2,169	3,620
Serowe	1,681	17	-	542	1,317	60	217	195	1,126	5,155
Bobonong	6,076	454	1,486	3,539	217	-	-	499	176	12,447
Letlhakane	1,421	2,238	2,685	2,020	-	36	923	226	710	10,259
Selebi-Phikwe	33	20	51	209	2	-	1	419	180	915
CENTRAL REGION	28,962	3,601	4,496	6,706	1,536	554	1,266	8,627	6,737	62,485
Tati	-	-	-	16	-	-	-	-	247	263
Tutume	5,739	126	24	1,584	-	-	-	-	1,490	8,963
Tonota	674	-	44	-	-	-	-	-	7	725
FRANCISTOWN REGION	6,413	126	68	1,600	-	-	-	-	1,744	9,951
Ngamiland West	-	-	195	1,788	-	-	84	-	1,899	3,966
Ngamiland East	335	848	-	1,696	59	-	429	-	434	3,801
Chobe	-	-	-	-	-	-	414	-	-	414
MAUN REGION	335	848	195	3,484	59	-	927	-	2,333	8,181
Gantsi	2,526	190	-	154	689	93	223	1,870	198	5,943
Hukuntsi	133	18	-	309	459	-	-	362	133	1,414
Tsabong	1,434	861	722	1,600	40	-	370	578	376	5,981
WESTERN REGION	4,093	1,069	722	2,063	1,188	-	593	2,810	707	13,338
TOTAL TRADITIONAL	44,125	6,496	6,712	25,398	6,494	852	3,605	14,530	22,818	131,123

TABLE 4.9 CATTLE SALES (1-3 Years): REVENUE RECEIVED FROM DIFFERENT BUYERS BY DISTRICT AND REGION (PULA)

District/Region	BMC	BMC Agent	Cooperative	Another Farmer	Auction Sale	municipal Abattoir	Local Abattoir	Trader	Other	Total Revenue
Barolong	-	94,150	-	8,020	-	-	-	82,218	377,557	561,945
Ngwaketse South	231,150	155,334	-	483,611	-	-	-	206,596	419,716	1,496,407
Ngwaketse North	-	58,212	89,258	317,641	-	33,456	13,858	326,558	644,287	1,483,270
Ngwaketse Central	1,033,890	13,019	138,724	1,008,289	-	-	180,195	57,322	1,103,156	3,534,595
Ngwaketse West	650,808	-	78,689	750,742	275,803	-	317,136	236,559	647,853	2,957,590
SOUTHERN REGION	1,915,848	320,715	306,671	2,568,303	275,803	33,456	511,189	909,253	3,192,569	10,033,807
Balete/Tlokweng	25,765	-	-	119,368	998	-	-	-	5,985	152,116
Kweneng South	-	-	114,593	152,266	75,706	-	-	6,976	3,181,184	3,530,725
Kweneng North	194,112	190,047	173,095	775,286	845,593	370,437	-	48,578	2,042,841	4,639,989
Kweneng West	1,486,922	103,128	547,573	9,157,648	2,916,414	-	-	1,982,473	2,374,447	18,568,605
Kgatleng	1,127,041	189,501	121,210	202,885	-	-	308,786	62,354	1,150,586	3,162,363
GABORONE REGION	2,833,840	482,676	956,471	10,407,453	3,838,711	370,437	308,786	2,100,381	8,755,043	30,053,798
Mahalapye East	465,250	17,207	73,779	194,942	-	-	81,522	-	421,487	1,254,187
Mahalapye West	16,880,024	749,334	-	74,610	-	10,984	-	6,657,534	1,589,932	25,962,418
Palapye	747,341	51,602	160,552	7,759	-	467,631	29,072	-	2,134,538	3,598,495
Serowe	1,449,594	18,303	-	626,781	1,112,589	44,922	180,696	139,090	985,540	4,557,515
Bobonong	4,477,342	523,398	1,359,533	3,080,297	182,503	-	-	449,348	166,294	10,238,715
Lethakane	1,470,283	2,064,543	1,832,801	2,064,645	-	19,633	923,592	192,110	650,803	9,218,410
Selebi-Phikwe	47,623	21,780	48,049	177,899	1,926	-	998	306,962	175,412	780,649
CENTRAL REGION	25,537,457	3,446,167	3,474,714	6,226,933	1,297,018	543,170	1,215,880	7,745,044	6,124,006	55,610,389
Tati	-	-	-	15,953	-	-	-	-	197,480	213,433
Tutume	5,679,244	161,121	24,024	1,457,106	-	-	-	-	1,207,649	8,529,144
Tonota	577,643	-	50,351	-	-	-	-	-	9,873	637,867
FRANCISTOWN REGION	6,256,887	161,121	74,375	1,473,059	-	-	-	-	1,415,002	9,380,444
Ngamiland West	-	-	97,703	1,426,297	-	-	117,967	-	1,686,653	3,328,620
Ngamiland East	213,782	722,313	-	1,494,332	59,401	-	334,956	-	393,020	3,217,804
Chobe	-	-	-	-	-	-	291,511	-	-	291,511
MAUN REGION	213,782	722,313	97,703	2,920,629	59,401	-	744,434	-	2,079,673	6,837,935
Gantsi	2,880,506	179,714	-	125,072	703,770	129,228	155,263	1,581,361	191,624	5,946,538
Hukuntsi	175,484	19,652	-	141,417	509,987	-	-	371,100	196,729	1,414,369
Tsabong	1,160,018	1,098,944	505,478	1,610,152	41,176	-	333,249	405,377	317,630	5,472,024
WESTERN REGION	4,216,008	1,298,310	505,478	1,876,641	1,254,933	129,228	488,512	2,357,838	705,983	12,832,931
TOTAL TRADITIONAL	40,973,822	6,431,302	5,415,412	25,473,018	6,725,866	1,076,291	3,268,801	13,112,516	22,272,276	124,749,304

TABLE 4.10 CATTLE PRICES (1 - 3 Years): AVERAGE PRICE PER CATTLE BY DIFFERENT BUYERS, DISTRICT AND REGION (PULA)

District/Region	BMC	BMC Agent	Cooperative	Another Farmer	Auction Sale	municipal Abattoir	Local Abattoir	Trader	Other	Overall Average Price Per Cattle
Barolong	-	1,035	-	729	-	-	-	628	994	917
Ngwaketse South	841	634	-	1,029	-	-	-	1,201	920	925
Ngwaketse North	-	1,493	1,144	945	-	1,014	693	1,333	1,094	1,107
Ngwaketse Central	1,134	814	1,101	912	-	-	751	1,146	1,051	1,010
Ngwaketse West	1,012	-	948	948	1,121	-	1,220	1,029	1,280	1,072
SOUTHERN REGION	1,047	820	1,069	946	1,121	1,014	983	1,098	1,071	1,021
Balele/Tlokweng	1,074	-	-	1,231	998	-	-	-	1,197	1,198
Kweneng South	-	-	2,247	1,280	1,097	-	-	1,163	948	981
Kweneng North	703	1,039	1,001	845	1,270	1,398	-	900	1,188	1,091
Kweneng West	1,272	1,001	889	1,223	1,069	-	-	921	1,171	1,140
Kgatleng	1,102	1,083	1,165	985	-	-	1,033	1,199	951	1,030
GABORONE REGION	1,137	1,047	1,013	1,179	1,108	1,398	1,033	927	1,053	1,099
Mahalapye East	879	1,564	703	679	-	-	896	-	823	817
Mahalapye West	914	913	-	754	-	732	-	913	853	909
Palapye	990	1,290	950	776	-	1,056	855	-	984	994
Serowe	862	1,077	-	1,156	845	749	833	713	875	884
Bobonong	737	1,153	915	870	841	-	-	900	945	823
Letlhakane	1,035	922	683	1,022	-	545	1,001	850	917	899
Selebi-Phikwe	1,443	1,089	942	851	963	-	998	733	975	853
CENTRAL REGION	882	957	773	929	844	980	960	898	909	890
Tati	-	-	-	997	-	-	-	-	800	812
Tutume	990	1,279	1,001	920	-	-	-	-	811	952
Tonota	857	-	1,144	-	-	-	-	-	1,410	880
FRANCISTOWN REGION	976	1,279	1,094	921	-	-	-	-	811	943
Ngamiland West	-	-	501	798	-	-	1,404	-	888	839
Ngamiland East	638	852	-	881	1,007	-	781	-	906	847
Chobe	-	-	-	-	-	-	704	-	-	704
MAUN REGION	638	852	501	838	1,007	-	803	-	891	836
Gantsi	1,140	946	-	812	1,021	1,390	696	846	968	1,001
Hukuntsi	1,319	1,092	-	458	1,111	-	-	1,025	1,479	1,000
Tsabong	809	1,276	700	1,006	1,029	-	901	701	845	915
WESTERN REGION	1,030	1,215	700	910	1,056	-	824	839	999	962
TOTAL TRADITIONAL	929	990	807	1,003	1,036	1,263	907	902	976	951

TABLE 4.11 CATTLE SALES (Over 3 Years) TO DIFFERENT BUYERS BY DISTRICT AND REGION

District/Region	BMC	BMC Agent	Cooperative	Another Farmer	Auction Sale	municipal Abattoir	Local Abattoir	Trader	Other	Total Sales
Barolong	-	-	-	-	-	-	-	825	89	914
Ngwaketse South	534	-	-	-	-	-	744	124	151	1,553
Ngwaketse North	-	-	399	419	-	412	255	39	183	1,707
Ngwaketse Central	253	-	398	455	81	119	120	411	1,031	2,868
Ngwaketse West	1,439	-	-	50	82	-	74	160	258	2,063
SOUTHERN REGION	2,226	-	797	924	163	531	1,193	1,559	1,712	9,105
Balete/Tlokweng	-	-	-	3	2	-	-	-	2	7
Kweneng South	-	-	-	-	-	-	-	-	2,457	2,457
Kweneng North	-	551	-	72	1,091	-	-	-	548	2,262
Kweneng West	497	-	-	456	-	-	-	164	615	1,732
Kgatleng	1,522	658	-	250	-	-	-	-	770	3,200
GABORONE REGION	2,019	1,209	-	781	1,093	-	-	164	4,392	9,658
Mahalapye East	161	-	105	184	-	-	-	211	564	1,225
Mahalapye West	340	45	-	55	1,440	-	17	30	1,056	2,983
Palapye	12	40	-	-	-	468	-	-	34	554
Serowe	822	-	-	9	-	91	-	-	411	1,333
Bobonong	802	140	202	527	6	19	-	-	384	2,080
Letlhakane	3,088	625	347	713	-	73	125	-	3,123	8,094
Selebi-Phikwe	558	-	-	837	2	-	-	-	-	1,397
CENTRAL REGION	5,783	850	654	2,325	1,448	651	142	241	5,572	17,666
Tati	-	-	-	24	-	-	-	-	63	87
Tutume	994	-	-	75	-	-	-	103	484	1,656
Tonota	492	-	311	279	-	-	20	-	1,274	2,376
FRANCISTOWN REGION	1,486	-	311	378	-	-	20	103	1,821	4,119
Ngamiland West	-	-	-	68	-	-	471	-	-	539
Ngamiland East	843	269	422	-	-	-	127	-	776	2,437
Chobe	-	-	-	-	-	-	57	81	71	209
MAUN REGION	843	269	422	68	-	-	655	81	847	3,185
Gantsi	676	140	-	190	369	72	94	-	32	1,573
Hukuntsi	13	-	-	237	-	-	-	140	-	390
Tsabong	2,389	317	148	828	-	-	-	346	-	4,028
WESTERN REGION	3,078	457	148	1,255	369	72	94	486	32	5,991
TOTAL TRADITIONAL	15,435	2,785	2,332	5,731	3,073	1,254	2,104	2,634	14,376	49,724

TABLE 4.12 CATTLE SALES (Over 3 Years): REVENUE RECEIVED FROM DIFFERENT BUYERS BY DISTRICT AND REGION (PULA)

District/Region	BMC	BMC Agent	Cooperative	Another Farmer	Auction Sale	municipal Abattoir	Local Abattoir	Trader	Other	Total Revenue
Barolong	-	-	-	-	-	-	-	614,802	85,809	700,611
Ngwaketse South	587,122	-	-	-	-	-	618,016	101,516	135,758	1,442,412
Ngwaketse North	-	-	371,419	422,083	-	370,968	294,017	46,570	245,550	1,750,607
Ngwaketse Central	163,721	-	350,170	414,161	94,052	104,186	120,130	335,478	965,476	2,547,374
Ngwaketse West	1,639,282	-	-	46,250	86,019	-	86,535	168,244	250,717	2,277,047
SOUTHERN REGION	2,390,125	-	721,589	882,494	180,071	475,154	1,118,698	1,266,610	1,683,310	8,718,051
Balete/Tlokweneng	-	-	-	3,187	2,230	-	-	-	2,081	7,498
Kweneng South	-	-	-	-	-	-	-	-	2,322,522	2,322,522
Kweneng North	-	610,493	-	36,244	1,634,210	-	-	-	657,222	2,938,169
Kweneng West	614,882	-	-	401,967	-	-	-	163,405	415,075	1,595,329
Kgatleng	1,688,557	570,751	-	228,097	-	-	-	-	759,282	3,246,687
GABORONE REGION	2,303,439	1,181,244	-	669,495	1,636,440	-	-	163,405	4,156,182	10,110,205
Mahalapye East	218,404	-	94,859	189,001	-	-	-	142,288	576,465	1,221,017
Mahalapye West	364,024	64,908	-	43,022	1,296,085	-	9,377	35,949	1,005,300	2,818,665
Palapye	16,888	43,663	-	-	-	409,801	-	-	33,757	504,109
Serowe	832,148	-	-	6,336	-	63,060	-	-	384,786	1,286,330
Bobonong	420,814	74,951	242,888	522,235	8,212	22,679	-	-	383,623	1,675,402
Lethakane	3,356,037	529,716	413,214	583,299	-	91,193	99,879	-	3,463,389	8,536,727
Selebi-Phikwe	530,208	-	-	710,758	2,854	-	-	-	-	1,243,820
CENTRAL REGION	5,738,523	713,238	750,961	2,054,651	1,307,151	586,733	109,256	178,237	5,847,320	17,286,070
Tati	-	-	-	23,567	-	-	-	-	63,777	87,344
Tutume	1,060,624	-	-	104,391	-	-	-	248,347	573,583	1,986,945
Tonota	419,605	-	239,789	269,063	-	-	15,691	-	1,151,894	2,096,042
FRANCISTOWN REGION	1,480,229	-	239,789	397,021	-	-	15,691	248,347	1,789,254	4,170,331
Ngamiland West	-	-	-	47,844	-	-	549,582	-	-	597,426
Ngamiland East	766,835	232,757	349,155	-	-	-	117,015	-	716,436	2,182,198
Chobe	-	-	-	-	-	-	54,480	72,519	75,967	202,966
MAUN REGION	766,835	232,757	349,155	47,844	-	-	721,077	72,519	792,403	2,982,590
Gantsi	819,302	179,169	-	290,646	293,367	83,874	131,081	-	24,742	1,822,181
Hukuntsi	13,872	-	-	189,713	-	-	-	164,403	-	367,988
Tsabong	1,996,346	253,751	191,947	616,096	-	-	-	273,434	-	3,331,574
WESTERN REGION	2,829,520	432,920	191,947	1,096,455	293,367	83,874	131,081	437,837	24,742	5,521,743
TOTAL TRADITIONAL	15,508,671	2,560,159	2,253,441	5,147,960	3,417,029	1,145,761	2,095,803	2,366,955	14,293,211	48,788,990

TABLE 4.13 CATTLE PRICES (Over 3 Years): AVERAGE PRICE PER CATTLE BY DIFFERENT BUYERS, DISTRICT AND REGION (PULA)

District/Region	BMC	BMC Agent	Cooperative	Another Farmer	Auction Sale	municipal Abattoir	Local Abattoir	Trader	Other	Overall Average Price per Cattle
Barolong	-	-	-	-	-	-	-	745	964	767
Ngwaketse South	1,099	-	-	-	-	-	831	819	899	929
Ngwaketse North	-	-	931	1,007	-	900	1,153	1,194	1,342	1,026
Ngwaketse Central	647	-	880	910	1,161	876	1,001	816	936	888
Ngwaketse West	1,139	-	-	925	1,049	-	1,169	1,052	972	1,104
SOUTHERN REGION	1,074	-	905	955	1,105	895	938	812	-	958
Balete/Tlokweng	-	-	-	1,062	1,115	-	-	-	1,041	1,071
Kweneng South	-	-	-	-	-	-	-	-	945	945
Kweneng North	-	1,108	-	503	1,498	-	-	-	1,199	1,299
Kweneng West	1,237	-	-	882	-	-	-	996	675	921
Kgatleng	1,109	867	-	912	-	-	-	-	986	1,015
GABORONE REGION	1,141	977	-	857	1,497	-	-	996	946	1,047
Mahalapye East	1,357	-	903	1,027	-	-	-	674	1,022	997
Mahalapye West	1,071	1,442	-	782	900	-	552	1,198	952	945
Palapye	1,407	1,092	-	-	-	876	-	-	993	910
Scrowe	1,012	-	-	704	-	693	-	-	936	965
Bobonong	525	535	1,202	991	1,369	1,194	-	-	999	805
Lethakane	1,087	848	1,191	818	-	1,249	799	-	1,109	1,055
Selebi-Phikwe	950	-	-	849	1,427	-	-	-	-	890
CENTRAL REGION	992	839	1,148	884	903	901	769	740	1,049	978
Tati	-	-	-	982	-	-	-	-	1,012	1,004
Tutume	1,067	-	-	1,392	-	-	-	2,411	1,185	1,200
Tonota	853	-	771	964	-	-	785	-	904	882
FRANCISTOWN REGION	996	-	771	1,050	-	-	785	2,411	983	1,012
Ngamiland West	-	-	-	704	-	-	1,167	-	-	1,108
Ngamiland East	910	865	827	-	-	-	921	-	923	895
Chobe	-	-	-	-	-	-	956	895	1,070	971
MAUN REGION	910	865	827	704	-	-	1,101	895	936	936
Gantsi	1,212	1,280	-	1,530	795	1,165	1,394	-	773	1,158
Hukuntsi	1,067	-	-	800	-	-	-	1,174	-	944
Tsabong	836	800	1,297	744	-	-	-	790	-	827
WESTERN REGION	919	947	1,297	874	795	1,165	1,394	901	773	922
TOTAL TRADITIONAL	1,005	919	966	898	1,112	914	996	899	994	981

TABLE 4.14 TOTAL CATTLE SALES AND TOTAL REVENUE RECEIVED (PULA) BY DISTRICT AND REGION.

District/ Region	Holdings Selling		Total Sales		Total Revenue	Average Revenue	Average Price
	Number	Percentage	Number	Percentage	Received (PULA)	Per Holding (PULA)	Per Cattle (PULA)
Barolong	176	0.6	1,527	0.8	1,262,556	7,174	827
Ngwaketse South	1,050	3.4	3,171	1.8	2,938,819	2,799	927
Ngwaketse North	1,644	5.3	3,047	1.7	3,233,877	1,967	1,061
Ngwaketse Central	2,043	6.6	6,368	3.5	6,081,969	2,977	955
Ngwaketse West	937	3.0	4,823	2.7	5,234,637	5,587	1,085
SOUTHERN REGION	5,850	18.8	18,936	10.5	18,751,858	3,205	990
Balete/Tlokweng	104	0.3	134	0.1	159,614	1,535	1,191
Kweneng South	1,484	4.8	6,056	3.3	5,853,247	3,944	967
Kweneng North	1,576	5.1	6,516	3.6	7,578,158	4,808	1,163
Kweneng West	2,791	9.0	18,020	10.0	20,163,934	7,225	1,119
Kgatleng	1,899	6.1	6,269	3.5	6,409,050	3,375	1,022
GABORONE REGION	7,854	25.2	36,995	20.5	40,164,003	5,114	1,086
Mahalapye East	1,164	3.7	2,760	1.5	2,475,204	2,126	897
Mahalapye West	3,736	12.0	31,537	17.4	28,781,083	7,704	913
Palapye	1,673	5.4	4,174	2.3	4,102,604	2,452	983
Serowe	780	2.5	6,488	3.6	5,843,845	7,492	901
Bobonong	1,505	4.8	14,527	8.0	11,914,117	7,916	820
Letlhakane	1,709	5.5	18,353	10.1	17,755,137	10,389	967
Selcibi-Phikwe	377	1.2	2,312	1.3	2,024,469	5,370	876
CENTRAL REGION	10,944	35.1	80,151	44.3	72,896,459	6,661	909
Tati	140	0.4	350	0.2	300,777	2,148	859
Tutume	1,179	3.8	10,619	5.9	10,516,089	8,919	990
Tonota	534	1.7	3,101	1.7	2,733,909	5,120	882
FRANCISTOWN REGION	1,853	6.0	14,070	7.8	13,550,775	7,313	963
Ngamiland West	1,491	4.8	4,505	2.5	3,926,046	2,633	871
Ngamiland East	882	2.8	6,238	3.4	5,400,002	6,122	866
Chobe	170	0.5	623	0.3	494,477	2,909	794
MAUN REGION	2,543	8.2	11,366	6.3	9,820,525	3,862	864
Gantsi	757	2.4	7,516	4.2	7,768,719	10,263	1,034
Hukuntsi	417	1.3	1,804	1.0	1,782,357	4,274	988
Tsabong	919	3.0	10,009	5.5	8,803,598	9,580	880
WESTERN REGION	2,093	6.7	19,329	10.7	18,354,674	8,770	950
TOTAL TRADITIONAL	31,137	100.0	180,847	100.0	173,538,294	5,573	960

TABLE 5.1 GOATS HOLDINGS AND POPULATION BY DISTRICT AND REGION

District/ Region	Goats Holdings		Total Goats		Average Number of Goats Per Holding
	Number	Percentage	Number	Percentage	
Barolong	1,335	1.6	21,464	1.1	16
Ngwaketse South	2,627	3.2	45,433	2.4	17
Ngwaketse North	4,825	5.9	86,072	4.6	18
Ngwaketse Central	5,278	6.5	104,355	5.5	20
Ngwaketse West	3,165	3.9	70,543	3.7	22
SOUTHERN REGION	17,230	21.2	327,867	17.4	19
Balete/Tlokweng	341	0.4	7,315	0.4	21
Kweneng South	4,744	5.8	96,079	5.1	20
Kweneng North	4,543	5.6	78,362	4.2	17
Kweneng West	5,940	7.3	237,546	12.6	40
Kgatleng	4,613	5.7	76,953	4.1	17
GABORONE REGION	20,181	24.8	496,255	26.3	25
Mahalapye East	3,803	4.7	61,208	3.2	16
Mahalapye West	5,712	7.0	123,595	6.6	22
Palapye	7,735	9.5	120,391	6.4	16
Serowe	2,110	2.6	42,931	2.3	20
Bobonong	3,903	4.8	65,566	3.5	17
Letlhakane	3,350	4.1	131,094	6.9	39
Selibi-Phikwe	690	0.8	14,924	0.8	22
CENTRAL REGION	27,303	33.6	559,709	29.7	20
Tati	1,008	1.2	9,680	0.5	10
Tutume	3,049	3.7	43,232	2.3	14
Tonota	1,975	2.4	28,543	1.5	14
FRANCISTOWN REGION	6,032	7.4	81,455	4.3	14
Ngamiland West	4,134	5.1	149,761	7.9	36
Ngamiland East	2,138	2.6	99,516	5.3	47
Chobe	487	0.6	4,802	0.3	10
MAUN REGION	6,759	8.3	254,079	13.5	38
Gantsi	1,136	1.4	70,843	3.8	62
Hukuntsi	749	0.9	38,058	2.0	51
Tsabong	1,926	2.4	58,322	3.1	30
WESTERN REGION	3,811	4.7	167,223	8.9	44
TOTAL TRADITIONAL	81,316	100.0	1,886,588	100.0	23

TABLE 5.2 GOATS HOLDINGS AND POPULATION BY SIZE OF GOATS HOLDINGS

Size of Goats Holdings	Goats Holdings		Total Goats		Average Number of Goats Per Holding
	Number	Percentage	Number	Percentage	
1 - 10	30,662	37.7	176,957	9.4	6
11 - 20	21,689	26.7	323,573	17.2	15
21 - 30	11,473	14.1	292,654	15.5	26
31 - 40	6,306	7.8	223,498	11.8	35
41 - 50	2,788	3.4	127,474	6.8	46
51 - 60	1,436	1.8	80,703	4.3	56
61 - 70	1,805	2.2	118,408	6.3	66
71 - 80	723	0.9	54,190	2.9	75
81 - 90	694	0.9	59,814	3.2	86
91 - 100	436	0.5	41,678	2.2	96
101+	3,304	4.1	387,639	20.5	117
TOTAL TRADITIONAL	81,316	100.0	1,886,588	100.0	23

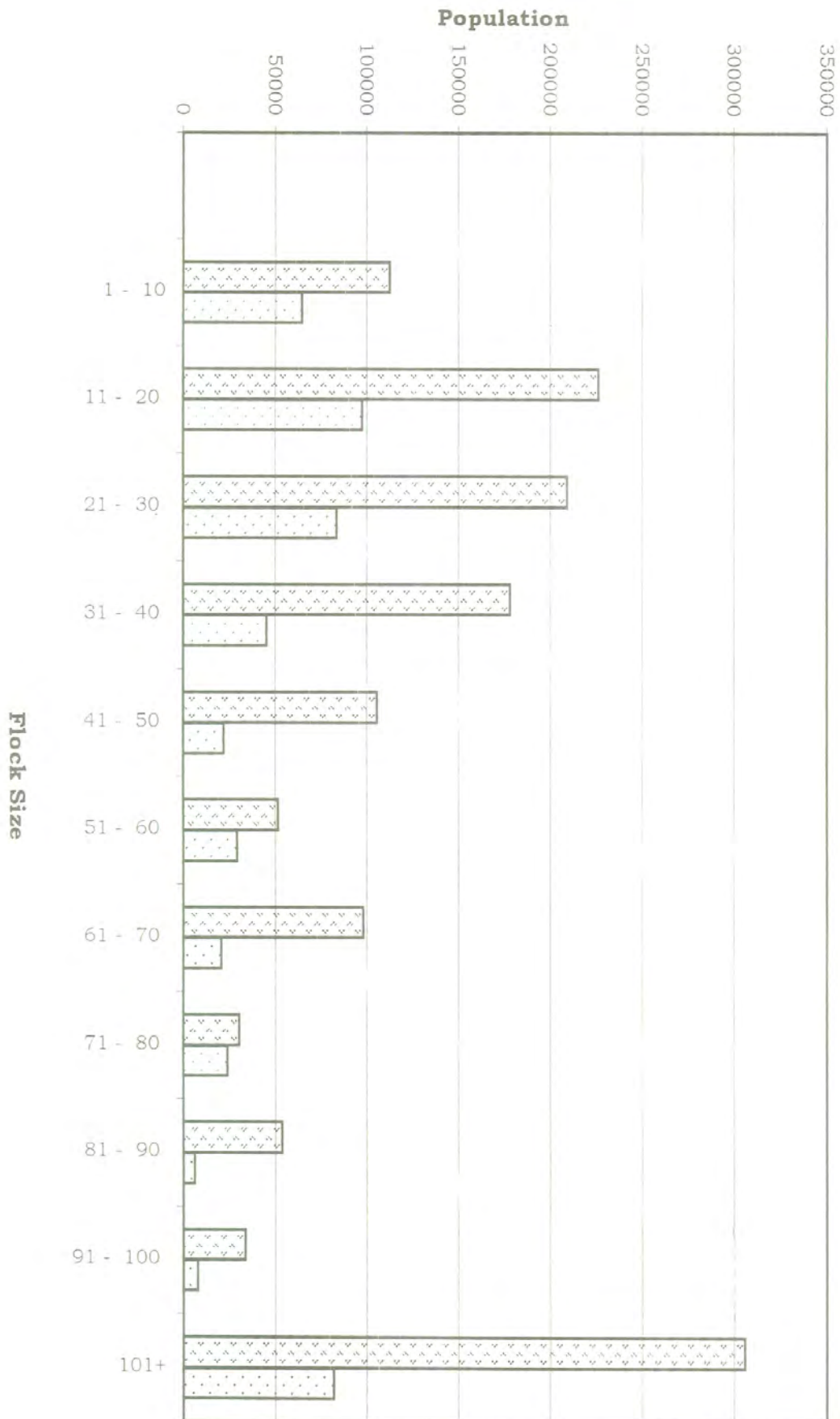


Figure 5.1 Goat Flock Size by Sex of Holder

TABLE 5.3 GOATS FLOCK SIZE BY SEX OF HOLDER

Size of Goats Holdings	Goats Holdings		Total Goats Holdings	Number of Goats		Total Goats
	Male Owned	Female Owned		Male Owned	Female Owned	
1 - 10	18,487	12,175	30,662	112,307	64,650	176,957
11 - 20	15,058	6,631	21,689	226,223	97,350	323,573
21 - 30	8,133	3,340	11,473	209,232	83,422	292,654
31 - 40	5,056	1,250	6,306	178,102	45,396	223,498
41 - 50	2,325	463	2,788	105,533	21,941	127,474
61 - 60	910	526	1,436	51,599	29,104	80,703
61 - 70	1,500	305	1,805	97,826	20,582	118,408
71 - 80	411	312	723	30,286	23,904	54,190
81 - 90	624	70	694	53,797	6,017	59,814
91 - 100	352	84	436	33,769	7,909	41,678
101+	2,579	725	3,304	305,746	81,893	387,639
TOTAL TRADITIONAL	55,435	25,881	81,316	1,404,420	482,168	1,886,588

TABLE 5.4 GOATS FLOCK COMPOSITION BY SEX DISTRICT AND REGION

District/Region	One Year and Over		Under One Year		Total Goats
	Males	Females	Males	Females	
Barolong	4,494	11,082	2,869	3,019	21,464
Ngwaketse South	6,742	25,554	6,588	6,549	45,433
Ngwaketse North	11,714	48,377	12,439	13,542	86,072
Ngwaketse Central	14,311	61,330	14,657	14,057	104,355
Ngwaketse West	9,629	38,697	11,145	11,072	70,543
SOUTHERN REGION	46,890	185,040	47,698	48,239	327,867
Balete/Tlokweneng	939	3,350	1,444	1,582	7,315
Kweneng South	16,111	52,878	14,408	12,682	96,079
Kweneng North	11,124	38,918	12,896	15,424	78,362
Kweneng West	35,020	124,740	41,544	36,242	237,546
Kgatleng	13,501	40,823	10,474	12,155	76,953
GABORONE REGION	76,695	260,709	80,766	78,085	496,255
Mahalapye East	7,987	32,656	10,811	9,754	61,208
Mahalapye West	9,612	65,159	14,720	34,104	123,595
Palapye	13,941	60,227	22,870	23,353	120,391
Serowe	5,405	26,866	4,650	6,010	42,931
Bobonong	9,280	36,788	8,599	10,899	65,566
Letlhakane	18,579	67,737	21,302	23,476	131,094
Selibi-Phikwe	1,339	8,586	2,092	2,907	14,924
CENTRAL REGION	66,143	298,019	85,044	110,503	559,709
Tati	1,342	5,435	1,030	1,873	9,680
Tutume	3,356	24,986	6,315	8,575	43,232
Tonota	4,061	15,489	4,177	4,816	28,543
FRANCISTOWN REGION	8,759	45,910	11,522	15,264	81,455
Ngamiland West	17,515	84,648	24,627	22,972	149,762
Ngamiland East	18,044	53,850	13,691	13,930	99,515
Chobe	844	2,677	667	614	4,802
MAUN REGION	36,403	141,175	38,985	37,516	254,079
Gantsi	8,774	38,195	7,660	16,214	70,843
Hukuntsi	4,843	21,992	5,730	5,493	38,058
Tsabong	8,853	35,203	6,114	8,152	58,322
WESTERN REGION	22,470	95,390	19,504	29,859	167,223
TOTAL TRADITIONAL	257,360	1,026,243	283,519	319,466	1,886,588

TABLE 5.5 GOATS COMPOSITION BY SEX AND SIZE OF GOATS HOLDINGS

Size of Goats Holdings	One Year and Over		Under One Year		Total Goats
	Males	Females	Males	Females	
1 - 10	18,260	101,390	27,795	29,512	176,957
11 - 20	47,401	172,764	49,601	53,807	323,573
21 - 30	48,493	149,248	46,268	48,645	292,654
31 - 40	32,910	116,334	35,327	38,927	223,498
41 - 50	16,563	73,352	18,530	19,029	127,474
61 - 60	9,206	45,726	12,928	12,843	80,703
61 - 70	13,563	65,221	12,992	26,632	118,408
71 - 80	8,478	25,249	10,078	10,385	54,190
81 - 90	5,506	36,685	8,234	9,389	59,814
91 - 100	5,050	23,629	5,897	7,102	41,678
101+	51,930	216,645	55,869	63,195	387,639
TOTAL TRADITIONAL	257,360	1,026,243	283,519	319,466	1,886,588

TABLE 5.6 GOATS BIRTHS, DEATHS, SALES, HOME SLAUGHTER, PURCHASES AND OFFTAKE BY DISTRICT AND REGION

District/Region	Births	Deaths	Sales	Home Slaughter	Purchases	Offtake
Barolong	7,728	1,927	265	1,587	2,567	715
Ngwaketse South	21,081	12,164	404	2,348	993	1,759
Ngwaketse North	35,577	21,889	2,164	3,231	231	5,164
Ngwaketse Central	40,882	15,821	1,636	2,927	240	4,323
Ngwaketse West	30,836	16,996	7,918	2,017	1,937	7,998
SOUTHERN REGION	136,104	68,797	12,387	12,110	5,968	18,529
Balete/Tlokwen	3,553	671	129	234	-	363
Kweneng South	41,484	17,567	2,353	3,326	190	5,489
Kweneng North	39,669	14,097	3,502	4,714	170	8,046
Kweneng West	97,749	32,568	13,139	4,886	13,728	4,297
Kgatleng	30,957	9,789	2,973	3,806	-	6,779
GABORONE REGION	213,412	74,692	22,096	16,966	14,088	24,974
Mahalapye East	29,714	12,057	3,162	2,816	1,278	4,700
Mahalapye West	59,336	15,806	937	3,945	1,086	3,796
Palapye	65,102	32,432	4,024	5,171	632	8,563
Serowe	19,817	11,396	505	1,173	69	1,609
Bobonong	33,560	22,931	4,642	4,069	425	8,286
Lethakane	58,157	20,850	3,934	5,888	1,212	8,610
Selibi-Phikwe	6,182	1,984	294	401	49	646
CENTRAL REGION	271,868	117,456	17,498	23,463	4,751	36,210
Tati	4,847	3,197	204	717	-	921
Tutume	22,050	11,113	2,189	1,413	-	3,602
Tonota	12,355	4,561	581	1,190	72	1,699
FRANCISTOWN REGION	39,252	18,871	2,974	3,320	72	6,222
Ngamiland West	59,909	18,921	5,459	6,285	150	11,594
Ngamiland East	40,985	17,014	5,176	4,652	8,070	1,758
Chobe	2,220	1,375	443	345	48	740
MAUN REGION	103,114	37,310	11,078	11,282	8,268	14,092
Gantsi	30,001	7,831	6,268	2,896	3,598	5,566
Hukuntsi	14,816	4,600	875	1,214	3,549	1,460
Tsabong	17,058	5,087	1,198	3,468	2,184	2,482
WESTERN REGION	61,875	17,518	8,341	7,578	9,331	6,588
TOTAL TRADITIONAL	825,625	334,644	74,374	74,719	42,478	106,615

TABLE 5.7 GOATS BIRTHS, DEATHS, SALES, HOME SLAUGHTER, PURCHASES AND OFFTAKE BY SIZE OF GOATS HOLDINGS

Size of Goats Holdings	Births	Deaths	Sales	Home Slaughter	Purchases	Offtake
1 - 10	96,130	66,469	5,005	10,666	3,752	11,919
11 - 20	154,799	77,107	12,174	17,642	2,833	26,983
21 - 30	129,366	50,308	8,595	11,872	1,662	18,805
31 - 40	100,579	37,572	8,490	8,129	2,209	14,410
41 - 50	49,448	12,268	1,566	4,185	2,402	3,349
61 - 60	34,340	12,847	1,038	2,530	1,004	2,564
61 - 70	45,535	11,104	2,878	4,263	186	6,955
71 - 80	24,728	7,677	2,400	1,759	0	4,159
81 - 90	22,246	7,832	2,211	2,176	1,782	2,605
91 - 100	18,766	8,200	2,401	871	234	3,038
101+	149,688	43,260	27,616	10,626	26,414	11,828
TOTAL TRADITIONAL	825,625	334,644	74,374	74,719	42,478	106,615

TABLE 5.8 GOATS SALES AND REVENUE RECEIVED (PULA) BY DISTRICT AND REGION

District/ Region	Holding Selling		Goats Sold		Total Revenue Received (PULA)	Revenue (PULA) Per Holding	Average Price Per Goat (PULA)
	Number	Percentage	Number	Percentage			
Barolong	105	0.6	265	0.4	52,242	498	197
Ngwaketse South	198	1.1	404	0.5	72,239	365	179
Ngwaketse North	868	5.0	2,164	2.9	390,842	450	181
Ngwaketse Central	594	3.4	1,636	2.2	321,309	541	196
Ngwaketse West	553	3.2	7,918	10.6	1,731,494	3,131	219
SOUTHERN REGION	2,318	13.3	12,387	16.7	2,568,126	1,108	207
Balete/Tlokweng	78	0.4	129	0.2	22,483	288	174
Kweneng South	899	5.2	2,353	3.2	423,126	471	180
Kweneng North	824	4.7	3,502	4.7	515,663	626	147
Kweneng West	1,987	11.4	13,139	17.7	2,946,255	1,483	224
Kgatleng	898	5.2	2,973	4.0	493,829	550	166
GABORONE REGION	4,686	26.9	22,096	29.7	4,401,356	939	199
Mahalapye East	1,248	7.2	3,162	4.3	499,827	401	158
Mahalapye West	608	3.5	937	1.3	135,505	223	145
Palapye	1,445	8.3	4,024	5.4	650,728	450	162
Serowe	247	1.4	505	0.7	79,446	322	157
Bobonong	1,067	6.1	4,642	6.2	636,475	597	137
Lethakane	766	4.4	3,934	5.3	683,289	892	174
Selibi-Phikwe	89	0.5	294	0.4	51,414	578	175
CENTRAL REGION	5,470	31.4	17,498	23.5	2,736,684	500	156
Tati	110	0.6	204	0.3	29,543	269	145
Tutume	983	5.6	2,189	2.9	298,999	304	137
Tonota	234	1.3	581	0.8	66,904	286	115
FRANCISTOWN REGION	1,327	7.6	2,974	4.0	395,446	298	133
Ngamiland West	1,440	8.3	5,459	7.3	1,137,218	790	208
Ngamiland East	900	5.2	5,176	7.0	1,233,843	1,371	238
Chobe	106	0.6	443	0.6	51,889	490	117
MAUN REGION	2,446	14.0	11,078	14.9	2,422,950	991	219
Gantsi	393	2.3	6,268	8.4	1,378,963	3,509	220
Hukuntsi	206	1.2	875	1.2	120,027	583	137
Tsabong	581	3.3	1,198	1.6	240,422	414	201
WESTERN REGION	1,180	6.8	8,341	11.2	1,739,412	1,474	209
TOTAL TRADITIONAL	17,427	100.0	74,374	100.0	14,263,974	818	192

TABLE 5.9 SHEEP HOLDINGS AND POPULATION BY DISTRICT AND REGION

District/ Region	Sheep Holdings		Total Sheep		Average Number of Sheep Per Holding
	Number	Percentage	Number	Percentage	
Barolong	645	2.8	5,620	1.8	9
Ngwaketse South	1,375	6.0	18,976	6.2	14
Ngwaketse North	1,531	6.7	15,203	5.0	10
Ngwaketse Central	2,224	9.7	25,763	8.4	12
Ngwaketse West	1,801	7.8	25,016	8.2	14
SOUTHERN REGION	7,576	32.9	90,578	29.6	12
Balete/Tlokweng	198	0.9	1,825	0.6	9
Kweneng South	2,293	10.0	19,998	6.5	9
Kweneng North	1,106	4.8	12,087	3.9	11
Kweneng West	1,549	6.7	26,244	8.6	17
Kgatleng	1,016	4.4	5,501	1.8	5
GABORONE REGION	6,162	26.8	65,655	21.4	11
Mahalapye East	709	3.1	8,340	2.7	12
Mahalapye West	1,264	5.5	15,074	4.9	12
Palapye	1,831	8.0	16,611	5.4	9
Serowe	394	1.7	3,777	1.2	10
Bobonong	485	2.1	4,640	1.5	10
Letlhakane	924	4.0	21,497	7.0	23
Selibi-Phikwe	186	0.8	3,104	1.0	17
CENTRAL REGION	5,793	25.2	73,043	23.8	13
Tati	97	0.4	761	0.2	8
Tutume	424	1.8	3,976	1.3	9
Tonota	519	2.3	4,293	1.4	8
FRANCISTOWN REGION	1,040	4.5	9,030	2.9	9
Ngamiland West	628	2.7	28,892	9.4	46
Ngamiland East	544	2.4	9,656	3.2	18
Chobe	-	-	-	-	-
MAUN REGION	1,172	5.1	38,548	12.6	33
Gantsi	213	0.9	9,957	3.3	47
Hukuntsi	176	0.8	6,820	2.2	39
Tsabong	879	3.8	12,706	4.1	14
WESTERN REGION	1,268	5.5	29,483	9.6	23
TOTAL TRADITIONAL	23,011	100.0	306,337	100.0	13

Figure 5.2 Sheep Flock Size by Sex of Holder

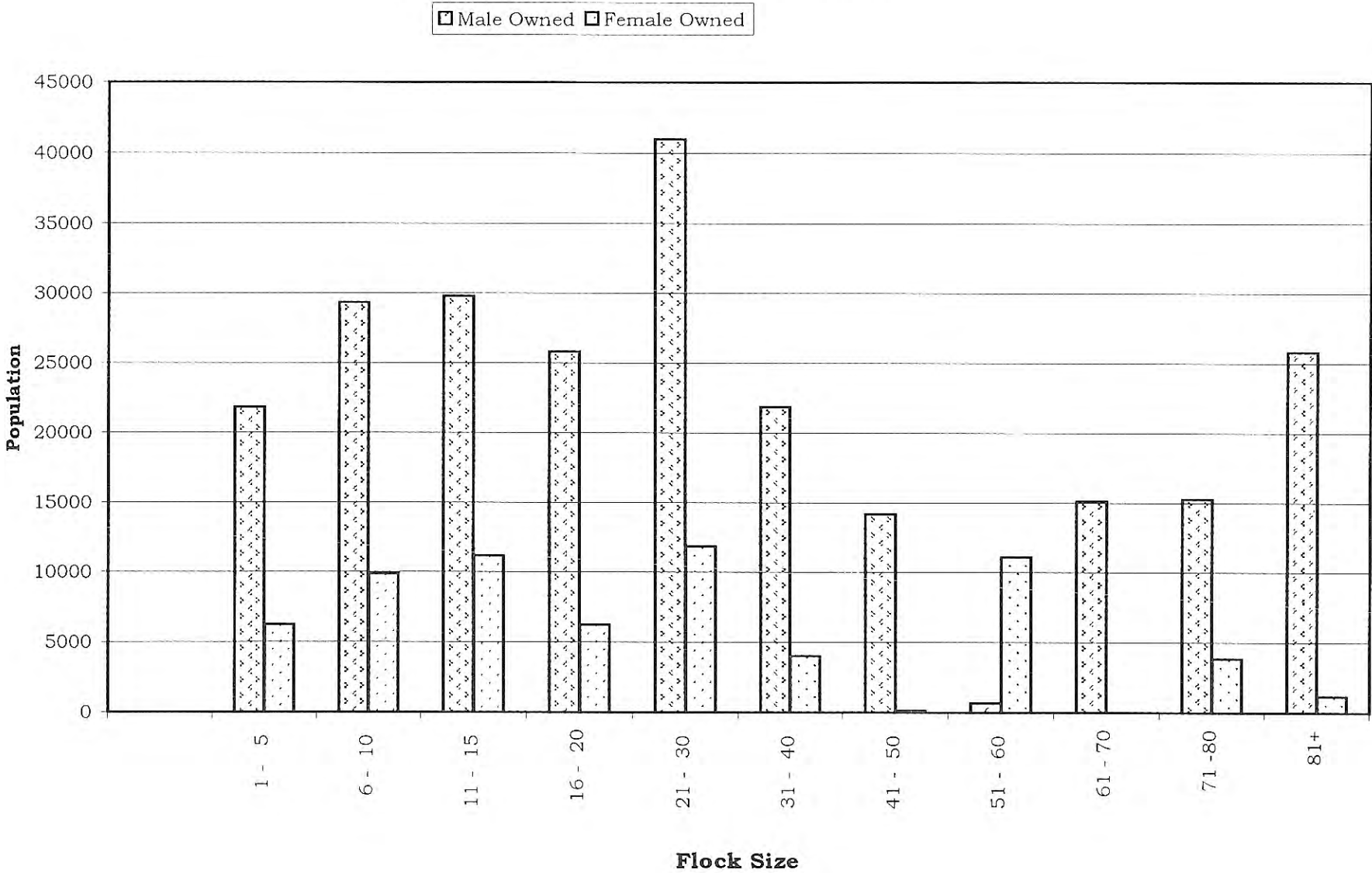


TABLE 5.12 SHEEP FLOCK COMPOSITION BY SEX, DISTRICT AND REGION

District/Region	One Year and Over		Under One Year		Total Sheep
	Males	Females	Males	Females	
Barolong	674	3,867	619	460	5,620
Ngwaketse South	2,965	11,542	1,939	2,530	18,976
Ngwaketse North	1,937	9,035	1,974	2,257	15,203
Ngwaketse Central	4,448	13,596	4,066	3,653	25,763
Ngwaketse West	2,568	16,233	2,481	3,734	25,016
SOUTHERN REGION	12,592	54,273	11,079	12,634	90,578
Balete/Tlokweng	540	857	203	225	1,825
Kweneng South	4,619	10,566	2,496	2,317	19,998
Kweneng North	1,142	6,376	2,110	2,459	12,087
Kweneng West	4,966	14,465	3,513	3,300	26,244
Kgatleng	1,087	2,905	695	814	5,501
GABORONE REGION	12,354	35,169	9,017	9,115	65,655
Mahalapye East	835	4,956	1,612	937	8,340
Mahalapye West	806	12,402	776	1,090	15,074
Palapye	2,462	10,174	1,974	2,001	16,611
Serowe	946	2,330	257	244	3,777
Bobonong	629	2,751	472	788	4,640
Letlhakane	3,356	11,831	2,949	3,361	21,497
Selibi-Phikwe	391	1,720	230	763	3,104
CENTRAL REGION	9,425	46,164	8,270	9,184	73,043
Tati	77	506	93	86	762
Tutume	548	2,630	252	546	3,976
Tonota	812	2,389	646	446	4,293
FRANCISTOWN REGION	1,437	5,525	991	1,078	9,031
Ngamiland West	5,967	16,330	3,769	2,826	28,892
Ngamiland East	1,746	5,972	827	1,111	9,656
Chobe	-	-	-	-	-
MAUN REGION	7,713	22,302	4,596	3,937	38,548
Gantsi	1,296	5,288	1,550	1,823	9,957
Hukuntsi	709	3,804	1,279	1,028	6,820
Tsabong	2,577	7,662	1,128	1,339	12,706
WESTERN REGION	4,582	16,754	3,956	4,190	29,483
TOTAL TRADITIONAL	48,103	180,187	37,909	40,138	306,337

TABLE 5.13 SHEEP FLOCK COMPOSITION BY SEX AND FLOCK SIZE

Size of Sheep Holdings	One Year and Over		Under One Year		Total Sheep
	Males	Females	Males	Females	
1 - 5	3,590	17,666	2,599	4,195	28,050
6 - 10	7,002	21,809	5,017	5,373	39,201
11 - 15	6,991	25,361	3,972	4,642	40,966
16 - 20	6,668	17,220	4,129	4,056	32,073
21 - 30	6,986	32,724	7,119	5,999	52,828
31 - 40	4,515	14,538	3,109	3,710	25,872
41 - 50	2,099	9,568	1,061	1,599	14,327
51 - 60	746	7,257	2,098	1,679	11,780
61 - 70	3,563	8,067	2,117	1,399	15,146
71 - 80	2,368	11,058	3,014	2,667	19,107
81 +	3,575	14,919	3,674	4,819	26,987
TOTAL TRADITIONAL	48,103	180,187	37,909	40,138	306,337

TABLE 5.14 SHEEP BIRTHS, DEATHS, SALES, HOME SLAUGHTER, PURCHASES AND OFFTAKE BY DISTRICT AND REGION

District/Region	Births	Deaths	Sales	Home Slaughter	Purchases	Offtake
Barolong	1,412	754	2,574	1,556	-	4,130
Ngwaketse South	6,566	2,159	1,454	1,129	86	2,497
Ngwaketse North	5,359	2,002	288	457	324	421
Ngwaketse Central	8,986	2,960	324	315	240	399
Ngwaketse West	7,902	2,694	38	293	306	25
SOUTHERN REGION	30,225	10,569	4,678	3,750	956	7,472
Balete/Tlokweng	430	3	2	-	35	33
Kweneng South	6,586	3,005	271	720	281	710
Kweneng North	5,582	1,521	123	545	-	668
Kweneng West	7,969	3,548	198	999	105	1,092
Kgatleng	2,040	375	24	56	59	21
GABORONE REGION	22,607	8,452	618	2,320	480	2,458
Mahalapye East	3,189	999	69	191	411	151
Mahalapye West	2,990	5,388	99	2,308	8	2,399
Palapye	6,653	3,756	1,002	481	12	1,471
Serowe	1,176	1,226	109	89	34	164
Bobonong	2,007	1,108	446	90	85	451
Letlhakane	8,993	2,656	811	996	595	1,212
Selibi-Phikwe	1,048	1,785	26	22	-	48
CENTRAL REGION	26,056	16,918	2,562	4,177	1,145	5,594
Tati	179	80	-	-	-	-
Tutume	1,181	938	167	131	35	263
Tonota	1,430	360	84	205	27	262
FRANCISTOWN REGION	2,790	1,378	251	336	62	525
Ngamiland West	7,066	942	-	628	-	628
Ngamiland East	3,650	2,854	627	688	99	1,216
Chobe	-	-	-	-	-	-
MAUN REGION	10,716	3,796	627	1,316	99	1,844
Gantsi	4,043	1,376	1,100	93	1,314	121
Hukuntsi	2,619	371	3	181	1,903	1,719
Tsabong	3,258	2,656	1,073	713	631	1,155
WESTERN REGION	9,920	4,403	2,176	987	3,848	685
TOTAL TRADITIONAL	102,314	45,516	10,912	12,886	6,590	17,208

TABLE 5.15 SHEEP BIRTHS, DEATHS, SALES, HOME SLAUGHTER, PURCHASES AND OFFTAKE BY SIZE OF SHEEP HOLDINGS

Size of Sheep Holding	Births	Deaths	Sales	Home Slaughter	Purchases	Offtake
1 - 5	11,775	13,380	3,225	3,691	1,508	5,408
6 - 10	13,598	6,855	500	689	1,031	158
11 - 15	11,252	7,261	1,678	2,936	624	3,990
16 - 20	11,295	3,987	769	1,717	266	2,220
21 - 30	16,703	4,502	1,610	1,784	35	3,359
31 - 40	7,918	1,549	238	525	13	750
41 - 50	5,441	3,082	993	373	86	1,280
51 - 60	3,844	82	87	439	9	517
61 - 70	4,214	1,276	176	69	1,080	835
71 - 80	5,915	465	334	340	1,897	1,223
81+	10,359	3,075	1,302	324	41	1,585
TOTAL TRADITIONAL	102,314	45,514	10,912	12,887	6,590	17,209

TABLE 5.16 SHEEP SALES AND REVENUE RECEIVED (PULA) BY DISTRICT AND REGION

District/ Region	Holdings Selling		Total Sales		Total Revenue	Revenue (PULA)	Average Price
	Number	Percentage	Number	Percentage	Received (PULA)	Per Holding	Per Sheep (PULA)
Barolong	262	9.7	2,574	23.6	208,998	798	81
Ngwaketse South	417	15.5	1,454	13.3	276,863	664	190
Ngwaketse North	208	7.7	288	2.6	61,911	298	215
Ngwaketse Central	111	4.1	324	3.0	71,476	644	221
Ngwaketse West	15	0.6	38	0.3	6,237	416	164
SOUTHERN REGION	1,013	37.5	4,678	42.9	625,485	617	134
Balete/Tlokweng	2	0.1	2	0.0	434	217	217
Kweneng South	64	2.4	271	2.5	43,380	678	160
Kweneng North	49	1.8	123	1.1	16,738	342	136
Kweneng West	181	6.7	198	1.8	50,902	281	257
Kgatleng	20	0.7	24	0.2	2,601	130	108
GABORONE REGION	316	11.7	618	5.7	114,055	361	185
Mahalapye East	11	0.4	69	0.6	10,324	939	150
Mahalapye West	63	2.3	99	0.9	13,027	207	132
Palapye	311	11.5	1,002	9.2	114,328	368	114
Serowe	58	2.1	109	1.0	15,341	265	141
Bobonong	232	8.6	446	4.1	66,216	285	148
Letlhakane	157	5.8	811	7.4	96,964	618	120
Selibi-Phikwe	26	1.0	26	0.2	4,287	165	165
CENTRAL REGION	858	31.8	2,562	23.5	320,487	374	125
Tati	-	0.0	-	0.0	-	-	-
Tutume	87	3.2	167	1.5	32,865	378	197
Tonota	84	3.1	84	0.8	10,061	120	120
FRANCISTOWN REGION	171	6.3	251	2.3	42,926	251	171
Ngamiland West	-	0.0	-	0.0	-	-	-
Ngamiland East	97	3.6	627	5.7	194,801	2,008	311
Chobe	-	0.0	-	0.0	-	-	-
MAUN REGION	97	3.6	627	5.7	194,801	2,008	311
Gantsi	95	3.5	1,100	10.1	279,642	2,944	254
Hukuntsi	1	0.0	3	0.0	588	588	196
Tsabong	147	5.4	1,073	9.8	274,933	1,870	256
WESTERN REGION	243	9.0	2,176	19.9	555,163	2,285	255
TOTAL TRADITIONAL	2,698	100.0	10,912	100.0	1,852,917	687	170

Figure 6.1 Other Livestock By Region

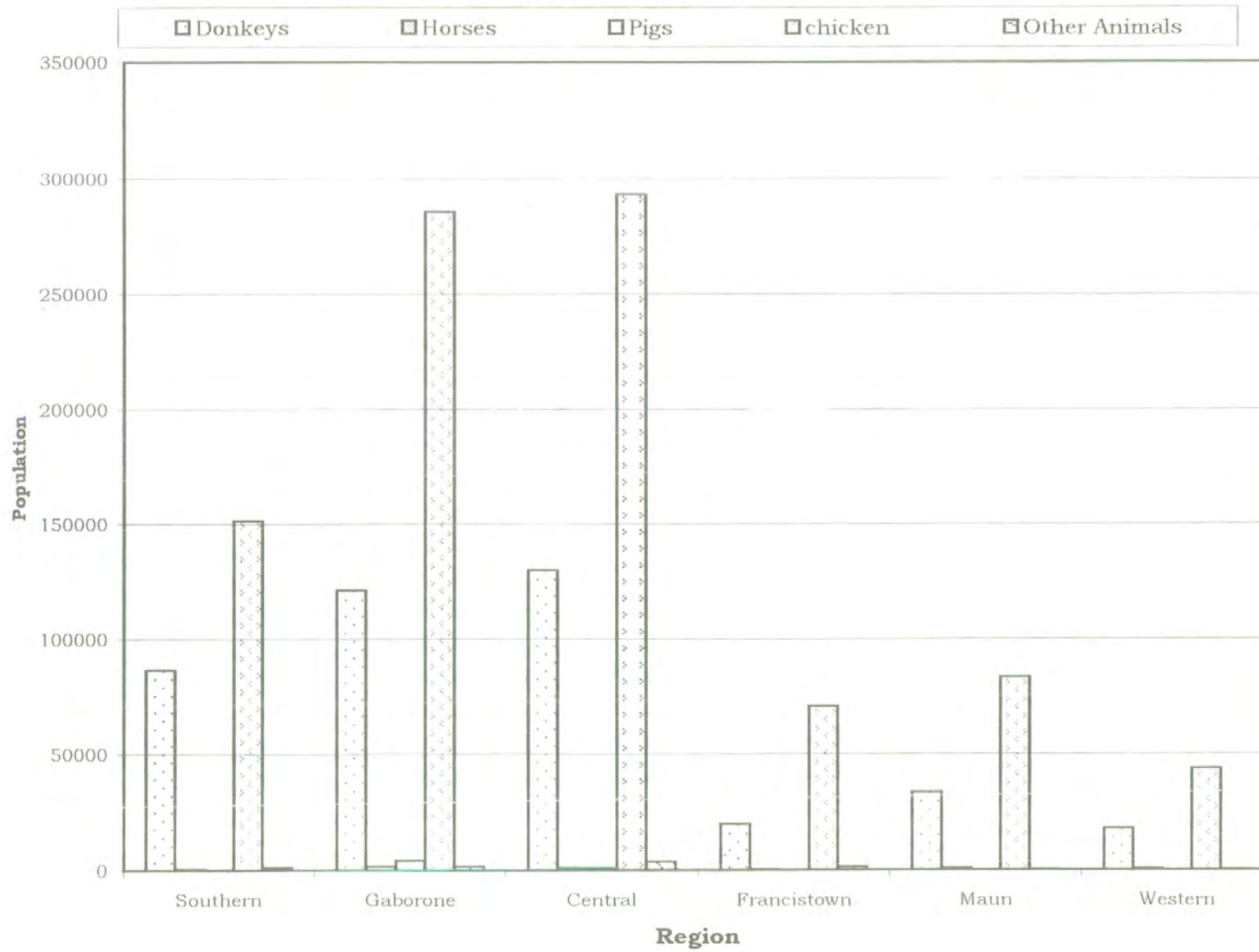


TABLE 6.1: DONKEYS: TOTAL HOLDINGS AND POPULATION BY DISTRICT AND REGION

District/ Region	Donkey Holdings		Total Donkeys		Average Number of Donkeys Per Holding
	Number	Percentage	Number	Percentage	
Barolong	927	1.7	8,762	2.1	9
Ngwaketse South	2,026	3.7	16,729	4.1	8
Ngwaketse North	2,903	5.3	26,682	6.5	9
Ngwaketse Central	2,355	4.3	16,687	4.1	7
Ngwaketse West	2,489	4.6	17,862	4.4	7
SOUTHERN REGION	10,700	19.7	86,722	21.2	8
Balete/Tlokweng	244	0.4	2,172	0.5	9
Kweneng South	2,816	5.2	19,616	4.8	7
Kweneng North	3,130	5.8	24,516	6.0	8
Kweneng West	3,660	6.7	32,711	8.0	9
Kgatleng	1,811	3.3	42,276	10.3	23
GABORONE REGION	11,661	21.4	121,291	29.6	10
Mahalapye East	2,463	4.5	17,775	4.3	7
Mahalapye West	3,265	6.0	24,470	6.0	7
Palapye	4,690	8.6	26,035	6.4	6
Serowe	1,815	3.3	12,073	2.9	7
Letlhakane	3,084	5.7	27,559	6.7	9
Bobonong	2,566	4.7	16,977	4.1	7
Selebi-Phikwe	527	1.0	5,090	1.2	10
CENTRAL REGION	18,410	33.9	129,979	31.8	7
Tati	300	0.6	2,150	0.5	7
Tutume	1,863	3.4	10,249	2.5	6
Tonota	1,120	2.1	7,436	1.8	7
FRANCISTOWN REGION	3,283	6.0	19,835	4.8	6
Ngamiland West	5,090	9.4	23,398	5.7	5
Ngamiland East	1,737	3.2	10,092	2.5	6
Chobe	38	0.1	181	0.0	5
MAUN REGION	6,865	12.6	33,671	8.2	5
Gantsi	1,136	2.1	4,739	1.2	4
Tsabong	553	1.0	2,450	0.6	4
Hukuntsi	1,758	3.2	10,633	2.6	6
WESTERN REGION	3,447	6.3	17,822	4.4	5
TOTAL TRADITIONAL	54,366	100.0	409,320	100.0	8

TABLE 6.2 DONKEYS: TOTAL SALES AND TOTAL REVENUE BY DISTRICT AND REGION

District/ Region	Holdings Selling		Total Sales		Total Revenue Received (PULA)	Revenue Per Holding (PULA)	Average Price Per Donkey (PULA)
	Number	Percentage	Number	Percentage			
Barolong	-	-	-	-	-	-	-
Ngwaketse South	574	4.4	1,494	3.5	200,521	349	134
Ngwaketse North	2,702	20.5	6,435	14.9	975,591	361	152
Ngwaketse Central	-	-	-	-	-	-	-
Ngwaketse West	4,817	36.6	17,038	39.4	3,897,112	809	229
SOUTHERN REGION	8,093	61.5	24,967	57.7	5,073,224	627	203
Balete/Tlokweneng	-	-	-	-	-	-	-
Kweneng South	139	1.1	278	0.6	55,554	400	200
Kweneng North	231	1.8	1,385	10.5	207,715	1,578	150
Kweneng West	1,575	12.0	4,726	10.9	740,379	470	157
Kgatlang	-	-	-	-	-	-	-
GABORONE REGION	1,945	14.8	6,389	14.8	1,003,648	516	157
Mahalapye East	-	-	-	-	-	-	-
Mahalapye West	619	4.7	3,987	9.2	588,316	950	148
Palapye	32	0.2	63	0.1	9,501	297	151
Serowe	-	-	-	-	-	-	-
Letlhakane	94	0.7	189	0.4	23,624	251	125
Bobonong	880	6.7	2,246	5.2	316,876	360	141
Selebi-Phikwe	-	-	-	-	-	-	-
CENTRAL REGION	1,625	12.3	6,485	15.0	938,317	577	145
Tati	120	0.9	479	1.1	95,824	799	200
Tutume	147	1.1	294	0.7	44,112	300	150
Tonota	196	1.5	490	1.1	63,253	323	129
FRANCISTOWN REGION	463	3.5	1,263	2.9	203,189	439	161
Ngamiland West	117	0.9	1,464	3.4	219,623	1,877	150
Ngamiland East	566	4.3	1,843	4.3	290,051	512	157
Chobe	-	-	-	-	-	-	-
MAUN REGION	683	5.2	3,307	7.6	509,674	746	154
Gantsi	116	0.9	116	0.3	13,912	120	120
Tsabong	34	0.3	34	0.1	17,259	508	508
Hukuntsi	202	1.5	702	1.6	131,837	653	188
WESTERN REGION	352	2.7	852	2.0	163,008	463	191
TOTAL TRADITIONAL	13,161	100.0	43,263	100.0	7,891,060	600	182

TABLE 6.3 CHICKENS: TOTAL HOLDINGS AND POPULATION BY DISTRICT AND REGION

District/ Region	Chicken Holdings		Total Chickens		Average Number of Chickens Per Holding
	Number	Percentage	Number	Percentage	
Barolong	1,647	2.1	18,249	2.0	11
Ngwaketse South	2,373	3.1	28,321	3.1	12
Ngwaketse North	4,604	5.9	36,008	3.9	8
Ngwaketse Central	4,592	5.9	39,998	4.3	9
Ngwaketse West	2,162	2.8	28,757	3.1	13
SOUTHERN REGION	15,378	19.8	151,333	16.3	10
Balete/Tlokweng	351	0.5	6,443	0.7	18
Kweneng South	4,254	5.5	58,321	6.3	14
Kweneng North	4,388	5.7	101,437	10.9	23
Kweneng West	3,681	4.7	41,233	4.4	11
Kgatleng	5,214	6.7	78,209	8.4	15
GABORONE REGION	17,888	23.1	285,643	30.8	16
Mahalapye East	3,778	4.9	36,810	4.0	10
Mahalapye West	6,189	8.0	79,551	8.6	13
Palapye	7,595	9.8	91,962	9.9	12
Serowe	2,491	3.2	20,442	2.2	8
Letlhakane	2,741	3.5	28,002	3.0	10
Bobonong	2,896	3.7	29,901	3.2	10
Selebi-Phikwe	616	0.8	6,426	0.7	10
CENTRAL REGION	26,306	33.9	293,094	31.6	11
Tati	911	1.2	10,815	1.2	12
Tutume	3,804	4.9	42,304	4.6	11
Tonota	1,813	2.3	17,799	1.9	10
FRANCISTOWN REGION	6,528	8.4	70,918	7.6	11
Ngamiland West	4,518	5.8	44,659	4.8	10
Ngamiland East	2,151	2.8	31,534	3.4	15
Chobe	675	0.9	7,356	0.8	11
MAUN REGION	7,344	9.5	83,549	9.0	11
Gantsi	1,813	2.3	21,593	2.3	12
Tsabong	801	1.0	8,805	0.9	11
Hukuntsi	1,501	1.9	13,303	1.4	9
WESTERN REGION	4,115	5.3	43,701	4.7	11
TOTAL TRADITIONAL	77,559	100.0	928,238	100.0	12

TABLE 6.4 CHICKENS: TOTAL SALES AND HOLDINGS SELLING, TOTAL REVENUE AND AVERAGE PRICES BY DISTRICT AND REGION

District/ Region	Holdings Selling		Total Sales		Total Revenue	Revenue	Average Price
	Number	Percentage	Number	Percentage	Received (PULA)	Per Holding (PULA)	Per Chicken(PULA)
Barolong	-	-	-	-	-	-	-
Ngwaketse South	314	7.3	2,669	6.8	50,331	160	19
Ngwaketse North	578	13.4	3,132	8.0	47,341	82	15
Ngwaketse Central	468	10.8	3,034	7.8	45,256	97	15
Ngwaketse West	223	5.2	1,635	4.2	33,889	152	21
SOUTHERN REGION	1,583	36.6	10,470	26.9	176,816	112	17
Balete/Tlokweneng	3	0.1	9	0.0	215	72	24
Kweneng South	135	3.1	2,548	6.5	35,987	267	14
Kweneng North	336	7.8	10,926	28.0	167,275	498	15
Kweneng West	323	7.5	1,234	3.2	27,216	84	22
Kgatlang	224	5.2	6,227	16.0	111,244	497	18
GABORONE REGION	1,021	23.6	20,944	53.7	341,936	335	16
Mahalapye East	121	2.8	567	1.5	11,173	92	20
Mahalapye West	178	4.1	662	1.7	10,803	61	16
Palapye	298	6.9	1,316	3.4	26,310	88	20
Serowe	15	0.3	49	0.1	814	54	17
Letlhakane	12	0.3	102	0.3	3,030	253	30
Bobonong	68	1.6	287	0.7	6,740	99	23
Selebi-Phikwe	25	0.6	277	0.7	5,435	217	20
CENTRAL REGION	717	16.6	3,260	8.4	64,305	90	20
Tati	34	0.8	179	0.5	2,374	70	13
Tutume	89	2.1	97	0.2	1,932	22	20
Tonota	17	0.4	26	0.1	430	25	17
FRANCISTOWN REGION	140	3.2	302	0.8	4,735	34	16
Ngamiland West	225	0.6	1,393	3.6	21,814	97	16
Ngamiland East	261	6.0	1,455	3.7	33,542	129	23
Chobe	5	0.1	21	0.1	537	107	26
MAUN REGION	491	11.3	2,869	7.4	55,893	114	19
Gantsi	110	2.5	471	1.2	10,832	98	23
Tsabong	51	1.2	241	0.6	7,182	141	30
Hukuntsi	215	5.0	427	1.1	8,110	38	19
WESTERN REGION	376	8.7	1,139	2.9	26,124	69	23
TOTAL TRADITIONAL	4,328	100.0	38,984	100.0	669,808	155	17

TABLE 6.5: DONKEYS: TOTAL HOLDINGS AND POPULATION BY SIZE OF DONKEYS HOLDINGS

Size of Donkeys Holdings	Donkeys Holdings		Total Donkeys		Average Number of Donkeys Per Holding
	Number	Percentage	Number	Percentage	
1 - 5	26,911	49.5	85,427	20.9	3
6 - 10	19,301	35.5	149,014	36.4	8
11 - 15	4,584	8.4	60,236	14.7	13
16+	3,570	6.6	114,643	28.0	32
TOTAL TRADITIONAL	54,366	100.0	409,320	100.0	8

TABLE 6.6: CHICKEN: TOTAL HOLDINGS AND POPULATION BY SIZE CHICKENS HOLDINGS

Size of Chickens Holdings	Chickens Holdings		Total Chickens		Average Number of Chickens Per Holding
	Number	Percentage	Number	Percentage	
1 - 5	26,470	34.1	89,323	9.6	3
6 - 10	22,430	28.9	190,449	20.5	8
11 - 15	11,193	14.4	150,672	16.2	13
16 - 20	7,428	9.6	137,918	14.9	19
21 - 25	2,845	3.7	66,619	7.2	23
26 - 30	3,736	4.8	108,743	11.7	29
31 +	3,457	4.5	184,514	19.9	53
TOTAL TRADITIONAL	77,559	100.0	928,238	100.0	12

TABLE 6.7 HORSES: TOTAL HOLDINGS AND POPULATION BY REGION

Region	Horses Holdings		Total Horses		Average Number of Horses Per Holding
	Number	Percentage	Number	Percentage	
SOUTHERN REGION	94	7.5	341	7.3	4
GABORONE REGION	432	34.3	1,534	32.9	4
CENTRAL REGION	310	24.6	1,154	24.7	4
FRANCISTOWN REGION	25	2.0	163	3.5	7
MAUN REGION	201	16.0	794	17.0	4
WESTERN REGION	197	15.6	682	14.6	3
TOTAL TRADITIONAL	1,259	100.0	4,668	100.0	4

TABLE 6.8 PIGS: TOTAL HOLDINGS AND POPULATION BY REGION

Region	Pigs Holdings		Total Pigs		Average Number of Pigs Per Holding
	Number	Percentage	Number	Percentage	
SOUTHERN REGION	151	27.6	151	2.8	1
GABORONE REGION	151	27.6	3,962	74.1	26
CENTRAL REGION	246	44.9	1,234	23.1	5
FRANCISTOWN REGION	-	-	-	-	-
MAUN REGION	-	-	-	-	-
WESTERN REGION	-	-	-	-	-
TOTAL TRADITIONAL	548	100.0	5,347	100.0	10

TABLE 6.9 DOGS: TOTAL HOLDINGS AND POPULATION BY REGION

Region	Dogs Holdings		Total Dogs		Average Number of Dogs Per Holding
	Number	Percentage	Number	Percentage	
SOUTHERN REGION	1,666	22.3	3,628	20.4	2
GABORONE REGION	1,794	24.0	3,852	21.6	2
CENTRAL REGION	2,487	33.2	6,686	37.6	3
FRANCISTOWN REGION	620	8.3	1,337	7.5	2
MAUN REGION	585	7.8	1,472	8.3	3
WESTERN REGION	334	4.5	818	4.6	2
TOTAL TRADITIONAL	7,486	100.0	17,793	100.0	2

TABLE 6.10: OTHER ANIMALS: TOTAL HOLDINGS AND POPULATION BY REGION

Region	Other Animals Holdings		Total Other Animals		Average Number of Other Animals Per Holding
	Number	Percentage	Number	Percentage	
SOUTHERN REGION	564	25.1	1,084	13.3	2
GABORONE REGION	693	30.9	1,484	18.2	2
CENTRAL REGION	682	30.4	3,714	45.6	5
FRANCISTOWN REGION	117	5.2	1,353	16.6	12
MAUN REGION	127	5.7	237	2.9	2
WESTERN REGION	61	2.7	268	3.3	4
TOTAL TRADITIONAL	2,244	100.0	8,140	100.0	4

Figure 7.1 Area Planted and Total Production by Region

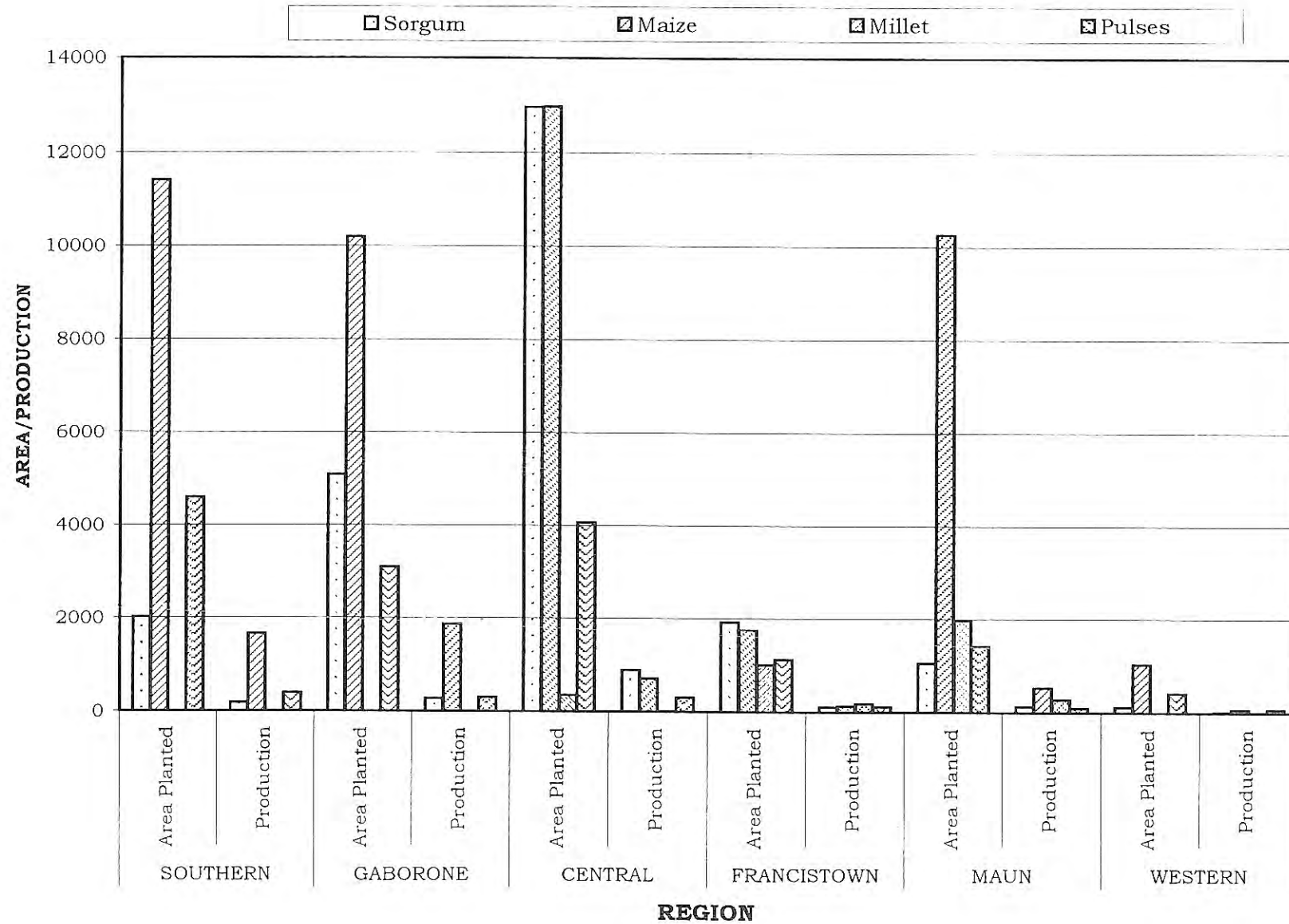


TABLE 7.1 LAND HOLDINGS: TOTAL LAND HOLDINGS, TOTAL LAND AREA, LAND AREA PER HOLDING, TOTAL FIELDS AND NUMBER OF FIELDS PER HOLDING BY DISTRICT AND RE

District/ Region	Land Holdings		Land Area		Land Area	Total Fields		Number of
	Number	Percentage	(Hectares)	Percentage	Per Holding (HA)	Number	Percentage	Fields Per Holding
Barolong	1,540	2.3	10,773	3.6	7	2,765	3.4	2
Ngwaketse South	2,576	3.9	35,077	11.7	14	3,315	4.0	1
Ngwaketse North	4,515	6.9	18,242	6.1	4	6,333	7.7	1
Ngwaketse Central	4,718	7.2	22,751	7.6	5	5,724	7.0	1
Ngwaketse West	3,060	4.7	21,725	7.3	7	4,386	5.3	1
SOUTHERN REGION	16,409	25.0	108,568	36.3	7	22,523	27.5	1
Balete/Tlokweng	365	0.6	1,143	0.4	3	379	0.5	1
Kweneng South	3,918	6.0	16,159	5.4	4	4,829	5.9	1
Kweneng North	4,005	6.1	25,850	8.6	6	5,760	7.0	1
Kweneng West	4,109	6.3	31,710	10.6	8	5,354	6.5	1
Kgatleng	2,979	4.5	14,755	4.9	5	3,576	4.4	1
GABORONE REGION	15,376	23.4	89,617	30.0	6	19,898	24.3	1
Mahalapye East	3,322	5.1	13,454	4.5	4	4,348	5.3	1
Mahalapye West	2,370	3.6	8,314	2.8	4	2,722	3.3	1
Palapye	6,618	10.1	20,235	6.8	3	7,671	9.4	1
Serowe	1,472	2.2	3,567	1.2	2	1,593	1.9	1
Bobonong	2,854	4.3	13,841	4.6	5	3,369	4.1	1
Letlhakane	1,501	2.3	2,173	0.7	1	1,778	2.2	1
Selebi-Phikwe	181	0.3	454	0.2	3	237	0.3	1
CENTRAL REGION	18,318	27.9	62,038	20.8	3	21,718	26.5	1
Tati	1,016	1.5	2,450	0.8	2	1,391	1.7	1
Tutume	3,293	5.0	6,858	2.3	2	4,339	5.3	1
Tonota	1,901	2.9	6,098	2.0	3	2,266	2.8	1
FRANCISTOWN REGION	6,210	9.5	15,406	5.2	2	7,996	9.7	1
Ngamiland West	5,579	8.5	7,909	2.6	1	5,593	6.8	1
Ngamiland East	1,561	2.4	2,320	0.8	1	1,876	2.3	1
Chobe	463	0.7	8,286	2.8	18	463	0.6	1
MAUN REGION	7,603	11.6	18,515	6.2	2	7,932	9.7	1
Gantsi	700	1.1	1,156	0.4	2	811	1.0	1
Hukuntsi	423	0.6	1,239	0.4	3	523	0.6	1
Tsabong	578	0.9	2,439	0.8	4	631	0.8	1
WESTERN REGION	1,701	2.6	4,834	1.6	3	1,965	2.4	1
TOTAL TRADITIONAL	65,617	100.0	298,978	100.0	5	82,032	100.0	1

TABLE 7.2 LAND HOLDINGS: TOTAL LAND HOLDINGS, TOTAL LAND AREA AND LAND AREA PER HOLDING BY SIZE OF AREA PLANTED

Size of Area Planted (HA)	Land Holdings		Land Area		Land Area Per Holding (HA)
	Number	Percentage	(Hectares)	Percentage	
0.01 - 1.00	9,666	14.7	5,597	1.9	0.6
1.01 - 2.00	11,028	16.8	16,928	5.7	1.5
2.01 - 3.00	11,315	17.2	27,698	9.3	2.4
3.01 - 4.00	7,201	11.0	25,024	8.4	3.5
4.01 - 5.00	4,730	7.2	21,270	7.1	4.5
5.01 - 6.00	5,276	8.0	28,936	9.7	5.5
6.01 - 7.00	4,156	6.3	26,393	8.8	6.4
7.01 - 8.00	2,413	3.7	18,049	6.0	7.5
8.01 - 9.00	1,536	2.3	13,256	4.4	8.6
9.01 - 10.00	1,488	2.3	14,020	4.7	9.4
10.01 - 15.00	3,194	4.9	37,299	12.5	11.7
15.01 +	3,614	5.5	64,508	21.6	17.8
TOTAL TRADITIONAL	65,617	100.0	298,978	100.0	4.6

TABLE 7.3 CROP LAND: HOLDINGS PLANTED, AREA PLANTED AND FIELDS PLANTED BY DISTRICT AND REGION

District/ Region	Crop Holdings (Number)	Ratio of Crop Holdings To Holdings With Land (%)	Total Area Planted (Hectares)	Ratio of Area Planted To Total Land Area (%)	Area Planted Per Crop Holding (HA)	Fields Planted Number	Ratio of Fields Planted To Total Fields (%)	Average Size of Fields Planted (HA)
Barolong	457	29.7	2,161	20.1	5	1,031	37.3	2
Ngwaketse South	883	34.3	2,113	6.0	2	1,040	31.4	2
Ngwaketse North	1,823	40.4	3,191	17.5	2	1,839	29.0	2
Ngwaketse Central	744	15.8	3,505	15.4	5	1,078	18.8	3
Ngwaketse West	1,493	48.8	7,829	36.0	5	1,506	34.3	5
SOUTHERN REGION	5,400	32.9	18,799	17.3	3	6,494	28.8	3
Balete/Tlokweneng	56	15.3	129	11.3	2	56	14.8	2
Kweneng South	1,201	30.7	2,057	12.7	2	1,240	25.7	2
Kweneng North	2,462	61.5	8,690	33.6	4	2,462	42.7	4
Kweneng West	1,608	39.1	4,619	14.6	3	1,665	31.1	3
Kgatleng	1,014	34.0	3,803	25.8	4	1,104	30.9	3
GABORONE REGION	6,341	41.2	19,298	21.5	3	6,527	32.8	3
Mahalapye East	2,391	72.0	7,632	56.7	3	2,464	56.7	3
Mahalapye West	1,157	48.8	3,910	47.0	3	1,213	44.6	3
Palapye	3,174	48.0	7,761	38.4	2	3,185	41.5	2
Serowe	706	48.0	1,033	29.0	1	706	44.3	1
Bobonong	2,078	72.8	10,035	72.5	5	2,094	62.2	5
Letlhakane	1,086	72.4	1,199	55.2	1	1,132	63.7	1
Selebi-Phikwe	147	81.2	318	70.0	2	152	64.1	2
CENTRAL REGION	10,739	58.6	31,888	51.4	3	10,946	50.4	3
Tati	682	67.1	1,469	60.0	2	694	49.9	2
Tutume	2,264	68.8	3,239	47.2	1	2,264	52.2	1
Tonota	771	40.6	1,600	26.2	2	771	34.0	2
FRANCISTOWN REGION	3,717	59.9	6,308	40.9	2	3,729	46.6	2
Ngamiland West	4,204	75.4	6,900	87.2	2	4,204	75.2	2
Ngamiland East	889	57.0	1,050	45.3	1	889	47.4	1
Chobe	411	88.8	8,285	100.0	20	411	88.8	20
MAUN REGION	5,504	72.4	16,235	87.7	3	5,504	69.4	3
Gantsi	324	46.3	423	36.6	1	336	41.4	1
Hukuntsi	209	49.4	528	42.6	3	209	40.0	3
Tsabong	119	20.6	682	28.0	6	122	19.3	6
WESTERN REGION	652	38.3	1,633	33.8	3	667	33.9	2
TOTAL TRADITIONAL	32,353	49.3	94,161	31.5	3	33,867	41.3	3

TABLE 7.4 HOLDINGS HARVESTED AND AREA HARVESTED BY DISTRICT AND REGION

District/ Region	Holdings Harvested	Ratio of Holdings Harvested To Crop Holdings (%)	Area Harvested (Hectares)	Ratio of Area Harvested To Area Planted (%)	Area Harvested Per Holding Harvested (HA)
Barolong	101	22.1	1,014	46.9	10.0
Ngwaketse South	646	73.2	1,704	80.6	2.6
Ngwaketse North	1,096	60.1	2,332	73.1	2.1
Ngwaketse Central	392	52.7	1,827	52.1	4.7
Ngwaketse West	615	41.2	4,075	52.1	6.6
SOUTHERN REGION	2,850	52.8	10,952	58.3	3.8
Balete/Tlokweng	45	80.4	109	84.5	2.4
Kweneng South	266	22.1	553	26.9	2.1
Kweneng North	1,695	68.8	4,551	52.4	2.7
Kweneng West	1,050	65.3	3,064	66.3	2.9
Kgatleng	497	49.0	1,422	37.4	2.9
GABORONE REGION	3,553	56.0	9,699	50.3	2.7
Mahalapye East	1,798	75.2	5,552	72.7	3.1
Mahalapye West	674	58.3	2,690	68.8	4.0
Palapye	2,478	78.1	4,215	54.3	1.7
Serowe	164	23.2	300	29.0	1.8
Bobonong	1,211	58.3	8,037	80.1	6.6
Letlhakane	442	40.7	327	27.3	0.7
Selebi-Phikwe	102	69.4	164	51.6	1.6
CENTRAL REGION	6,869	64.0	21,285	66.7	3.1
Tati	420	61.6	851	57.9	2.0
Tutume	1,635	72.2	1,604	49.5	1.0
Tonota	362	47.0	745	46.6	2.1
FRANCISTOWN REGION	2,417	65.0	3,200	50.7	1.3
Ngamiland West	3,146	74.8	3,889	56.4	1.2
Ngamiland East	168	18.9	112	10.7	0.7
Chobe	84	20.4	92	1.1	1.1
MAUN REGION	3,398	61.7	4,093	25.2	1.2
Gantsi	324	100.0	371	87.7	1.1
Hukuntsi	161	77.0	404	76.5	2.5
Tsabong	48	40.3	125	18.3	2.6
WESTERN REGION	533	81.7	900	55.1	1.7
TOTAL TRADITIONAL	19,620	60.6	50,129	53.2	2.6

TABLE 7.6 TOTAL HOLDINGS HARVESTED BY CROP, DISTRICT AND REGION

District/Region	Sorghum	Maize	Millet	Pulses	Sunflower	Groundnuts	Other Crops
Barolong	6	101	-	95	80	-	-
Ngwaketse South	140	524	-	496	-	-	250
Ngwaketse North	16	986	-	981	-	-	38
Ngwaketse Central	137	392	-	392	-	-	-
Ngwaketse West	177	536	-	405	-	-	247
SOUTHERN REGION	476	2,539	-	2,369	80	-	535
Balete/Tlokweng	39	4	-	42	-	-	-
Kweneng South	6	239	-	225	-	-	6
Kweneng North	435	1,563	-	1,256	-	-	39
Kweneng West	528	859	-	750	-	173	371
Kgatleng	105	335	-	340	200	-	46
GABORONE REGION	1,113	3,000	-	2,613	200	173	462
Mahalapye East	1,514	622	112	1,142	-	314	255
Mahalapye West	170	560	11	622	11	91	94
Palapye	1,474	1,144	-	1,806	-	290	741
Serowe	133	97	-	76	-	-	5
Bobonong	1,046	832	3	605	236	125	17
Letlhakane	6	337	-	156	-	53	142
Selebi-Phikwe	47	43	10	91	-	30	10
CENTRAL REGION	4,390	3,635	136	4,498	247	903	1,264
Tati	354	255	195	254	-	142	95
Tutume	602	1,281	811	990	-	466	-
Tonota	251	214	59	283	-	103	-
FRANCISTOWN REGION	1,207	1,750	1,065	1,527	-	711	95
Ngamiland West	944	2,222	1,886	1,263	-	171	100
Ngamiland East	11	153	-	5	-	-	-
Chobe	-	81	3	-	-	-	-
MAUN REGION	955	2,456	1,889	1,268	-	171	100
Gantsi	104	313	-	322	-	-	12
Hukuntsi	86	111	-	155	-	42	112
Tsabong	-	33	-	26	-	-	15
WESTERN REGION	190	457	-	503	-	42	139
TOTAL TRADITIONAL	8,331	13,837	3,090	12,778	527	2,000	2,595

TABLE 7.6 TOTAL HOLDINGS HARVESTED BY CROP, DISTRICT AND REGION

District/Region	Sorghum	Maize	Millet	Pulses	Sunflower	Groundnuts	Other Crops
Barolong	6	101	-	95	80	-	-
Ngwaketse South	140	524	-	496	-	-	250
Ngwaketse North	16	986	-	981	-	-	38
Ngwaketse Central	137	392	-	392	-	-	-
Ngwaketse West	177	536	-	405	-	-	247
SOUTHERN REGION	476	2,539	-	2,369	80	-	535
Balete/Tlokweng	39	4	-	42	-	-	-
Kweneng South	6	239	-	225	-	-	6
Kweneng North	435	1,563	-	1,256	-	-	39
Kweneng West	528	859	-	750	-	173	371
Kgatleng	105	335	-	340	200	-	46
GABORONE REGION	1,113	3,000	-	2,613	200	173	462
Mahalapye East	1,514	622	112	1,142	-	314	255
Mahalapye West	170	560	11	622	11	91	94
Palapye	1,474	1,144	-	1,806	-	290	741
Serowe	133	97	-	76	-	-	5
Bobonong	1,046	832	3	605	236	125	17
Letlhakane	6	337	-	156	-	53	142
Selebi-Phikwe	47	43	10	91	-	30	10
CENTRAL REGION	4,390	3,635	136	4,498	247	903	1,264
Tati	354	255	195	254	-	142	95
Tutume	602	1,281	811	990	-	466	-
Tonota	251	214	59	283	-	103	-
FRANCISTOWN REGION	1,207	1,750	1,065	1,527	-	711	95
Ngamiland West	944	2,222	1,886	1,263	-	171	100
Ngamiland East	11	153	-	5	-	-	-
Chobe	-	81	3	-	-	-	-
MAUN REGION	955	2,456	1,889	1,268	-	171	100
Gantsi	104	313	-	322	-	-	12
Hukuntsi	86	111	-	155	-	42	112
Tsabong	-	33	-	26	-	-	15
WESTERN REGION	190	457	-	503	-	42	139
TOTAL TRADITIONAL	8,331	13,837	3,090	12,778	527	2,000	2,595

TABLE 7.7 TOTAL AREA PLANTED BY CROP, DISTRICT AND REGION

District/Region	Sorghum	Maize	Millet	Pulses	Sunflower	Groundnuts	Other Crops	Total Area
Barolong	49	1,706	-	280	126	-	-	2,161
Ngwaketse South	395	1,093	-	575	-	-	50	2,113
Ngwaketse North	89	2,133	-	950	-	-	19	3,191
Ngwaketse Central	305	2,279	-	730	-	100	91	3,505
Ngwaketse West	1,177	4,195	-	2,060	-	-	397	7,829
SOUTHERN REGION	2,015	11,406	-	4,595	126	100	557	18,799
Balete/Tlokweneng	66	19	-	44	-	-	-	129
Kweneng South	546	922	-	436	-	-	153	2,057
Kweneng North	2,198	5,054	-	1,222	-	-	216	8,690
Kweneng West	1,245	2,291	-	875	-	96	112	4,619
Kgatleng	1,029	1,913	-	516	233	43	69	3,803
GABORONE REGION	5,084	10,199	-	3,093	233	139	550	19,298
Mahalapye East	3,961	1,791	279	1,294	79	182	46	7,632
Mahalapye West	468	2,876	5	406	54	41	60	3,910
Palapye	3,154	2,907	-	1,482	13	98	107	7,761
Serowe	557	327	8	105	-	1	35	1,033
Bobonong	4,543	4,236	33	530	456	23	214	10,035
Lethakane	203	723	17	179	1	59	17	1,199
Selebi-Phikwe	110	119	10	70	-	5	4	318
CENTRAL REGION	12,996	12,979	352	4,066	603	409	483	31,888
Tati	519	411	223	211	-	80	25	1,469
Tutume	983	999	538	497	-	184	38	3,239
Tonota	426	342	254	409	-	147	22	1,600
FRANCISTOWN REGION	1,928	1,752	1,015	1,117	-	411	85	6,308
Ngamiland West	974	2,725	1,953	752	-	402	94	6,900
Ngamiland East	73	758	29	181	-	-	9	1,050
Chobe	9	6,786	3	486	-	-	1,001	8,285
MAUN REGION	1,056	10,269	1,985	1,419	-	402	1,104	16,235
Gantsi	20	185	-	168	-	-	50	423
Hukuntsi	93	315	-	108	-	2	10	528
Tsabong	12	532	-	133	-	1	4	682
WESTERN REGION	125	1,032	-	409	-	3	64	1,633
TOTAL TRADITIONAL	23,204	47,637	3,352	14,699	962	1,464	2,843	94,161

TABLE 7.8 TOTAL AREA HARVESTED BY CROP, DISTRICT AND REGION

District/Region	Sorghum	Maize	Millet	Pulses	Sunflower	Groundnuts	Other Crops	Total Area Harvested
Barolong	11	922	-	60	21	-	-	1,014
Ngwaketse South	366	805	-	496	-	-	37	1,704
Ngwaketse North	27	1,617	-	679	-	-	9	2,332
Ngwaketse Central	297	1,215	-	315	-	-	-	1,827
Ngwaketse West	342	2,672	-	978	-	-	83	4,075
SOUTHERN REGION	1,043	7,231	-	2,528	21	-	129	10,952
Balete/Tlokweng	58	7	-	44	-	-	-	109
Kweneng South	34	320	-	93	-	-	106	553
Kweneng North	274	3,556	-	719	-	-	2	4,551
Kweneng West	712	1,646	-	554	-	71	81	3,064
Kgatleng	166	719	-	262	219	-	56	1,422
GABORONE REGION	1,244	6,248	-	1,672	219	71	245	9,699
Mahalapye East	3,370	1,009	106	926	-	119	22	5,552
Mahalapye West	198	2,074	0	326	54	30	8	2,690
Palapye	1,594	1,381	-	1,059	-	93	88	4,215
Serowe	150	123	-	26	-	-	1	300
Bobonong	3,945	3,357	6	283	440	5	1	8,037
Letlhakane	15	213	-	58	-	38	3	327
Selebi-Phikwe	61	48	0	50	-	3	2	164
CENTRAL REGION	9,333	8,205	112	2,728	494	288	125	21,285
Tati	303	223	149	114	-	50	12	851
Tutume	291	619	283	358	-	53	-	1,604
Tonota	343	155	59	164	-	24	-	745
FRANCISTOWN REGION	937	997	491	636	-	127	12	3,200
Ngamiland West	738	1,603	1,103	405	-	38	2	3,889
Ngamiland East	1	110	-	1	-	-	-	112
Chobe	-	89	3	-	-	-	-	92
MAUN REGION	739	1,802	1,106	406	-	38	2	4,093
Gantsi	20	184	-	167	-	-	-	371
Hukuntsi	93	206	-	94	-	2	9	404
Tsabong	-	104	-	20	-	-	1	125
WESTERN REGION	113	494	-	281	-	2	10	900
TOTAL TRADITIONAL	13,409	24,977	1,709	8,251	734	526	523	50,129

TABLE 7.9 TOTAL PRODUCTION (TONNES) BY CROP, DISTRICT AND REGION

District/Region	Sorghum	Maize	Millet	Pulses	Sunflower	Groundnuts	Other Crops	Total Production
Barolong	9	473	-	41	23	-	-	546
Ngwaketse South	155	403	-	84	-	-	454	1,096
Ngwaketse North	0	321	-	134	-	-	6	461
Ngwaketse Central	11	265	-	21	-	-	-	297
Ngwaketse West	8	204	-	110	-	-	974	1,296
SOUTHERN REGION	183	1,666	-	390	23	-	1,434	3,696
Balete/Tlokweng	22	1	-	4	-	-	-	27
Kweneng South	4	179	-	39	-	-	0	222
Kweneng North	195	1,461	-	125	-	-	235	2,016
Kweneng West	36	157	-	38	-	3	880	1,114
Kgatleng	14	73	-	94	16	-	8	205
GABORONE REGION	271	1,871	-	300	16	3	1,123	3,584
Mahalapye East	168	104	9	120	-	7	1,043	1,451
Mahalapye West	14	85	1	30	3	3	354	490
Palapye	182	101	-	95	-	10	4,293	4,681
Serowe	31	8	-	5	-	-	5	49
Bobonong	481	295	0	44	108	6	38	972
Lethakane	-	98	-	5	-	3	18	124
Selebi-Phikwe	12	12	0	6	-	1	21	52
CENTRAL REGION	888	703	10	305	111	30	5,772	7,819
Tati	39	19	19	11	-	7	17	112
Tutume	44	70	155	92	-	20	-	381
Tonota	24	41	10	13	-	20	-	108
FRANCISTOWN REGION	107	130	184	116	-	47	17	601
Ngamiland West	126	420	278	101	-	14	17	956
Ngamiland East	1	13	-	0	-	-	-	14
Chobe	-	103	0	-	-	-	-	103
MAUN REGION	127	536	278	101	-	14	17	1,073
Gantsi	2	40	-	35	-	-	-	77
Hukuntsi	5	23	-	18	-	53	487	586
Tsabong	-	7	-	15	-	-	112	134
WESTERN REGION	7	70	-	68	-	53	599	797
TOTAL TRADITIONAL	1,583	4,976	472	1,280	150	147	8,962	17,570

TABLE 7.10 YIELD PER AREA PLANTED (KG) BY CROP, DISTRICT AND REGION

District/Region	Sorghum	Maize	Millet	Pulses	Sunflower	Groundnuts	Other Crops
Barolong	184	277	-	146	183	-	-
Ngwaketse South	392	369	-	146	-	-	9,080
Ngwaketse North	-	150	-	141	-	-	316
Ngwaketse Central	36	116	-	29	-	-	-
Ngwaketse West	7	49	-	53	-	-	2,453
SOUTHERN REGION	91	146	-	85	183	-	2,575
Balete/Tlokweng	333	53	-	91	-	-	-
Kweneng South	7	194	-	89	-	-	-
Kweneng North	89	289	-	102	-	-	1,088
Kweneng West	29	69	-	43	-	31	7,857
Kgatleng	14	38	-	182	69	-	116
GABORONE REGION	53	183	-	97	69	22	2,042
Mahalapye East	42	58	32	93	-	38	22,674
Mahalapye West	30	30	200	74	56	73	5,900
Palapye	58	35	-	64	-	102	40,121
Serowe	56	24	-	48	-	-	143
Bobonong	106	70	-	83	237	261	178
Letlhakane	-	136	-	28	-	51	1,059
Selebi-Phikwe	109	101	-	86	-	200	5,250
CENTRAL REGION	68	54	28	75	184	73	11,950
Tati	75	46	85	52	-	88	680
Tutume	45	70	288	185	-	109	-
Tonota	56	120	39	32	-	136	-
FRANCISTOWN REGION	55	74	181	104	-	114	200
Ngamiland West	129	154	142	134	-	35	181
Ngamiland East	14	17	-	-	-	-	-
Chobe	-	15	-	-	-	-	-
MAUN REGION	120	52	140	71	-	35	15
Gantsi	100	216	-	208	-	-	0
Hukuntsi	54	73	-	167	-	26,500	48,700
Tsabong	-	13	-	113	-	-	28,000
WESTERN REGION	56	68	-	166	-	-	9,359
TOTAL TRADITIONAL	68	104	141	87	156	100	3,152

TABLE 7.11 YIELD PER HECTARE HARVESTED BY CROP, DISTRICT AND REGION

District/Region	Sorghum	Maize	Millet	Pulses	Sunflower	Groundnuts	Other Crops
Barolong	818	513	-	683	1,095	-	-
Ngwaketse South	423	501	-	169	-	-	12,270
Ngwaketse North	-	199	-	197	-	-	667
Ngwaketse Central	37	218	-	67	-	-	-
Ngwaketse West	23	76	-	112	-	-	11,735
SOUTHERN REGION	175	230	-	154	1,095	-	11,116
Balete/Tlokweneng	379	143	-	91	-	-	-
Kweneng South	118	559	-	419	-	-	-
Kweneng North	712	411	-	174	-	-	117,500
Kweneng West	51	95	-	69	-	42	10,864
Kgatleng	84	102	-	359	73	-	143
GABORONE REGION	218	299	-	179	73	42	4,584
Mahalapye East	50	103	85	130	-	59	47,409
Mahalapye West	71	41	0	92	56	100	44,250
Palapye	114	73	-	90	-	108	48,784
Serowe	207	65	-	192	-	-	5,000
Bobonong	122	88	-	155	245	1,200	38,000
Letlhakane	-	460	-	86	-	79	6,000
Selebi-Phikwe	197	250	-	120	-	333	10,500
CENTRAL REGION	95	86	89	112	225	104	46,176
Tati	129	85	128	96	-	140	1,417
Tutume	151	113	548	257	-	377	-
Tonota	70	265	169	79	-	833	-
FRANCISTOWN REGION	114	130	375	182	-	370	1,417
Ngamiland West	171	262	252	249	-	368	8,500
Ngamiland East	1,000	118	-	-	-	-	-
Chobe	-	1,157	-	-	-	-	-
MAUN REGION	172	297	251	249	-	368	8,500
Gantsi	100	217	-	210	-	-	-
Hukuntsi	54	112	-	191	-	26,500	54,111
Tsabong	-	67	-	750	-	-	112,000
WESTERN REGION	62	142	-	242	-	26,500	59,900
TOTAL TRADITIONAL	118	199	276	155	204	279	17,136

TABLE 7.12 FOUR CROPS (SORGHUM, MAIZE, MILLET AND PULSES): HOLDINGS PLANTED AND AREA PLANTED BY DISTRICT AND REGION

District/ Region	Holdings Planted		Area Planted (Hectares)		Total Area Planted (Hectares)	Percentage	Area Planted Per Holding
	Number	Percentage	Pure	Mixed			
Barolong	457	1.4	1,524	511	2,035	2.3	4.5
Ngwaketse South	883	2.7	-	2,063	2,063	2.3	2.3
Ngwaketse North	1,823	5.6	-	3,172	3,172	3.6	1.7
Ngwaketse Central	744	2.3	2,055	1,259	3,314	3.7	4.5
Ngwaketse West	1,493	4.6	-	7,432	7,432	8.4	5.0
SOUTHERN REGION	5,400	16.7	3,579	14,437	18,016	20.3	3.3
Balete/Tlokweng	56	0.2	1	128	129	0.1	2.3
Kweneng South	1,201	3.7	73	1,831	1,904	2.1	1.6
Kweneng North	2,462	7.6	54	8,420	8,474	9.5	3.4
Kweneng West	1,608	5.0	-	4,411	4,411	5.0	2.7
Kgatleng	1,014	3.1	96	3,362	3,458	3.9	3.4
GABORONE REGION	6,341	19.7	224	18,152	18,376	20.7	2.9
Mahalapye East	2,391	7.4	1,017	6,308	7,325	8.2	3.1
Mahalapye West	1,157	3.6	68	3,687	3,755	4.2	3.2
Palapye	3,174	9.8	152	7,391	7,543	8.5	2.4
Serowe	706	2.2	251	746	997	1.1	1.4
Bobonong	2,037	6.3	1,334	8,008	9,342	10.5	4.6
Letlhakane	1,086	3.4	136	986	1,122	1.3	1.0
Selebi-Phikwe	147	0.5	-	309	309	0.3	2.1
CENTRAL REGION	10,698	33.2	2,958	27,435	30,393	34.2	2.8
Tati	682	2.1	3	1,361	1,364	1.5	2.0
Tutume	2,264	7.0	-	3,017	3,017	3.4	1.3
Tonota	771	2.4	16	1,415	1,431	1.6	1.9
FRANCISTOWN REGION	3,717	11.5	19	5,793	5,812	6.5	1.6
Ngamiland West	4,159	12.9	594	5,810	6,404	7.2	1.5
Ngamiland East	889	2.8	102	939	1,041	1.2	1.2
Chobe	411	1.3	1,992	5,292	7,284	8.2	17.7
MAUN REGION	5,459	16.9	2,688	12,041	14,729	16.6	2.7
Gantsi	324	1.0	23	350	373	0.4	1.2
Hukuntsi	209	0.6	-	516	516	0.6	2.5
Tsabong	119	0.4	64	613	677	0.8	5.7
WESTERN REGION	652	2.0	87	1,479	1,566	1.8	2.4
TOTAL TRADITIONAL	32,267	100.0	9,555	79,337	88,892	100.0	2.8

TABLE 7.13 FOUR CROPS (SORGHUM, MAIZE, MILLET AND PULSES): HOLDINGS HARVESTED, AREA HARVESTED AND AREA HARVESTED PER HOLDING BY DISTRICT AND REGION

District/ Region	Holdings Harvested		Ratio of Holdings Harvested To Holdings Planted (%)	Area Harvested		Ratio of Area Harvested To Area Planted (%)	Area Harvested Per Holding
	Number	Percentage		(Hectares)	Percentage		
Barolong	101	0.5	22.1	993	2.1	48.8	9.8
Ngwaketse South	560	2.9	63.4	1,667	3.4	80.8	3.0
Ngwaketse North	1,096	5.7	60.1	2,323	4.8	73.2	2.1
Ngwaketse Central	392	2.0	52.7	1,827	3.8	55.1	4.7
Ngwaketse West	592	3.1	39.7	3,992	8.3	53.7	6.7
SOUTHERN REGION	2,741	14.3	50.8	10,802	22.3	60.0	3.9
Balete/Tlokweneng	45	0.2	80.4	109	0.2	84.5	2.4
Kweneng South	266	1.4	22.1	447	0.9	23.5	1.7
Kweneng North	1,695	8.9	68.8	4,549	9.4	53.7	2.7
Kweneng West	1,050	5.5	65.3	2,912	6.0	66.0	2.8
Kgatleng	497	2.6	49.0	1,147	2.4	33.2	2.3
GABORONE REGION	3,553	18.6	56.0	9,164	19.0	49.9	2.6
Mahalapye East	1,692	8.8	70.8	5,411	11.2	73.9	3.2
Mahalapye West	656	3.4	56.7	2,598	5.4	69.2	4.0
Palapye	2,241	11.7	70.6	4,034	8.3	53.5	1.8
Serowe	164	0.9	23.2	299	0.6	30.0	1.8
Bobonong	1,211	6.3	59.5	7,591	15.7	81.3	6.3
Letlhakane	409	2.1	37.7	286	0.6	25.5	0.7
Selebi-Phikwe	102	0.5	69.4	159	0.3	51.5	1.6
CENTRAL REGION	6,475	33.9	60.5	20,378	42.2	67.0	3.1
Tati	420	2.2	61.6	789	1.6	57.8	1.9
Tutume	1,635	8.5	72.2	1,551	3.2	51.4	0.9
Tonota	362	1.9	47.0	721	1.5	50.4	2.0
FRANCISTOWN REGION	2,417	12.6	65.0	3,061	6.3	52.7	1.3
Ngamiland West	3,167	16.6	76.1	3,849	8.0	60.1	1.2
Ngamiland East	168	0.9	18.9	112	0.2	10.8	0.7
Chobe	84	0.4	20.4	92	0.2	1.3	1.1
MAUN REGION	3,419	17.9	62.6	4,053	8.4	27.5	1.2
Gantsi	324	1.7	100.0	371	0.8	99.5	1.1
Hukuntsi	161	0.8	77.0	393	0.8	76.2	2.4
Tsabong	33	0.2	27.7	124	0.3	18.3	3.8
WESTERN REGION	518	2.7	79.4	888	1.8	56.7	1.7
TOTAL TRADITIONAL	19,123	100.0	59.3	48,346	100.0	54.4	2.5

TABLE 7.14 FOUR CROPS (SORGHUM, MAIZE, MILLET, PULSES): TOTAL PRODUCTION BY DISTRICT AND REGION

District/ Region	Total Production		Production Per Harvested Holding (Kg)	Yield Per Area Planted (Kg)	Yield Per Area Harvested (Kg)
	Tonnes	Percentage			
Barolong	523	6.3	5,178	257	527
Ngwaketse South	642	7.7	1,146	311	385
Ngwaketse North	455	5.5	415	143	196
Ngwaketse Central	297	3.6	758	90	163
Ngwaketse West	322	3.9	544	43	81
SOUTHERN REGION	2,239	26.9	817	124	207
Balete/Tlokweneng	27	0.3	600	209	248
Kweneng South	222	2.7	835	117	497
Kweneng North	1,781	21.4	1,051	210	392
Kweneng West	231	2.8	220	52	79
Kgatleng	181	2.2	364	52	158
GABORONE REGION	2,442	29.4	687	133	266
Mahalapye East	401	4.8	237	55	74
Mahalapye West	130	1.6	198	35	50
Palapye	378	4.5	169	50	94
Serowe	44	0.5	268	44	147
Bobonong	820	9.9	677	88	108
Letihakane	103	1.2	252	92	360
Selebi-Phikwe	30	0.4	294	97	189
CENTRAL REGION	1,906	22.9	294	63	94
Tati	88	1.1	210	65	112
Tutume	361	4.3	221	120	233
Tonota	88	1.1	243	61	122
FRANCISTOWN REGION	537	6.5	222	92	175
Ngamiland West	925	11.1	292	144	240
Ngamiland East	14	0.2	83	13	125
Chobe	103	1.2	1,226	14	1,120
MAUN REGION	1,042	12.5	305	71	257
Gantsi	77	0.9	238	206	208
Hukuntsi	46	0.6	286	89	117
Tsabong	22	0.3	667	32	177
WESTERN REGION	145	1.7	280	93	163
TOTAL TRADITIONAL	8,311	100.0	435	93	172

APPENDIX I: TECHNICAL DETAILS

Coverage

The annual agricultural surveys are a component of a continuous program of household surveys, which is specific to the agricultural sector aimed at establishing trends in agricultural production and mode of operation. The main objective of the program is to provide the time series of basic information on crop production and livestock population and on general agricultural data. The program has the following sub-components:

- ❖ The Traditional/Subsistence Sector.
- ❖ The Commercial Sector.

Traditional Sector

The data is collected through a questionnaire administered by a team of Technical Assistants. The survey covers agricultural holdings and their principal characteristics such as:

- ❖ Demographic characteristics (sex, age, marital status etc).
- ❖ System of land tenure
- ❖ Farm labour.
- ❖ Farming practices.
- ❖ Area planted, harvested and crop production by type
- ❖ Livestock inventory (births, deaths, sales, purchases and off take rates) and livestock production by type (cattle, goats, sheep).
- ❖ Poultry counts and other animals (donkeys/mules, horses and pigs).
- ❖ Inventory of agricultural machinery and equipment owned or used.
- ❖ Credit Availability and sources

Commercial Sector

The data is collected through a mailed questionnaire administered by farmers themselves. Follow-ups are usually made to those farmers who did not respond to the questionnaire.

The survey covers the same information similar to the one collected under the traditional sector except that additional information for some variables is collected such as:

- ❖ Total area of the farm/ranch.
- ❖ Cash Crops such as wheat, pulses, sunflower, groundnuts, cotton, lucerne etc.
- ❖ Vegetables such as potatoes, tomatoes, onions, cabbage, spinach, carrots etc.
- ❖ Fruits such as oranges, naartjies, lemons, grapefruit, bananas, etc.

SURVEY PREPARATIONS

The preparation cycle of the annual survey starts as soon as the current survey ends. The following plan is followed in carrying out the annual agricultural survey.

Sampling Frame

There are two different frames used for selecting the samples for the annual agricultural survey. The first frame is the Block Sampling Frame. This consists of the list of blocks constructed from villages, land and cattle post areas using information obtained from the 1991 Housing and Population Census. There are currently 3471 Blocks constructed in the whole country.

The other frame consists of a list of commercial farmers who are engaged in agricultural activities. This list is obtainable from the Enterprise and Establishment Register database and supplemented by the other list of farmers constructed by the Agricultural Statistics Unit.

The annual survey is divided into three phases. The first phase and second phase cover traditional farmers in which Technical Assistants administer the questionnaires. The third phase covers commercial farmers where by questionnaires are self administered by farmers i.e. questionnaires are mailed to farmers and farmers are expected to mail the questionnaires to the Agricultural Statistics Unit using a self-addressed envelopes from Government.

Questionnaires

Four different questionnaires (Forms I, II, III and IV) are used for data collection, of which three questionnaires (Forms I, II, and III) are used for data collection under the traditional sector while the fourth one is used for data collection under the commercial sector.

First Phase

The first phase deals with data collection on characteristics of the agricultural holder and the holding. During this phase, Form I and Form II questionnaires are administered at the same time. Form I questionnaire is used for identification of Agricultural Holders and for sample selection while Form II questionnaire is used for collecting information such as:

- ❖ Demographic characteristics
- ❖ System of land tenure
- ❖ Farm labor
- ❖ Farming practices
- ❖ Area planted and area under fallow land

Second Phase

Second phase deals with data collection on other characteristics of the agricultural holder and the holding. The data is collected on the following variables:

- ❖ Livestock production by type (cattle, goats, sheep, etc).
- ❖ Poultry counts and other birds.
- ❖ Livestock inventory by type (births, deaths, sales, etc).
- ❖ Area harvested and crop production.
- ❖ Crop disposal and revenue collected from farm produce.
- ❖ Farm practices and water supply.
- ❖ Credit availability and sources.

Third Phase

The third phase deals with data collection on characteristics of the agricultural holder and is done through a mailed questionnaire. Information collected is similar to the one under the traditional sector with additional variables such as:

- ❖ Total farm area
- ❖ Crop area under irrigation.
- ❖ Cash crops such as sunflower, groundnuts, cotton, etc.
- ❖ Vegetables such as potatoes, tomatoes, onions, etc.
- ❖ Fruits such as oranges, naartjees, lemons, etc.

Training of Enumerators

Training of enumerators is done twice a year to refresh them on the concepts and to address other problems encountered in the field. It is also done to harmonize the survey administration so that there is consistency in interpretation of questions and concepts. The first training is usually conducted in January to address issues pertaining to the first phase of the survey. The second training is conducted the first week of June to address the issues pertaining to the second phase of the survey.

SAMPLING METHODOLOGY

The annual agricultural survey covers persons who qualify as agricultural holders but operating on communal land. It also covers commercial farmers who are engaged in agricultural activities such as animal husbandry and crop production including ostrich farming and poultry.

The basic sampling design under the traditional sector is a stratified two-stage sampling, where the primary sampling units (blocks) are classified into land, village and cattle post areas, and these form three independent strata.

First Stage Sampling

The primary sampling units are selected systematically from each stratum with probability proportional to the measure of size (MOS), size being the number of dwellings as enumerated during the 1991 Population and Housing census.

Second Stage Sampling

The secondary sampling units (agricultural holders) are selected systematically from each selected block. Any agricultural holder with at least 100 cattle is automatically included into the sample. Other holders are selected systematically into the sample. On average, approximately 10 other holders in each selected block are selected into the sample.

ESTIMATION PROCEDURES

Estimation procedure in any survey is determined by the sampling technique used in selecting the sampling units and

hence the following estimation procedure that emanated from the sampling procedure is adopted.

AGGREGATE ESTIMATION

(i) FOR CATTLE HOLDERS (with 100 or more cattle)

Estimation in any h^{th} Stratum in any Agricultural District

$$\hat{Y}_h = \frac{1}{n_h} \sum_{i=1}^{n_h} \frac{y_i}{p_i} = \frac{1}{n_h} \sum_{i=1}^{n_h} \frac{1}{p_i} \left[\sum_j^{M_i^c} y_{ij} \right] \quad (1)$$

Where:

$\hat{Y}_h$ = Aggregate of survey variable in any h^{th} stratum in any Agricultural District.

n_h = Total number of selected blocks in any h^{th} stratum in an Agricultural District.

y_i = Total of survey variable of the i^{th} selected block.

y_{ij} = Value of survey variable of the j^{th} cattle holder of the i^{th} selected block.

M_i^c = Total number of cattle holder in the i^{th} selected block.

M_i^1 = Total number of dwellings in the i^{th} selected block.

M_h^1 = Total number of dwellings in the h^{th} stratum.

$p_i = \frac{M_i^1}{M_h^1}$ = Probability of selecting the i^{th} block (**PPS**).

The modification in sample design has led to equation 2, used for estimating variables from cattle holders.

$$\hat{Y} = \frac{1}{n_h} \frac{1}{n_k} \sum_{i=1}^{n_h} \sum_{j=1}^{n_k} \frac{1}{p_i} \frac{y_j}{p_j}, \quad \forall i=j, j=1, 2, 3, \dots, n_k. \quad (2)$$

Where:

n_k = Total number of blocks selected in any k^{th} stratum. k^{th} Stratum consists of all blocks selected in any h^{th} stratum during the 1993 Agricultural Census.

y_j = Sample aggregate of cattle holders from the j^{th} selected block.

M_j^1 = Total number of dwellings in the i^{th} selected block.

M_{h93}^1 = Total number of dwellings in all the blocks selected in any h^{th} stratum during the 1993 Agricultural Census.

P_j = Probability of selecting the j^{th} block (**PPS**).

$p_j = \frac{M_j^1}{M_{h93}^1}$ = Probability of selecting the j^{th} block (**PPS**).

(ii) FOR OTHER AGRICULTURAL HOLDERS

Estimation in any h^{th} Stratum in any Agricultural District

$$\hat{Y}_h = \frac{1}{n_h} \sum_{i=1}^{n_h} \frac{M_i y_i}{p_i m_i} = \frac{1}{n_h} \sum_{i=1}^{n_h} \frac{M_i}{p_i m_i} \left[\sum_j^{m_i} y_{ij} \right] \quad (3)$$

Where:

$\hat{Y}_h$ = Aggregate of survey variable in any h^{th} stratum in an Agricultural District.

n_h = Total number of selected blocks in any h^{th} stratum in an Agricultural District.

y_i = Total of survey variable in the i^{th} selected block.

y_{ij} = Value of survey variable of the j^{th} other agricultural holders in the i^{th} block.

M_i = Total number of other agricultural holders listed in the i^{th} block.

m_i = Number of remaining other agricultural holders selected in the i^{th} block.

M_i^1 = Total number of dwellings in the i^{th} selected block.

M_h^1 = Total number of dwellings in the h^{th} stratum.

$p_i = \frac{M_i^1}{M_h^1}$ = Probability of selecting the i^{th} block (**PPS**).

The modification in sample design has led to equation 4, used for estimating variables from other agricultural holders.

$$\hat{Y}_k = \frac{1}{n_h} \frac{1}{n_k} \sum_{i=1}^{n_h} \sum_{j=1}^{n_k} \frac{1}{p_i} \frac{M_j}{p_j} \frac{y_j}{m_j}, = \frac{1}{n_h} \frac{1}{n_k} \sum_{i=1}^{n_h} \sum_{j=1}^{n_k} \frac{M_j}{p_i} \frac{\bar{y}_j}{p_j}, \quad \forall i = j, j = 1, 2, 3, \dots, n_k, \quad (4)$$

Where:

n_h = Total number of blocks selected in any h^{th} stratum. .

M_i = Total number of other agricultural holders listed in the i^{th} block.

m_i = Total number of other agricultural holders selected in the i^{th} block.

p_i = Probability of selecting the i^{th} block (**PPS**).

y_i = Sample aggregate from the i^{th} selected block.

Estimation in any d^{th} Agricultural District

$$\hat{Y}_d = \sum_{h=1}^H \hat{Y}_h \quad (5)$$

Where:

$\hat{Y}_d$ = Aggregate of the survey variable of the d^{th} Agricultural District.

H = Total number of strata.

Estimation in any r^{th} Agricultural Region

$$\hat{Y}_r = \sum_{d=1}^D \hat{Y}_d \quad (6)$$

Where:

$\hat{Y}_r$ = Aggregate of the survey variable of the r^{th} Agricultural Region.

D = Total number of Agricultural District.

Estimation in the Country

$$\hat{Y}_c = \sum_{r=1}^R \hat{Y}_r \quad (7)$$

Where:

$\hat{Y}_c$ = Aggregate of the survey variable for the country

R = Total number of Agricultural District.

DATA PROCESSING

Data processing is **PC** based and is done in house.

Data Entry

Before data entry is carried out, the questionnaires are edited to check if all the relevant questions have been responded to and coded according to the codes designed by the Unit and other codes from the Botswana Standard Industrial Classification specified in the Enterprise and Establishment Register. Data entry screen templates based on the questionnaires are thereafter designed by programming assistants before data capture begins. Data entry usually starts around the month of May of any survey year. Form I data is captured on its own whereas Forms II & III are captured concurrently.

Data Validation

This is done simultaneously with data entry operations. Data entry staff members verify what other data entry staff members have already entered and the validation programme checks what is entered against what has already being captured.

Data Cleaning

After data entry and data validation are completed, the program is run to do some consistency checks on the data set as per the Computer Edit Specifications designed by the Data Analysis Team (Statisticians). The screen editing team supervised by the Statistician in charge of the survey does the screen editing. Any queries are corrected by comparing the entries in the questionnaire with what is shown in the screen template.

After screen editing, the two data sets' (Form I data set and Forms II & III data set) identification (region, district, block number, dwelling and household numbers) are matched for consistency. This is done through a computer program before the calculation of weights used to gross up data so that tabulation can begin.

Weights

The weights are calculated separately to gross up the data and are stored in a different weights file. After the data has been cleaned and consistency checks between Form I and Form II/III questionnaires is completed, weights are applied to the data according to specified procedure, before tabulation begins.

APPENDIX II: CONCEPTS AND DEFINITIONS

Standard concepts and definitions are used in any research set up to maintain consistent measurement of variables of interest and hence the following are used:

Survey Season/Year:

For the annual agricultural survey, a survey season starts from the 1st of October of the previous year to the 30th of September of the current year. At times, the fieldwork goes beyond the stipulated period but the questions asked are confined to the survey season under consideration.

Agricultural Holding/Farm:

An “Economic Unit” of an agricultural production under single management such as total land area (fallow land and crop land) and livestock by type (cattle, goats, sheep, donkeys, mules, pigs, etc) poultry, other birds and animals owned, managed, rented or operated by the holder during the survey season.

Agricultural Holder:

An agricultural holder is a person who makes the day-to-day decisions for the agricultural holding. The holder has the responsibility and accountability for the holding and may delegate some responsibilities related to day-to-day work to other people. The holder may be resident in the farm (in case of ranches) or on a piece of land in communal areas where ploughing or animal husbandry takes place (in case of pastoral/arable/subsistence farming). The holder may also be resident somewhere else but still making major decisions on the operations of the holding.

Dwelling Unit:

For the purpose of the survey, a dwelling unit is a ‘lolwapa’. A metal plate, with a pre-printed dwelling number is affixed on one door in the lolwapa for identification purposes.

Household:

A household is any unit, family or group of people having the same cooking arrangements and/or “living under the same roof” in the same dwelling unit and eating together from the same pot

and/or making common provision for food or other living arrangements.

Respondent:

A respondent is any person who is at least twelve (12) years, and answers the questions during the survey.

Block:

A definable and demarcated land area marked on the map for identification purposes.

Fallow Land:

Land not ploughed during the survey season but was ploughed during the past year(s). For a piece of land to be regarded as fallow it has to stay at most five years without being ploughed. However, this differs from one region to the other.

Field:

A piece of land under one use. It could be either under one crop, crop mixture or lying fallow.

Planted Land:

Land area that is planted during the current agricultural season.

Crop Mixture:

This is when more than one crops are Inter-planted in one field such as sorghum, maize and pulses.

Pure Stand:

This is when one crop is planted in one field. For example, when maize is planted alone in one field.

Planting Season:

This is the period from October of any year to February of the following year.

Harvesting Season:

This is usually from May to August of any given year.

Cattle Holder:

An Agricultural Holder with at least 100 cattle. This holder is not exclusive to cattle holding but may hold other holdings such as small stock, cropland and/or other animals including poultry (at least 25 chickens).

Other Agricultural Holder:

Any agricultural Holder who has at most 99 cattle in addition to other holdings such as small stock, crop land and other animals including poultry (at least 25 chickens).

Birth Rate:

This refers to the ratio of total number of births during the survey year to total number of livestock (cows, female goats and sheep one year and over) during the same survey year or agricultural season.

Death Rate:

This refers to ratio of total number of deaths during the survey year to total number of livestock by type (cattle, goats and sheep) during the same survey year or agricultural season.

Off take: = Sales – Purchase + Home Slaughter.

Off take Rate:

This refers to ratio of off take to total number of livestock by type (cattle or goats and sheep) during the survey year or agricultural season.

APPENDIX III: QUESTIONNAIRES

FORM II: TRADITIONAL FARMERS - SECOND VISIT

Section I: IDENTIFICATION

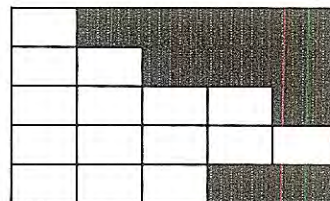
1 Agricultural Region:

2 Agricultural District:

3 Block Number

4 Dwelling Number

5 Household Number



6 Full Name of Holder

7 Sex of Holder

[Male = 1 Female = 2]

8 Name of Respondent

9 Is the respondent the:

1 Holder

2 Spouse of Holder

3 Son of Holder

4 Daughter of Holder

5 Other Relative of Holder

6 Not Related

1	
2	
3	
4	
5	
6	

Enumerator's Visit Log

Visit No.	Date	Time	Remarks

Enumerator's	Name
	Signature
	Date
Supervisor's	Name
	Signature
	Date

Comments:

Household Schedule

ALL PERSONS					ALL PERSONS AGED 5 YEARS AND OVER					
					EDUCATION		AGRICULTURAL WORKERS			
1	2	3	4	5	7	8	9			
PERSON	NAMES OF ALL HOUSEHOLD MEMBERS	RELATIONSHIP TO HOUSEHOLD HEAD?	SEX?	AGE IN COMPLETED YEARS?	Has attended school?	What level or grade is studying?	What was the highest level or grade completed?	During this agricultural season, did do any work on this holding? (Include work for payment in cash, in kind or for no payment)		
NUM- BER	What are the names of all those persons who spent last night with this household? Start with household head Include newly-born babies, the disabled, old persons etc	0 Head 1 Spouse 2 Son/ Daughter 3 Grandchild 4 Parent 5 Brother/ Sister 6 Other Relative 7 Not Related	1 M 2 F	If less than one year old code 00 If more than 97 years old code 98	1 Never Go To Column 6A 2 Still at School 3 Left School Go To Column 9	Use code below Column 10A	Use code below Column 10A	9A Did work? 1 Yes 2 No Column 10A	9B Type of activity 1 Live-stock 2 Crops 3 Both 4 Other	9C Payment? 1 Cash 2 In kind 3 Both 4 None
0 1										
0 2										
0 3										
0 4										
0 5										
0 6										
0 7										
0 8										
0 9										
0 10										
0 11										
0 12										
0 13										
0 14										
0 15										
0 16										
0 17										
0 18										
0 19										
0 20										
0 21										
0 22										
0 23										
0 24										
0 25										

CODES FOR LEVEL OF EDUCATION

Primary		
10 Left at Standard 1	15 Standard 5	14 Standard 4
11 Standard 1	16 Standard 6	13 Standard 3
12 Standard 2	17 Standard 7	19 Not Known

Secondary	
21 Form 1	25 Form 5
22 Form 2	26 Form 6
23 Form 3	29 Not Known
24 Form 4	

[illegible]

Vocational/Technical (eg Brigades, ATTS, TTC, etc)	Tertiary (University and its Affiliates)	
31 Year 1 34 Year	40 Year 1	42 Year 4
32 Year 2 35 Year	41 Year 2	43 Year 5 and over
33 Year 3	42 Year 3	44 Not Known

10 **RECORD CONTROL: For Office Use Only**

Number of Persons	Number of Fields

Section II: PARTICULARS OF THE HOLDING11 **TO ENUMERATOR: COMPLETE THE HOUSEHOLD SCHEDULE FIRST ON PAGE 4.**

12 Is this holding operated by:

- | | | |
|--|---------------|-----------------------------|
| 1. An individual living on site | <i>Circle</i> | |
| 2. An individual living elsewhere | 1 | |
| 3. A household with two or more persons | 2 | |
| 4. A corporation | 3 | |
| 5. A Co-operative | 4 | |
| 6. A government agency | 5 | } <i>Skip to Section IV</i> |
| 7. Other organisation (<i>Specify</i>) _____ | 6 | |
| | 7 | |

13 In addition to activities mentioned in Q16, what other economic activities are undertaken in this holding for commercial gain?

- | | |
|--|---------------|
| | <i>Circle</i> |
| 1. Transport services | 1 |
| 2. Ploughing services | 2 |
| 3. Hunting/Trapping | 3 |
| 4. Game/Wildlife propagation | 4 |
| 5. Fishing | 5 |
| 6. Tree Planting | 6 |
| 7. Timber Harvesting | 7 |
| 8. Trading Store/Shop/Vendor | 8 |
| 9. Veldt Products | 9 |
| 10. Traditional beer | 10 |
| 11. Craft-Work | 11 |
| 12. Selling Livestock/Crop Produce | 12 |
| 13. Other Goods (<i>Specify</i>) _____ | 13 |

Section III PARTICULARS OF THE HOLDER

14 State the sex of the holder

(*Circle Appropriate Code*)
 [Male = 1 Female = 2]

15 What is the age of the holder? (*In complete years*)

16 What is the marital status of the holder?

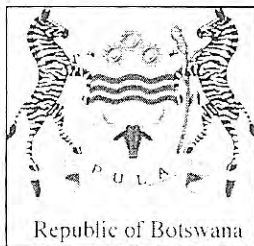
- | | |
|--------------------|---------------|
| | <i>Circle</i> |
| 1. Married | 1 |
| 2. Never married | 2 |
| 3. Divorced | 3 |
| 4. Widowed | 4 |
| 5. Separated | 5 |
| 6. Living together | 6 |

17 a. Is the holder a Full-time Farmer?

(*Circle Appropriate Code*)
 [Yes = 1 No = 2]

b. What are his/her other occupations?

_____	<i>Office</i>

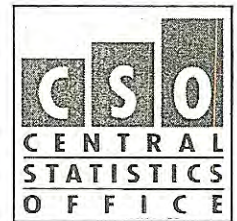


Central Statistics Office

Private Bag 0024, GABORONE, BOTSWANA

ANNUAL AGRICULTURAL SURVEY

Collected Under Statistics Act (Cap 17:01)



Form I: Identification Form - First Visit

Section I: Locality Identification

- 1 Agricultural Region: _____
- 2 Agricultural District: _____
- 3 Block Number _____
- 4 Locality Name _____
- 6 Enumerator's Name _____
- 7 Date when listing commenced _____
- 8 Date when listing completed _____
- 9 Supervisor's Name _____
- 10 Date Checked _____

(Codes)

5. Form Continuation
Total Number of Forms

This Page is
Part:
of :

11 (Office and Supervisor Use)

Class	Random Start	Interval
1 - 10	Take all	Take all
11 - 20		2
21 - 30		3
31 - 40		4
41 - 50		5
51 - 80		6
81 - 120		10
121 +		11

12 (Supervisor Use)

Part Number	Total Number of Holders	Number of Cattle Holders
Part 1		
Part 2		
Part 3		
Part 4		
Part 5		
Part 6		
Part 7		
Part 8		
Part 9		
Part 10		
Part 11		
Part 12		
Part 13		
Part 14		
Part 15		
Part 16		
Part 17		
Total		

- 12a Total Number of Holders
- 12b Total Number of Cattle Holders
- 13a Number for selection
- 13b Number of Selected Holders
- 13c Total Number of Selected Holdings
- 13d Total Number of Listed Dwellings
- 13e Total Number of Occupied Dwellings

Supervisor's Signature: _____

Date: _____

Section II: Listing of Dwellings and Household

Question 14a

1	2	3	4	5	6	7	8			
Dwelling Number (Census Plate)	Is this Dwelling Occupied at this time Yes = 1 No = 2	Household No.	Interview Status 1 Completed 2 Call-back 3 Vacant 4 Refusal 5 Not at Home	What is the name of the head of this household ?	Sex M=1 F=2	Is the head of this household living in this household at this time? Yes = 1 No = 2	How many people live in this household now ? Number	9A	9B	9C
								LANDS Yes = 1 No = 2	CROPS Yes = 1 No = 2	CATTLE Number
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										

14b Number of Dwellings listed

14c Number of Occupied Dwellings

\a Mules, Camels etc to be counted together

Section III: Sketch Map of the Locality

- 15
- a. Draw a sketch map of the locality to show the locations of the dwelling units

b. Place dwelling numbers (from Section II, Column 1) on the map

c. Draw roads, rivers, schools and other prominent landmarks on the map

Enumerator / Supervisor Comments

9							10	11	12	
Does any member of this household manage or operate any of the following in Questions 9A - 9I? (include owned and Mafisa livestock)							Ask for the Holder's Name if any of the following is reported. LAND, CROPS LIVESTOCK and POULTRY. NOTICE: IF ONLY POULTRY IS REPORTED THE NUMBER MUST BE AT LEAST 25 BIRDS	11A To be used for selection	11B Off-ice Use	Do you have any permanent dwellings other than here, and if YES, where are they located (Write locality names)
9D	9E	9F	9G	9H	9I	9J				
If YES to any Columns 9C to 9I, write NUMBER of livestock in appropriate box and if NO, then, write zero										
SHEEP	GOATS	DON-KEYS	HORSES	PIGS	POULTRY	OTHER \a				
Numbe	Numbe	Numbe	Numbe	Numbe	Numbe	Number				
										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

14d Total number of holders on this FORM

14e Cattle Holders with 100 cattle or more

- 22 a. When did you first plough your land this season?
b. When did you last plough your land this season?
c. When did you first plant your crops this season?
d. When did you last plant your crops this season?

Month Year

- 23 What was the draught power used to plough the fields?

1. Oxen
2. Cows
3. Both
4. Donkeys
5. Tractor
7. Hand hoe
7. Other (*Specify*)

Circle

- 1
2
3
4
5
6
7

- 24 What is your span size in case of draft power being Oxen, Oxen mixed with other Cattle, Donkeys etc?

	Size of Span					
	2	4	6	8	10	12
1. Oxen						
2. Cows						
3. Both						
4. Donkeys						

- 25 Who owned this draught power?

1. Self/Family
2. Self plus Borrowed
3. Mafisa
4. Hired
5. Borrowed
6. Other (*Specify*)

Circle

- 1
2
3
4
5
6

- 26 What methods were used to plant the seeds?

1. Broadcast
2. Row planter
3. Row plant by hand
4. Other (*Specify*)

Circle

- 1
2
3

- 27a Are your Land Areas(Masimo) in which you have fields fenced?

1. Yes - All Land Areas
2. Yes - Some Land Areas
3. No - none

→ Section VII

- 27b What kind of fences have been used?

1. Bush
2. Wire and Poles
3. Poles Only
4. Other (*Specify*)

Section VII Land Measurement .

28 TAKE FIELD MEASUREMENT: VISIT EACH FIELD REPORTED IN THE HOLDING.

NOTE: MAKE SURE THAT THE NUMBER OF FIELDS REPORTED FOR AREA MEASUREMENT REFLECT THE NUMBER OF FIELDS REPORTED IN QUESTION 20 IN THAT SEQUENCE

Sketch Map of Field Field No:

Planted (1) / Fallow (2)

Area Measurements (Compass and Chain)

Side	Length(m)	Bearing		Inside Angle
		Forward	Backward	
AB : BA				
BC : CB				
CD : DC				
DE : ED				
EF : FE				
FG : GH				
HI : IH				

Side	Length(m)	Bearing		Inside Angle
		Forward	Backward	

Supervisor

Note: The first inside angle is the difference between the first bearing AB and the last backward bearing (from the starting point A).

a. Perimeter Field

b .Closing Error (%)

c. Area

Sketch Map of Field Field No:

Planted (1) / Fallow (2)

Area Measurements (Compass and Chain)

Side	Length(m)	Bearing		Inside Angle
		Forward	Backward	
AB : BA				
BC : CB				
CD : DC				
DE : ED				
EF : FE				
FG : GH				
HI : IH				

Supervisor

Note: The first inside angle is the difference between the first bearing AB and the last backward bearing (from the starting point A).

Side	Length(m)	Bearing		Inside Angle
		Forward	Backward	

a. Perimeter Field

b. Closing Error (%)

c. Area

Area Measurements (Compass and Chain)

Side	Length(m)	Bearing		Inside Angle
		Forward	Backward	
AB : BA				
BC : CB				
CD : DC				
DE : ED				
EF : FE				
FG : GH				
HI : IH				

Supervisor

AB and the last backward bearing (from the starting point A).

Area Measurements (Compass and Chain)

Side	Length(m)	Bearing		Inside Angle
		Forward	Backward	
AB : BA				
BC : CB				
CD : DC				
DE : ED				
EF : FE				
FG : GH				
HI : IH				

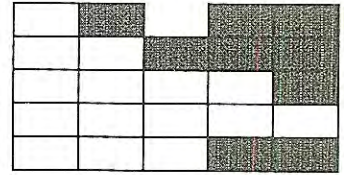
Supervisor

AB and the last backward bearing (from the starting point A).

FORM III: TRADITIONAL FARMERS - SECOND VISIT

Section I: IDENTIFICATION

- 1 Agricultural Region: _____
- 2 Agricultural District: _____
- 3 Block Number _____
- 4 Dwelling Number _____
- 5 Household Number _____



6 Full Name of Holder

7 Sex of Holder

[Male = 1 Female = 2]

8 Name of Respondent

9 Is the respondent the:

- 1 Holder
- 2 Spouse of Holder
- 3 Son of Holder
- 4 Daughter of Holder
- 5 Other Relative of Holder
- 6 Not Related

1	
2	
3	
4	
5	
6	

Enumerator's Visit Log

Visit No.	Date	Time	Remarks

Enumerator's	Name
	Signature
	Date
Supervisor's	Name
	Signature
	Date

Comments:

Section II : Livestock Part A : CATTLE

10a Does this holding own, raise, operate or manage any Cattle? (Include Mafisa Cattle in your Kr: Yes = 1 $\Rightarrow$ Question 11a
No = 2 $\Rightarrow$ Question 12

10b Has this Holding ever had any Cattle from October of previous year to September of current agricultural season? Yes = 1 $\Rightarrow$ Question 12
No = 2 $\Rightarrow$ Question 21a

11a How many Cattle do you have (Include Cattle owned by other members of this Holding, Mafisa and Matimela)?

	Bulls	Oxen	Cows	Heifers	Tollies	Male Calves	Fernale Calves	Total
1. Owned								
2. Mafisa In								
3. Matimela								
4. TOTAL								
5. Mafisa Out								

11b Major Cattle Breed: Which is the major breed amongst your Cattle?

11c Which breed of cattle do you prefer most?

11d Cattle Breed Preference: Why do you prefer this particular breed

11e Bull: What is the main bull type or semen used amongst your Cattle?

11f Which breed of Bulls/Semen do you prefer Most?

11g Bull Type Preference: Why do you prefer this particular breed/Semen?

12 Sales: How many Cattle were sold or traded out from October of previous year to September of current Agricultural season
In case of cattle being exchanged for other goods please state the value of those goods or give description of those goods

S o l d T o		S o l d		T r a d e d			Office Use
		Number	Value (Pula)	Numbe	Value (Pula)	Description	
1. BMC Direct:	1 to 3 Years						
	Over 3 Years						
2. BMC Agent:	1 to 3 Years						
	Over 3 Years						
3. Co-operative:	1 to 3 Years						
	Over 3 Years						
4. A Farmer:	1 to 3 Years						
	Over 3 Years						
5. At Auction:	1 to 3 Years						
	Over 3 Years						
6. Municipal Abattoir:	1 to 3 Years						
	Over 3 Years						
7. Local/Village Abattoir	1 to 3 Years						
	Over 3 Years						
8. Trader:	1 to 3 Years						
	Over 3 Years						
9. Butcher:	1 to 3 Years						
	Over 3 Years						
10. Feedlot	1 to 3 Years						
	Over 3 Years						

13 How many Calves were born from October of previous year to September of current Agricultural season?

14a How many Calves died from October of previous year to September of current Agricultural season? (If no deaths go to)

14b Causes of deaths?

Tick where applicable

1. Diseases	2. Parasites	3. Accidents	4. Predators	5. Other

15 How many Calves were lost due to strays and theft from October of previous year to September of current Agricultural season?

16a How many Cattle, excluding Calves, died from October of previous year to September of current Agricultural season?
(If no deaths go to Question 17)

16b Causes: of deaths?

Tick where applicable

1. Diseases	2. Parasites	3. Accidents	4. Predators	5. Other

17 How many Cattle were lost due to strays and theft from October of previous year to September of current Agricultural season?

18 How many Cattle were slaughtered for your home consumption from October of previous year to September of current Agricultural season? Include slaughter for weddings, death ceremonies etc

19 **Given Away:** How many Cattle were given away (including Bogadi) from October of previous year to September of current Agricultural season?

20 **Purchases:** How many Cattle were purchased/obtained from October of previous year to September of current Agricultural season? In case of Cattle being exchanged for other goods please state the value of those goods or give description of those goods

Purchased/Obtained	Number	Value (Pula)	Description of goods if applicable	Office Use
1. Purchased				
2. Obtained				

Section II : Livestock Part B : GOATS

21a Does this holding own, raise, operate or manage any Goats? (Include Mafisa Goats in your Kr. Yes = 1 $\Rightarrow$ Question 22
No = 2

21b Has this Holding ever had any Goats from October of previous year to September of current agricultural season?

Yes = 1 $\Rightarrow$ Question 23

No = 2 $\Rightarrow$ Question 32a

22 How many Goats do you have (Include Goats owned by other members of this Holding Mafisa and Matimela)?

	He Goats 1 Year & Over	Males 1 Year & Over	Females 1 Year & Over	Males Under 1 Year	Females Under 1 Year	TOTAL
1. Owned						
2. Mafisa In						
3. Matimela						
4. TOTAL						
5. Mafisa Out						

23 How many Kids were born from October of previous year to September of current Agricultural season?

24a How many Kids died from October of previous year to September of current Agricultural season? (If no deaths go to Question 25)

24b Causes: of deaths?

Tick where applicable

1. Diseases	2. Parasites	3. Accidents	4. Predators	5. Other

25 How many Kids were lost due to strays and theft from October of previous year to September of current Agricultural season?
Do not include Kids already reported as dead.

26a How many Goats, excluding Kids, died from October of previous year to September of current Agricultural season?
(If no deaths go to Question 27)

26b Causes: of deaths?

Tick where applicable

1. Diseases	2. Parasites	3. Accidents	4. Predators	5. Other

27 How many Goats were lost due to strays and theft from October of previous year to September of current Agricultural season?
Do not include Goats already reported as dead.

28 How many Goats were slaughtered for consumption from October of previous year to September of current Agricultural season?
Include slaughtered for weddings, deaths ceremonies etc

29 How many Goats were given away from October of previous year to September of current Agricultural season?

30a How many Goats were sold or traded from October of previous year to September of current Agricultural season?
Include BMC, Auctions, Abattoirs, Traders Farmers etc

Sales/Traded	Number	Value (Pula)	Description of traded goods where applicable	Office Use
1. Sales				
2. Traded				

31 How many Goats were purchased/obtained from October of previous year to September of current Agricultural season?
In case of Goats being exchanged for other goods please state the value of those goods or give description of those goods

Purchased/Obtained	Number	Value (Pula)	Description of goods where applicable	Office Use
1. Purchased				
2. Obtained				

Section II : Livestock Part C : SHEEP

32a Does this holding own, raise, operate or manage any Sheep? *(Include Mafisa Sheep in your Kr* Yes = 1 $\Rightarrow$ Question 33
 No = 2

32b Has this Holding ever had any Sheep from October of previous year *Yes = 1 $\Rightarrow$ Question 34*
to September of current agricultural season? *No = 2 $\Rightarrow$ Question 43*

33 How many Sheep do you have *(Include Sheep owned by other members of this Holding, Mafisa and Matimela)?*

	Rams 1 Year & Over	Males 1 Year & Over	Females 1 Year & Over	Males Under 1 Year	Females Under 1 Year	Total
1. Owned						
2. Mafisa In						
3. Matimela						
4. TOTAL						
5. Mafisa Out						

34 How many Lambs were born from October of previous year to September of current Agricultural season?

35a How many Lambs died from October of previous year to September of current Agricultural season? *(If no deaths go to Question 36)*

35b Causes: of deaths?

Tick where applicable

1. Diseases	2. Parasites	3. Accidents	4. Predators	5. Other

36 How many Lambs were lost due to strays and theft from October of previous year to September of current Agricultural season?
Do not include Lambs already reported as dead.

37a How many Sheep, excluding Lambs, died from October of previous year to September of current Agricultural season?
(If no deaths go to Question 38)

37b Causes: of deaths?

Tick where applicable

1. Diseases	2. Parasites	3. Accidents	4. Predators	5. Other

38 How many Sheep were lost due to strays and theft from October of previous year to September of current Agricultural season?
Do not include Sheep already reported as dead.

39 How many Sheep were slaughtered for consumption from October of previous year to September of current Agricultural season?
Include slaughtered for weddings, deaths ceremonies etc

40 How many Sheep were given away from October of previous year to September of current Agricultural season?

41a How many Sheep were sold or traded from October of previous year to September of current Agricultural season?

Sales/Traded	Number	Value (Pula)	Description of traded goods where applical	Office Use
1. Sales				
2. Traded				

42 How many Sheep were purchased or obtained from October of previous year to September of current Agricultural season?
In case of Sheep being exchanged for other goods please state the value of those goods or give description of those goods

Purchased/Obtained	Number	Value (Pula)	Description of goods if applicable	Office Use
1. Purchased				
2. Obtained				

Section II : Livestock Part D : OTHER LIVESTOCK

43 How many Other Livestock is in this Holding and how many were sold/traded from October of previous year to September of current Agricultural season? State the value or describe animals exchanged for those goods or give description of those goods?

	Current	SALES		TRADED	
	Number	Number	Value (Pula)	Number	Description of traded goods where Value (Pula)
1. Pigs					
2. Donkeys					
3. Mules					
4. Horses					
5. Dogs					
6. Chickens					
8. Other					

44a Were any pesticides used on your livestock from October of previous year to September of current Agricultural season?

Yes = 1

No = 2 $\Rightarrow$ Question 45a

44b What type of pesticide did you use?

1. Organophosphate

1. Parathion	
2. Diamond Backmorth	
3. Malathon	

3. Carbomates

1. Carbarly	

2. Organochlorides

1. DDT	
2. Addreen	

4. Pyrethroids

1. Cypermethrin	
2. Alphametrhin	

44c What were these pesticides used to control?

Tick where appropriate

1. Insects	2. Parasites	3. Disease/Fung	4. Other (Specify)

Section III : Crop Production Part A : CROPS AND FALLOW FIELDS CHANGES

45a Did this Holding plant/plough crops this year? from October of previous year to September of current Agricultural season?

Yes = 1

No = 2 $\Rightarrow$ Question 55a

45b Is the ploughing/plating taking place along Molapo (river bank) or on Dry Land (*Tick where appropriate*)?

1. Molapo (River Bank)	2. Dry Land	3. Both Dry Land and Molapo (River Bank)

Yes = 1

No = 2 $\Rightarrow$ Question 47a

Read out the list, update it and take field measurements and record the data on the page at the back of the questionnaire

[illegible]

Section III : Crop Production Part B : FARMING PRACTICE

47a Were any chemical or manure fertilisers used on any of your crop fields?

Yes = 1

No = 2 $\Rightarrow$ Question 48

47b What type of fertilisers did you use?

[illegible]

48 Were any pesticides used on your crop fields from October
of previous year to September of current Agricultural season?

Yes = 1

No = 2 $\Rightarrow$ Question 51a

49 What type of pesticide did you use?

1. Organophosphate

1. Parathion
2. Diamond Backmorth
3. Malathion

2. Organochlorides

1. DDT
2. Addreen

3. Carbomates

1. Carbarly

4. Pyrethroids

1. Cypermethrin
2. Alphamethrin

50 What were these pesticides/chemicals used to control?

Tick where appropriate

1. Insects	2. Parasites	3. Disease/Fungus	4. Other (Specify)

51a Did you weed your crop fields this year?

Yes, All = 1

Yes, Some = 2

$$N_0 = 3$$

⇒ Question 52

51b How many times did you weed your fields?

Section III : Crop Production Part C : DISPOSAL OF CROP PRODUCE

52 SEE NEXT PAGE FOR TOTAL PRODUCTION AND CROP DISPOSAL

Section III : Crop Production Part B : DISPOSAL OF CROP PRODUCE

52 Now ask the Holder about the harvested crops .

Harvesting Codes	Field Number					Field Number					Field Number					Field Number					Field Number					
Has been Harvested = 1																										
Will be Harvested = 2	Crop:	Crop:	Crop:	Crop:	Crop:	Crop:	Crop:	Crop:	Crop:	Crop:	Crop:	Crop:	Crop:	Crop:	Crop:	Crop:	Crop:	Crop:	Crop:	Crop:	Crop:	Crop:	Crop:	Crop:	Crop:	Crop:
Will not be Harvested = 3																										
a. Office Use (Crop Code)																										
b. Harvesting Status Code																										
c. Total Production																										
Type of Unit																										
Weight of Unit (Kg)																										
Number of Units																										
Office Use (Qty Kg)																										
d. Home Consumption																										
Type of Unit																										
Weight of Unit (Kg)																										
Number of Units																										
Office Use (Qty Kg)																										
e. Stored																										
Type of Unit																										
Weight of Unit (Kg)																										
Number of Units																										
Office Use (Qty Kg)																										
f. Given Away																										
Type of Unit																										
Weight of Unit (Kg)																										
Number of Units																										
Office Use (Qty Kg)																										
g. Sold/Traded																										
Type of Unit																										
Weight of Unit (Kg)																										
Number of Units																										
Amount Received (Pula)																										
Office Use (Qty Kg)																										
h. Expected further sales																										
Type of Unit																										
Weight of Unit (Kg)																										
Number of Units																										
Amount Expected (Pula)																										
Office Use (Qty Kg)																										

53 To whom were most of the crops sold?

1. BAMB Directly
2. BAMB Agent
3. Co-operative
4. Private Trader
5. Public Directly
6. Millers
7. Other (specify) _____

Sorghum		Maize		Millet		Cow Peas		Groundnuts		Sunf	Others
Qty	Pula	Qty	Pula	Qty	Pula	Qty	Pula	Qty	Pula	Qty	Pula

54 What was the main reason for not harvesting the crops mentioned earlier in Question 52 (*Circle Appropriate code*)?

- | | | | |
|---|---|-----------------------------------|---|
| 1. Lack of rain | 1 | 5. Crops destroyed by floods | 5 |
| 2. Crops destroyed by Livestock | 2 | 6. Crops destroyed by weeds | 6 |
| 3. Crops attacked by insects (locust etc) | 3 | 7. Crops destroyed by frost | 7 |
| 4. Crops attacked by pests (quelea birds etc) | 4 | 8. Crops destroyed by wildlife | 8 |
| | | 9. Other (<i>Specify</i>) _____ | 9 |

Section IV : WATER SUPPLY ,FARM EQUIPMENT AND MACHINERY INVENTORY

55a What is your most reliable source of water supply for the following?

	1. Borehole	2. Well(Petse Sediba)	3. Dam	4. River (Open well) (Including Go shaola)	5. Lecha (Pan)	6. Pond (Mogobe)	Other Specify
1. Irrigation							
2. Livestock							
3. Household							

55b Who owns the water source?

Tick where appropriate

	Self	Family	Syndicate	Community	Council	None
1. Borehole						
2. Well (Petse/Sediba se se fatilweng)						
3. Dam						
4. River(Including Go shaola)						
5. Lecha (Pan)						
6. Pond (Mogobe)						

56 How many of the following are in good working condition or temporarily out of order? **Include those temporarily out of order**

	Working Condition		
	Good	Temporarily Out of Order	Total
1. Harrow			
2. Single Plough			
3. Double Plough			
4. Single Planter			
5. Double Planter			
6. Cultivator			
7. Mower			
8. Hoe			
9. Rake			
10. Wheel Barrow			
11. Thresher			
12. Tractor			

13. Truck
14. Trailer
15. Cart
16. Sledge
17. Spray race
18. Spray pump
19. Dip-tank
20. Maize grinder
21. Maize Sheller
22. _____
23. _____
24. _____

	Working Condition		
	Good	Temporarily Out of Order	Total

Section V : FARM ENTERPRISE - ECONOMIC SECTION

57a What are the sources of income for this Holding (*Circle Appropriate code*)?

- | | | | |
|--------------------------------|---|--|---|
| 1. Sale of Crop produce | 1 | 5. Income from a business other than farming | 5 |
| 2. Sale of Livestock | 2 | 6. Remittances | 6 |
| 3. Income from paid Employment | 3 | 7. Pension | 7 |
| 4. Sale of other produce | 4 | 8. Other (<i>Specify</i>) _____ | 8 |

57b Of the ones indicated above , which do you regard as the most important?

58a What are the sources of food for this Holding (*Circle Appropriate code*)?

1. Own farm production
2. Purchased food
3. Government rations
4. Supplies from relatives /friends
5. Other (*Specify*) _____

Circle
1
2
3
4
5

58b Of the ones indicated above , which do you regard as the most important?

59a Have you heard of ALDEP, i.e. Arable Land Development Programme?

Yes = 1

No = 2 ⇒ Question 59d

59b Did this Holding participate in the ALDEP programme?.

Yes = 1

No = 2 ⇒ Question 59d

59c What was the package obtained?

1. Fencing
2. Implements
- 3a. Draught Power: Donkeys/Mules
- 3b. Draught Power: Cattle

Circle

1

2

3a

3b

4. Scotch Cart

5. Water tanks

6. Small Stock

7. Other (*Specify*) _____

Circle

4

5

6

7

59d Apart from ALDEP Programme what other programmes of the Ministry of Agriculture do you know?

1. None (*If NONE go to Question 60a*)
2. Livestock Water Development
3. SLOCA
4. Other (*Specify*) _____

Circle

1

2

3

4

59e Which of these programmes have you used?

1. NONE
2. SLOCA
3. Livestock Water Development
4. Other (*Specify*) _____

Circle

1

2

3

4

Section V : FARM ENTERPRISE: FARM CREDIT

60a Are you aware of any credit Institution?

Yes = 1

No = 2 ⇒ Question 62

60b Did this Holding receive any credit this year?

Yes = 1

No = 2 ⇒ Question 62

60c How much was the credit during this Agricultural Season?

60d What was this Credit used for?

1. Livestock
2. Crops
3. Other (*Specify*) _____

Circle

1

2

3

61 Which credit Institutions helped you?

1. NDB
2. Commercial Banks
3. Other Loan Facilities (*Specify*) _____

Circle

1

2

3

Section V : FARM ENTERPRISE - FARM LABOUR

62 Did you employ/hire anyone on fulltime or on temporary basis to work on this holding from October of previous year to September of current Agricultural season?

1. Yes, on Full Time basis
2. Yes, on Temporary basis
3. Yes, Both on Full Time and on Temporary basis
4. No

Circle

1

2

3

4

⇒

Question 62

⇒

END OF INTERVIEW

Question 62 WORKERS CURRENTLY EMPLOYED IN THE HOLDING AND THEIR IMPEDIMENTS THAT INHIBITS THEIR PERFORMANCE

	NAME	FAMILY MEMBER	SEX	AGE	MARITAL STATUS	SCHOOL	HIGHEST LEVEL	TRAINING RECEIVED	OCCUPATION	EMPLOYEE STATUS	HOURS WORKED	PAY-TIME	HOW PAID	AMOUNT	CASH EQUI-	INCOME	IMPEDI-MENTS
	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
W O R K E R N U M B E R	Please GiveProvide Names of all Persons Working in this Holding	Is a Family Member? 1. Yes - 2. No	1. Male 2. Female	How Old is? (Age In Completed Years)	1. Married 2. Separated 3. Living Together 4. Divorced 5. Widowed 6. Never Married	Has Ever Attended School? 1. Yes - Attending 2. Yes - But Left School 3. No - Skip to Column 9	What Highest Level/ Grade Has..... Completed? (Use Education Codes In Household Schedule)	How did Get the Skills He/She has now? 1. None 2. Self taught 3. Apprenticeship 4. On the Job 5. Technical/ Vocational Institution Other (Specify)		Is a Regular Paid Employee? 1. Yes - Paid Regularly 2. Yes - Paid Apprenticeship 3. Yes - Paid Part-Time/ Casual 4. No - Go To Column 12 And Skip To Column 17	How Many Hours a Week Does Usually Work?	How Often is Paid? 1. Daily 2. Weekly 3. Fortnightly 4. Monthly 5. Six Month 6. Yearly Other (Specify)	How is....Paid 1. Cash Only Go To Column 15 And Skip To Column 17 2. In Kind Go To Column 16 3. Both Complete Columns 15 And 16	How Much Cash To The Nearest P5?	How Much Is the Cash Equivalent of the In Kind Payment to the Nearest P5?	How Much Income Does..... Get From Other Activities Outside this Activity, (write total for whole period of agricultural season)	1 None 2 One Limb 3 Two Limbs 4 Sight 5 Hearing 6 Mental 7 Long Illness OTHER
1																	
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	

NOTE: Column 8 - HIGHEST LEVEL OF EDUCATION COMPLETED:

Primary		
10 Left at Standard 1	15 Standard 5	14 Standard 4
11 Standard 1	16 Standard 6	13 Standard 3
12 Standard 2	17 Standard 7	19 Not Known

Secondary	
21 Form 1	25 Form 5
22 Form 2	26 Form 6
23 Form 3	29 Not Known
24 Form 4	

Vocational/Technical (eg Brigades, ATTS, TTC, etc)	
31 Year 1	34 Year
32 Year 2	35 Year
33 Year 3	

Tertiary (University and its Affiliates)		
40 Year 1	42 Year 4	
41 Year 2	43 Year 5 and over	
42 Year 3	44 Not Known	

Sketch Map of Field

Field No:

Planted (1) / Fallow (2)

Area Measurements (Compass and Chain)

Side	Length(m)	Bearing		Inside Angle
		Forward	Backward	
AB : BA				
BC : CB				
CD : DC				
DE : ED				
EF : FE				
FG : GH				
HI : IH				

Supervisor

AB and the last backward bearing (from the starting point A).

Side	Length(m)	Bearing		Inside Angle
		Forward	Backward	

- a. Perimeter Field
- b. Closing Error (%)
- c. Area

Sketch Map of Field

Field No:

Planted (1) / Fallow (2)

Area Measurements (Compass and Chain)

Side	Length(m)	Bearing		Inside Angle
		Forward	Backward	
AB : BA				
BC : CB				
CD : DC				
DE : ED				
EF : FE				
FG : GH				
HI : IH				

Supervisor

AB and the last backward bearing (from the starting point A).

Side	Length(m)	Bearing		Inside Angle
		Forward	Backward	

- a. Perimeter Field
- b. Closing Error (%)
- c. Area

Total Number of Fields:

1. Crop Fields

2. Fallow Fields

