BOTSWANA AGRICULTURAL CENSUS REPORT 2015

STATISTICS BOTSWANA

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Private Bag 0024, Gaborone
Tel: 3671300 Fax: 3952201
E-mail: info@statsbots.org.bw
Website: www.statsbots.org.bw

Contact Unit: Agricultural Statistics
Ministry of Agriculture Development and Food Security
Department of Agricultural Research,
Statistics & Policy Development
Private Bag 003, Gaborone
Telephone: (267) 3689755/753/751
Fax: (267) 3191 806

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Preface

The 2015 Agricultural Census is the fourth census of its kind. The first, second and third agricultural censuses were conducted in 1982, 1993 and 2004 respectively. The 2015 Agricultural Census was the responsibility of the Statistics Botswana through Agricultural Statistics Unit (ASU) in conjunction with the Department of Agricultural Research, Statistics and Policy Development in the Ministry of Agriculture Development and Food Security. The main objective of undertaking the census is to provide benchmarking data on agricultural sector production indicators and other relevant statistics pertaining to agriculture. These indicators and other relevant statistics are useful in the formulation and review of policies, programmes and projects geared at improving the lives of Batswana.

I wish to acknowledge all those who contributed to the success of the census, the farming community for their invaluable time and patience during data collection and all individuals and organisations who assisted in one way or the other. More specifically, I would like to acknowledge the enumerators, drivers, editors and coders who were directly involved in the data collection, entry and analysis. The Agricultural Statistics Unit staff is also commended for coordinating the exercise tirelessly within the limited resources.

It is hoped that the data will be useful in formulating and reviewing policies, programmes and projects in order to improve the performance of the agricultural sector.

Dr. Burton Mguni
Statistician General
June 2018

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SYMBOLS USED

'0'	Denotes a number too small to be rounded
'-'	Not Applicable
'( )'	Denotes a negative number

Executive Summary

Agriculture in Botswana consists of two distinct sectors, namely the commercial sector and the traditional sector (also known as subsistence agriculture). The agricultural census carried out in 2015 covered both the traditional and the commercial sectors. This report therefore presents the 2015 Agriculture Census results for both the traditional and commercial sectors.

Since 2015 was declared a drought year, the results of the 2015 agricultural census depict contrasting trends between livestock and crop production. Comparison between the 2004 Agriculture Census with the 2015 Agricultural Census figures reveal that livestock production showed a decline, while arable production showed a marked improvement in the production of the three main crops i.e. sorghum, beans/pulses and sunflower.

Cattle population dropped from 2.2 million in 2004 to 1.7 million in 2015, while the birth rate increased from 53.9 percent to 56.7 percent, mortality rate declined tremendously from 11.9 percent to 6.3 percent and off-take rate declined from 8.4 percent to 7.7 percent.

During the period under review, goats' population dropped from 1.6 million to 1.2 million, while the birth rate dropped slightly from 48.0 percent to 43.4 percent. Mortality rate dropped from 21.9 percent to 16.7 percent and off-take from 7.3 percent to 7.2 percent.

Sheep population slightly decreased from 243,902 to 242,432 and birth rate decreased from 39.2 percent to 36.4 percent between 2004 and 2015 agricultural seasons, while the mortality rate also declined from 19.4 percent in 2004 to 11.8 percent in 2015. Off-take rate dropped slightly from 7.2 to 6.6 percent during the period under review.

The 2015 agricultural census results show an overall decline in death rates for cattle, goats and sheep compared to the 2004 results. This might be due to improved farm management practices such as vaccination and supplementary feeding.

Some of the crop subsectors experienced a bumper harvest, with sorghum production increasing from 11,756 metric tons in 2004 to 35,508 metric tons in 2015. Production of beans/pulses also realized a significant increase from 2,177 metric tons to 7,187 metric tons in 2004 and 2015 agricultural seasons respectively. However, maize production dropped from 7,536 metric tons to 3,792 metric tons, and millet production also dropped from 2,697 metric tons to 555 metric tons in 2004 and 2015 respectively.

Compared to the preceding census year (2004), there was more area planted for maize and beans/pulses in 2015. This is contrary to Ministry of Agriculture Development and Food Security's advice that, when there evidence of low rainfall famers should plant drought tolerant crops, such as beans/pulses and/or sorghum. But in 2015, most farmers planted maize than sorghum and/or millet despite the fact that as earlier indicated 2015 was a year of low rainfall.

The crop sector recorded substantially high yields per hectare for sorghum and beans/pulses than for maize and millet during the 2015 cropping season compared to the year 2004. Low yields in maize clearly shows that there was very low rainfall recorded in the year and that the crop is susceptible to drought.

Chapter 1: **Introduction**

Agriculture plays an important role in rural development by providing food, income and employment for the majority of the rural dwellers. The sector has potential for growth and creation of employment opportunities particularly for the unskilled and semi-skilled people. However, the sector is not performing optimally due to recurring droughts and endemic animal diseases such as Foot and Mouth Disease (FMD). Nevertheless, agriculture still remains a viable option for poverty reduction and employment creation because it is labor intensive.

This report provides statistics on a wide range of agricultural production indicators with the view to facilitating evidence-based decision-making, policy development as well as monitoring and evaluation of agricultural development programs. In the livestock sub-sector, the report provides data on birth rates, off-take rates, death rates, number of holdings and livestock population, among several indicators mentioned. In the arable sub-sector, production indicators covered include area planted, area harvested, production and yield per hectare. Information on the agricultural holders' characteristics, such as gender as well as others are also covered.

The rest of this report is organized as follows: Chapter 2 provides a detailed analysis of the 2015 agricultural census results focusing on both the traditional and commercial sectors; this is followed by detailed livestock and crop tables for both the traditional and commercial sectors. The tables showing the characteristics of holdings in the traditional sector are then presented. The report is concluded by the methodical approach used in the 2015 agricultural census as well as the standard errors in Chapters 3 and 4.

Chapter 2: **Analysis Of The Results**

2.1 Agricultural Holders (Farmers) Characteristics

The results of the census indicate that in the 2015 agricultural season, male farmers dominated farming at 64.6 percent compared to their female counterparts with only 35.4 percent participation rate **(Table 13.1)**. The number of farm workers in the traditional sector during 2004 and 2015 agricultural censuses dropped respectively from 24,439 to 17,518 **(Table 13.10**). The decrease in the number of farm workers was attributed to low crop production during 2015 cropping season due to low rainfall. This resulted in very few farm workers being employed under crop farming. The significant increase in the average farm wage from P327 in 2004 to P832 in 2015 **(Table 13.12)** did not provide enough incentive to attract workers to farms. It is worth noting that the average wage in both years was above the minimum wage of P550 approved by Government for the agricultural sector.

According to the 2015 census results, in the traditional sector, only 21.9 percent of the farmers employed farm workers **(Table 13.9)**. The majority (95.8 percent) of these farm workers were males **(Table 13.10)**. Most workers were engaged on a permanent or full time basis accounting for 83.2 percent **(Table 13.12)**.

The participation of the youth in agriculture is still very low with only 6.6 percent of agricultural holders aged between 12 and 35 years in 2015 **(Table 13.5)**.

2.2 Livestock Statistics

Livestock statistics comprise of cattle, goats, sheep, donkeys/mules, horses, pigs, ostriches, chicken and others, but this report will only concentrate on the three major ones, being cattle, goats and sheep.

Table 2.2a: Livestock Holdings, Population and Indicators from 2004 and 2015

INDICATORS	2004			2015		
	Traditional	Commercial	Total	Traditional	Commercial	Total
CATTLE:- Total Cattle Holdings	71,826	695	**72,521**	37,753	1,301	**39,054**
Total Cattle	1,939,927	214,893	**2,154,820**	1,360,467	383,699	**1,744,166**
Offtake rate (%)	**8.0**	**12.3**	**8.4**	**6.6**	**11.8**	**7.7**
Birth rate (%)	**54.4**	**49.4**	**53.9**	**57.9**	**52.4**	**56.7**
Death rate (%)	**12.7**	**4.8**	**11.9**	**7.1**	**3.2**	**6.3**
GOATS:- Total Goats Holdings	78,363	402	**78,765**	43,853	898	**44,751**
Total Goats	1,518,456	31,881	**1,550,337**	1,143,251	61,987	**1,205,238**
Offtake rate (%)	**7.2**	**9.7**	**7.3**	**7.1**	**9.8**	**7.2**
Birth rate (%)	**48.2**	**37.9**	**48.0**	**43.6**	**38.8**	**43.4**
Death rate (%)	**21.9**	**20.7**	**21.9**	**16.7**	**15.5**	**16.7**
SHEEP:- Total Sheep Holdings	17,532	239	**17,771**	12,362	502	**12,864**
Total Sheep	232,168	11,734	**243,902**	214,234	28,198	**242,432**
Offtake rate (%)	**6.9**	**13.3**	**7.2**	**6.2**	**9.0**	**6.6**
Birth rate (%)	**39.7**	**30.7**	**39.2**	**36.7**	**34.2**	**36.4**
Death rate (%)	**19.6**	**15.5**	**19.4**	**11.7**	**12.5**	**11.8**

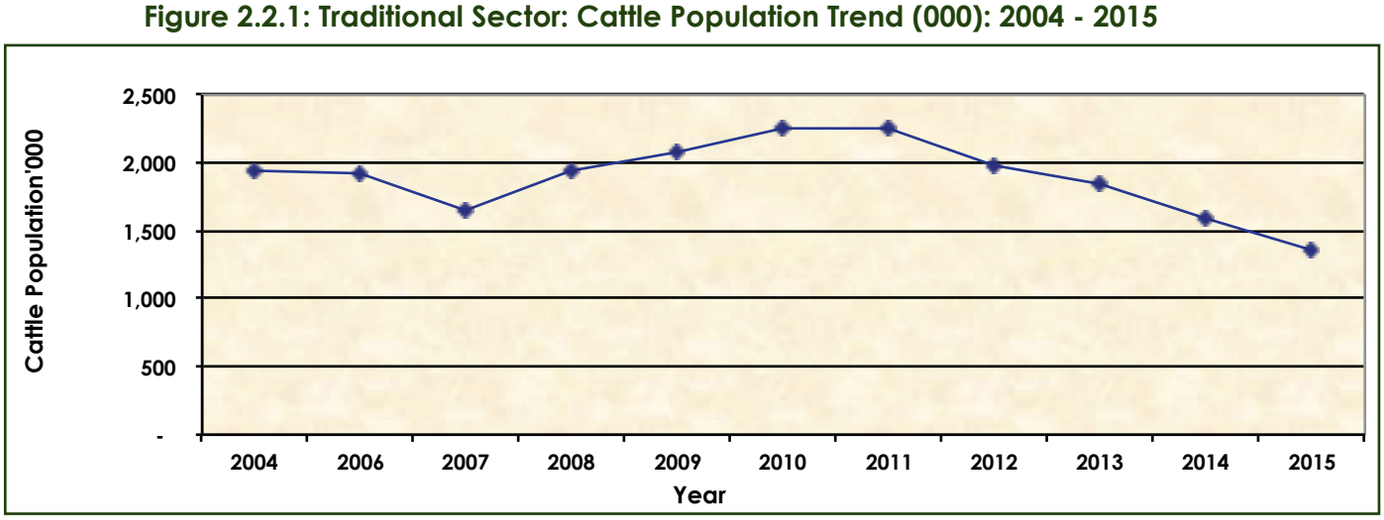
Table 2.2a indicates that the 2015 agricultural season registered a decrease in livestock population compared to the 2004 census year. Cattle population fell to 1.74 million in 2015 from 2.15 million in 2004. For the same period, goats' population decreased from 1.55 million to 1.21 million, while sheep population decreased from 243,902 to 242,432. It is worth noting that, goat rearing is most popular with 71.1 percent of farmers keeping goats, compared to 62.0 percent for cattle and 20.4 percent for sheep

In terms of gender parity, the 2015 census results reveal that males are the majority owners of livestock in the traditional sector. They own 74.4 percent of cattle, 66.7 percent of goats and 75.9 percent of sheep In terms of geographical distribution, the Central Region has the highest number of the main livestock species with, 606,283 cattle, 498,181 goats and 69,307 sheep. This has been the case for the past years.

A sizeable number of farmers use supplementary feeding in the traditional sector, with 43.9 percent, 32.4 percent and 44.6 percent of cattle, goats and sheep farmers respectively using supplementary feeds on their livestock . A majority (82.7 percent) of cattle farmers in the traditional sector vaccinate their cattle against various diseases .

Cattle population under traditional sector has generally declined between 2004 and 2015 as shown in **Figure 2.2.1.** The number of farmers keeping cattle in the traditional sector decreased significantly from 71,826 in 2004 to 37,753 in 2015, while in the commercial sector the number of holdings increased significantly from 695 in 2004 to 1,301 in 2015 . Overall cattle holdings decreased significantly from 72,521 in 2004 to 39,054 in 2015. The majority (78 percent) of cattle are kept in the traditional sector .

Figure 2.2.1: Traditional Sector: Cattle Population Trend (000): 2004 - 2015



2.2.1A Cattle Production Indicators (birth, death and off take rates).

During the period under review, the traditional sector registered a decrease in mortality rates from 11.9 percent in 2004 to 6.3 percent in 2015 **(Table 2.2a)**, which shows an improvement. Cattle off-take rates in the traditional sector slightly declined from 8.0 percent in 2004 to 6.6 percent in 2015. Birth rate has increased from 53.9 percent in 2004 to 56.7 percent 2015.

The low productivity indicators above, show that there is potential to improve the performance of cattle farming in the traditional sector.

Figure 2.2.1A: Traditional Sector: Cattle Production Indicators Trends: 2004 – 2015

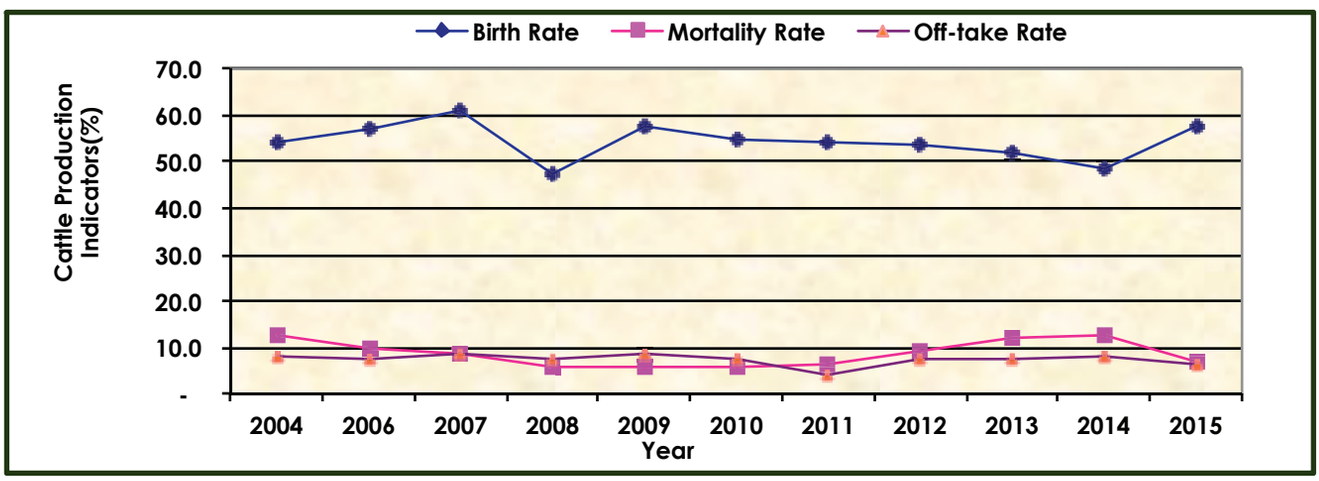
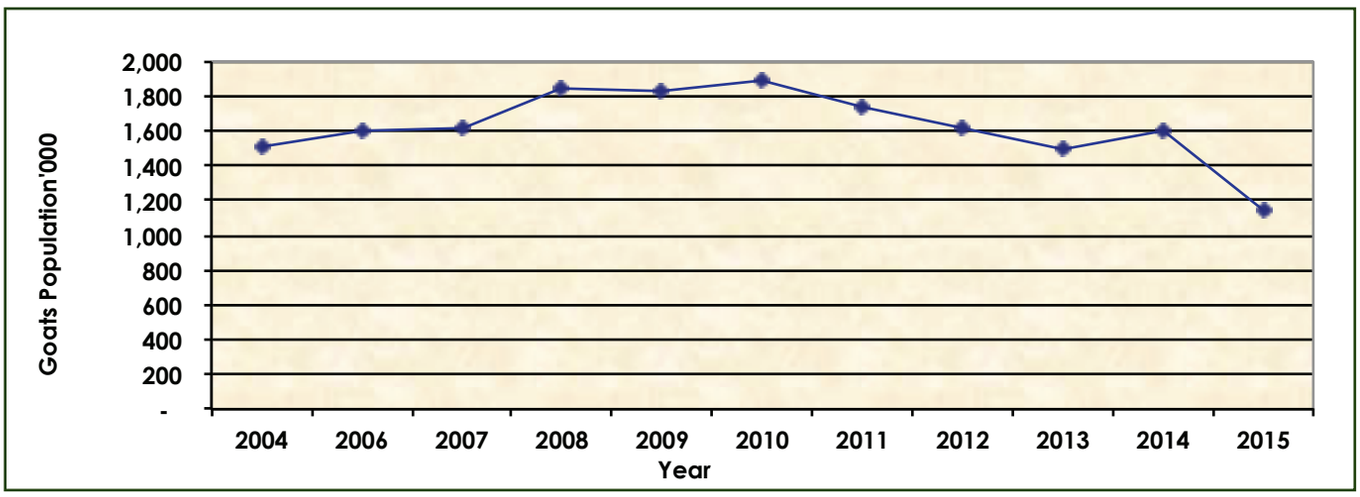


Figure 2.21A provides an illustration of the performance of the cattle industry over the past ten year period in the traditional sector. The birth rate oscillated between 50 and 60 percent. The birth rate was highest in 2007 and lowest in 2008. From 2011, the birth rate decreased steadily from 55.0 percent until it reached 48.8 percent in 2014. However, the birth rate increased to 57.9 percent in 2015. Over the past five years, both the off-take and mortality rates remained below 10 percent except in 2013 and 2014 when the mortality rate went above 10 percent to 12.9 and 12.4 percent respectively. However, the mortality rate fell below 10 percent in 2015 from 11.9 percent in 2004 to 6.3 percent in 2015.

2.2.2 Goats Holdings (Farmers) and Population

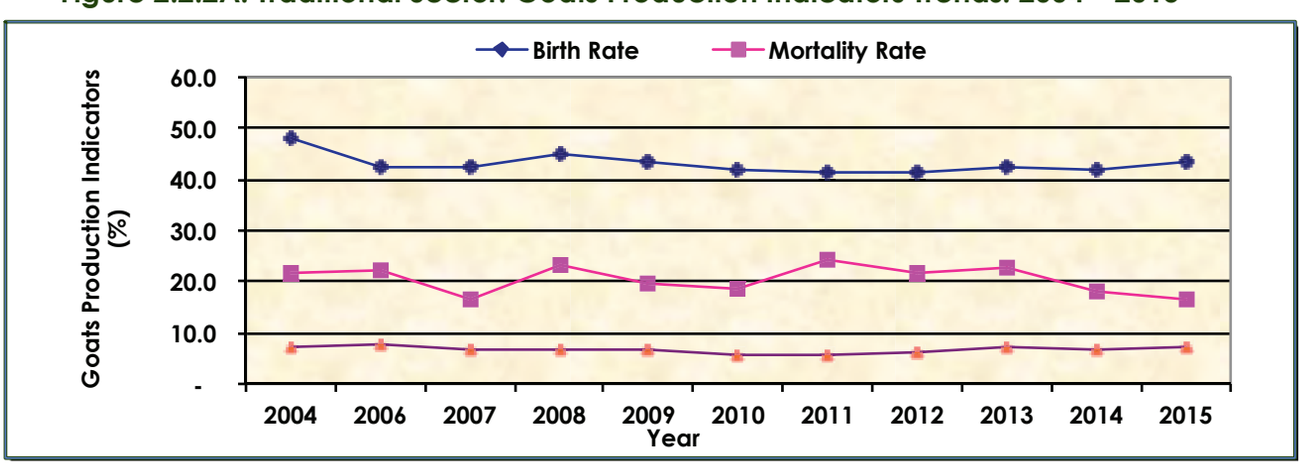
Under traditional sector, goats' population went down from 1.5 million to 1.1 million during 2004 and 2015 census periods **(Table 2.2a)**. The decrease might have been spurred by epidemic drought experienced in 2015. The traditional sector has a large share (95 percent) of goats and holdings (98 percent) compared to the commercial sector **(Table 2.2a)**.

Figure 2.2.2: Traditional Sector: Goats Population Trend: 2004 – 2015



As shown in **Figure 2.2.2**, the population of goats steadily increased from 1.6 million in 2004 to 1.9 million in 2010 and thereafter dropped to 1.5 million in 2013. The population went up to 1.6 million in 2014 and it has now dropped to 1.1 million in 2015. The number of goats' holdings in the traditional sector decreased significantly from 78,363 in 2004 to 43,853 in 2015 **(Table 2.2a)**.

Figure 2.2.2A: Traditional Sector: Goats Production Indicators Trends: 2004 – 2015



The birth rate of goats between 2004 and 2015 has varied between 40.0 percent and 50.0 percent. The year 2004 recorded the highest birth rate at 48.0 percent. In 2015, birth rate went up to 43.4 percent from 41.9 percent in 2014.

The mortality rate has also been unstable over the past ten years, and recorded a lower rate of 18.3 percent in 2014 compared to 22.8 percent in 2013. However, mortality rate has also dropped to 16.7 in 2015 from 18.3 percent in 2014.

The off-take rate also dropped slightly, with 2014 recording 6.8 percent against 7.0 percent in 2013.

2.2.3 Sheep Holdings (Farmers) and Population

According to the survey results, the overwhelming majority (96 percent) of sheep holdings are in the traditional sector **(Table 2.2a)**. Between the 2004 and 2015 agricultural seasons, the number of sheep holdings in the entire sector decreased slightly 17,771 to 12,864. The size of the sheep population also decreased from 243,902 to 242,432.

Figure 2.2.3: Traditional Sector: Sheep Population Trend (000): 2004 - 2015

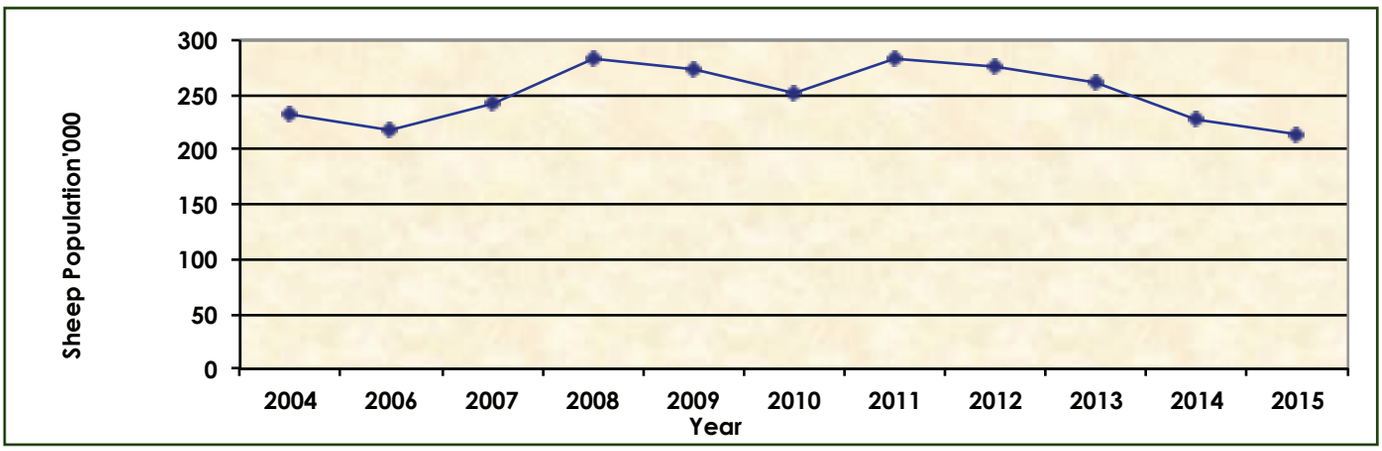


Figure 2.2.3, illustrates sheep population trend from 2004 to 2015. The figure shows that the population has fluctuated between 200, 000 and 300,000 sheep.

Figure 2.2.3A: Traditional Sector: Sheep Production Indicators Trends: 2004 – 2015

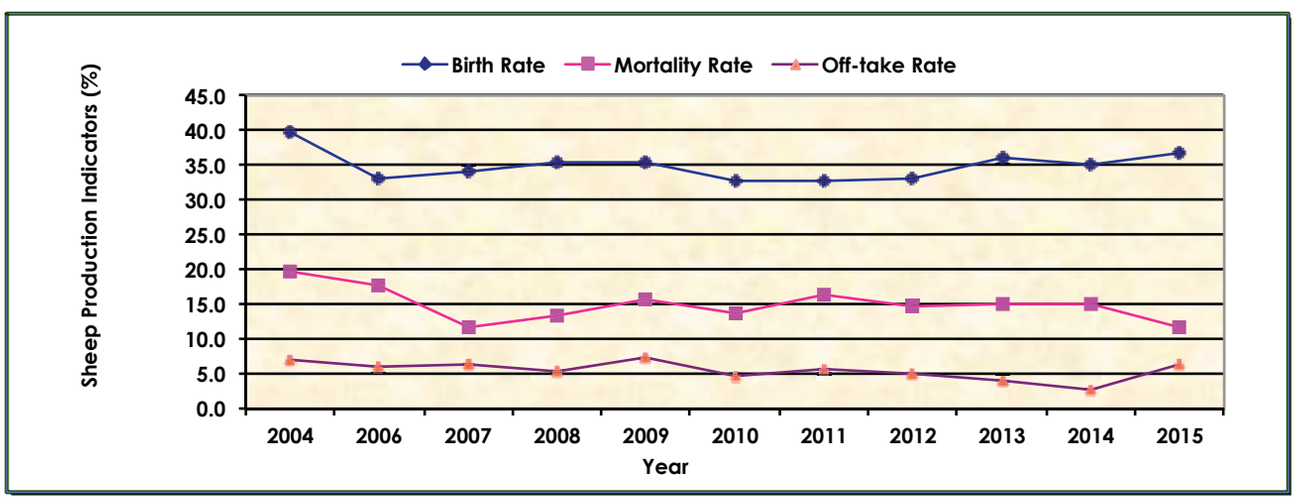


Figure 2.2.3A shows the trends in sheep production indicators in the traditional sector over the past ten years. The birth rate remained above 30.0 percent, reaching the highest mark of 40.0 percent in 2004 before dropping to 32.0 percent in 2010. However, the birth rate increased to 35.1 percent in 2014, before increasing again to 36.4 percent in 2015. The mortality rate was highest in 2004 at 19.4 percent and lowest in 2007 at 11.0 percent. The 2015 census year recorded a mortality rate of 11.8 percent. Off-take rate oscillated between 5.0 and 10.0 percent. However, it dropped to 6.6 percent in 2015.

2.3 Crop Statistics

This section gives a summary of crop statistics for 2004 and 2015 cropping seasons. Crops covered include sorghum, maize, millet, beans/pulses, sunflower, groundnuts and others. The discussion will mainly focus on the four major crops namely sorghum, maize, millet and beans/pulses.

2.3.1 Total Holdings, Total Area Planted and Harvested

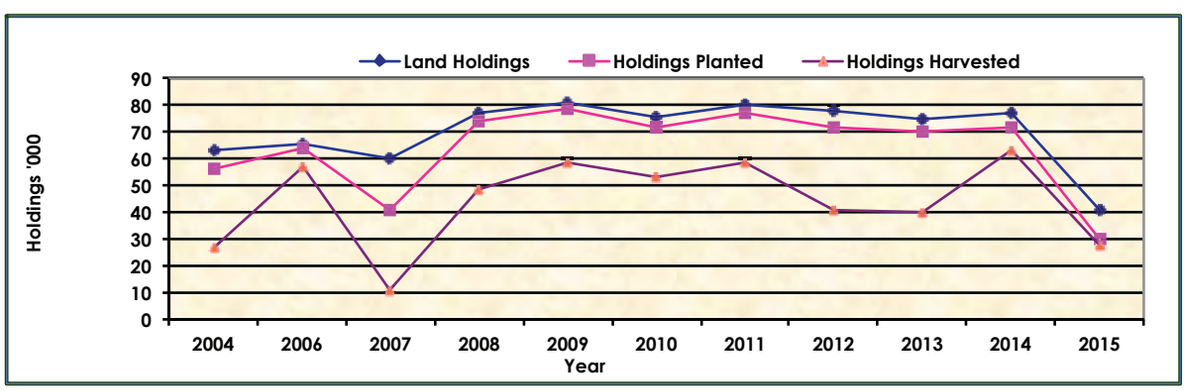
Table 2.3.1 presents total land holdings, holdings planted, land area, area planted, area harvested and fallow land in 2004 and 2015 agricultural seasons.

Table 2.3.1: Total Holdings, Area Planted & Harvested from 2004 and 2015

	TRADITIONAL SECTOR		COMMERCIAL SECTOR		TOTALS	
INDICATORS	2004	2015	2004	2015	2004	2015
Land Holdings	63,257	41,043	100	305	63,357	41,348
Holdings Planted	55,807	30,150	70	252	55,877	30,402
Total Land Area (ha)	208,752	204,965	16,856	54,691	225,608	259,656
Total Area Planted (ha)	141,585	123,251	16,856	34,562	158,441	157,813
Total Area Harvested (ha)	99,084	32,641	16,207	31,769	115,291	64,410
Fallow Land Area	67,167	81,714	-	20,129	67,167	101,843
% Land Area not Planted	32.2	39.9	0.0	36.8	29.8	39.2

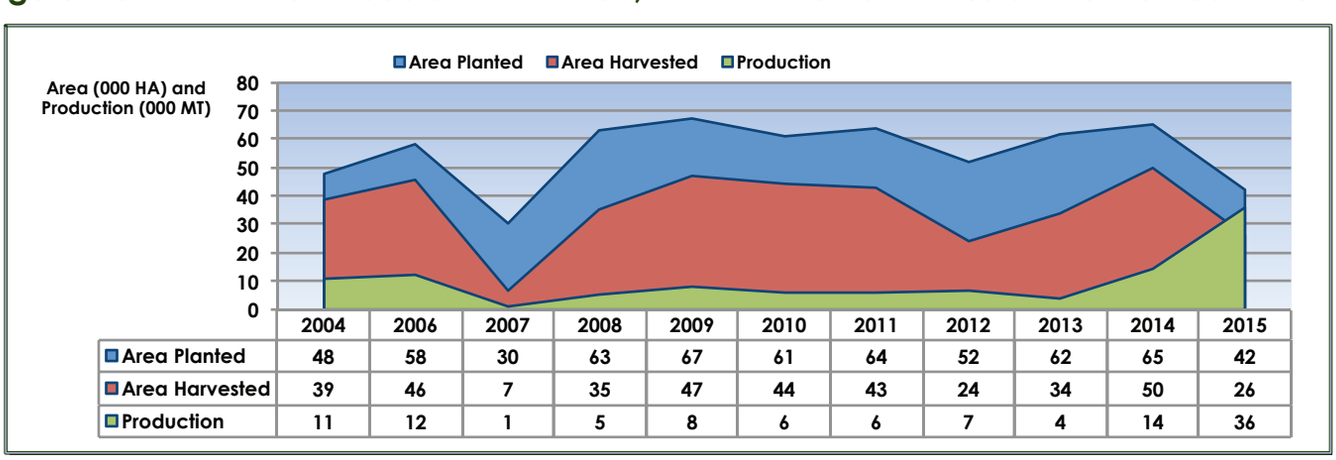
In 2015 agricultural census, there were upward trends in most crop indicators. For example, total land area increased from 225,608 ha in 2004 to 259,656 ha in 2015. Area planted slightly dropped from 158, 441 ha in 2004 to 157,813 ha in 2015. Sorghum production increased from 11,756 metric tons in 2004 to 35,508 metric tons in 2015, while beans/pulses increased from 2,177 metric tons in 2004 to 7,187 metric tons in 2015. Even though 2014/15 cropping season recorded very low rainfall, sorghum and pulses managed to do well because they are drought resistant or drought tolerant. However, there was a decrease production of maize and millet, which can be attributed to the poor rainfall recorded during the 2014/2015 cropping season as these crops are more susceptible to drought.

Figure 2.3.1A: Traditional Sector: Land Holdings, Holdings Planted and Harvested Trends: 2004 - 2015



Trends in the land holdings, holdings planted and holdings harvested are presented in **Figure 2.3.1A**, while land area, area planted and area harvested are presented in **Figure 2.3.1B**. The trends are very erratic with sharp increases and decreases between years. This can be partly explained by the fact that crop production is rain fed and hence depends on the rainfall amount. Compared to the previous season, 2015 experienced a decrease in almost all the indicators since it was a drought year.

Figure 2.3.1B: Traditional Sector: Land Area, Area Planted & Harvested Trends: 2004 – 2015



	2004	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Area Planted	48	58	30	63	67	61	64	52	62	65	42
Area Harvested	39	46	7	35	47	44	43	24	34	50	26
Production	11	12	1	5	8	6	6	7	4	14	36

2.3.2 Crops Planted and Harvested

Maize, sorghum, millet and beans/pulses are the major crops in terms of area planted **(Table 2.3.2)**. Maize has remained the predominant crop in the traditional sector, with the total area planted increasing from 63,829 ha in 2004 to 65,129 ha in 2015, while for sorghum the total area planted decreased from 60,650 to 41,687 ha during the same period.

Crop yield per hectare during the period under review increased substantially for major crops. The traditional sector experienced an increase in the sorghum yields per hectare planted from 194 kg/ha to 852 kg/ha between 2004 and 2015 cropping seasons. Also, beans/pulses yield per hectare planted increased from 138 kg/ha to 222 kg/ha during the same period. However, due to lack of rainfall, maize and millet yields per hectare planted decreased from 118 kg/ha to 58 kg/ha and from 379 kg/ha to 109 kg/ha respectively during the same period **(Table 2.3.2)**.

Table 2.3.2: Area Planted, Harvested, Production and Yields; 2004 and 2015

		TRADITIONAL SECTOR		COMMERCIAL SECTOR		TOTALS	
	INDICATORS	2004	2015	2004	2015	2004	2015
	Total Sorghum Holdings	38,761	18,226	39	49	38,800	18,275
	Total Area Planted(ha)	48,815	23,223	11,835	18,464	60,650	41,687
Sorghum	Area Harvested (ha)	38,736	7,925	11,832	17,938	50,568	25,863
	Production (Metric Tons)	10,581	1,927	1,175	33,581	11,756	35,508
	Yield Per hectare Planted	**217**	**83**	**99**	**1,819**	**194**	**852**
	Yield Per Hectare Harvested	**273**	**243**	**99**	**1,872**	**232**	**1,373**
	Total Maize Holdings	52,353	31,154	21	59	52,374	31,213
	Total Area Planted(ha)	63,214	61,803	615	3,326	63,829	65,129
Maize	Area Harvested (ha)	42,804	13,318	586	1,539	43,390	14,857
	Production (Metric Tons)	7,223	1,417	313	2,375	7,536	3,792
	Yield Per hectare Planted	**53**	**23**	**509**	**714**	**118**	**58**
	Yield Per Hectare Harvested	**169**	**106**	**534**	**1,543**	**174**	**255**
	Total Millet Holdings	12,972	6,565	-	2	12,972	6,567
	Total Area Planted(ha)	7,113	4,981	-	93	7,113	5,074
Millet	Area Harvested (ha)	6,423	2,750	-	93	6,423	2,843
	Production (Metric Tons)	2,697	513	-	42	2,697	555
	Yield Per hectare Planted	**379**	**103**	**-**	**452**	**379**	**109**
	Yield Per Hectare Harvested	**420**	**187**	**-**	**452**	**420**	**195**
	Total Beans/Pulses Holdings	44,478	36,595	14	54	44,492	36,649
	Total Area Planted(ha)	15,284	22,573	535	9,810	15,819	32,383
Pulses/Beans	Area Harvested (ha)	7,702	5,639	428	9,596	8,130	15,235
	Production (Metric Tons)	2,049	796	128	6,391	2,177	7,187
	Yield Per hectare Planted	**134**	**35**	**239**	**651**	**138**	**222**
	Yield Per Hectare Harvested	**266**	**141**	**299**	**666**	**268**	**472**

2.3.2.1 Sorghum

The total area planted for sorghum decreased by 31.3 percent from 60,650 hectares to 41,687 hectares **(Table 2.3.2)** between 2004 and 2015. Likewise, area harvested decreased from 50,568 hectares to 25,863 hectares. Total sorghum production went up to 35,508 metric tons in 2015 from 11,756 metric tons in 2004.

The commercial sector achieved high sorghum yields of 1,819 kg/ha in 2015, compared traditional sector, whose yield per ha stood at 852 kg/ha.

Figure 2.3.2.1: Traditional Sector: Area planted, Area Harvested & Production Trends – Sorghum: 2004 – 2015

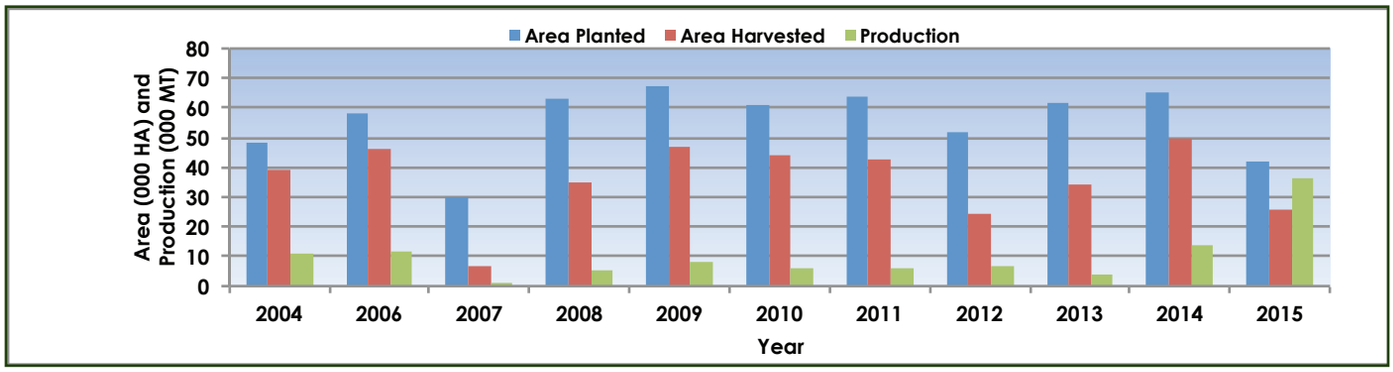


Figure 2.3.2.1 shows area planted, area harvested and production trends for sorghum in the traditional sector over a period of ten years, starting in 2004. The figure shows that there has been fluctuations in area planted, area harvested and production because sorghum production is rain fed.

2.3.2.2 Maize

The total area planted for maize increased from 63,829 hectares in 2004 to 65,129 hectares in 2015 **(Table 2.3.2)**. More farmers (31,213) planted maize as compared to sorghum (18,275), and likewise there was more area planted under maize than sorghum, with area planted for maize recorded at 63,829 hectares in 2004 and 65,129 hectares in 2015 agricultural seasons, while for sorghum the corresponding figures were 60,650 hectares in 2004 and 41,687 hectares in 2015. Even though maize is more susceptible to extreme weather conditions, it is preferred to sorghum because it is not vulnerable to Quelea birds which often cause serious problems in sorghum fields.

Area harvested also decreased from 43,390 hectares in 2004 to 14,857 hectares in 2015, coupled with a sharp decrease in production from 7,536 metric tons in 2004 to 3,792 metric tons in 2015 as shown in **Table 2.3.2**. The decrease in maize production can partly be explained by poor rains received in 2014/2015. This suggests that cereal production is heavily dependent on rainfall.

Figure 2.3.2.2: Traditional Sector: Area Planted, Area Harvested and Total Production Trends - Maize: 2004 – 2015

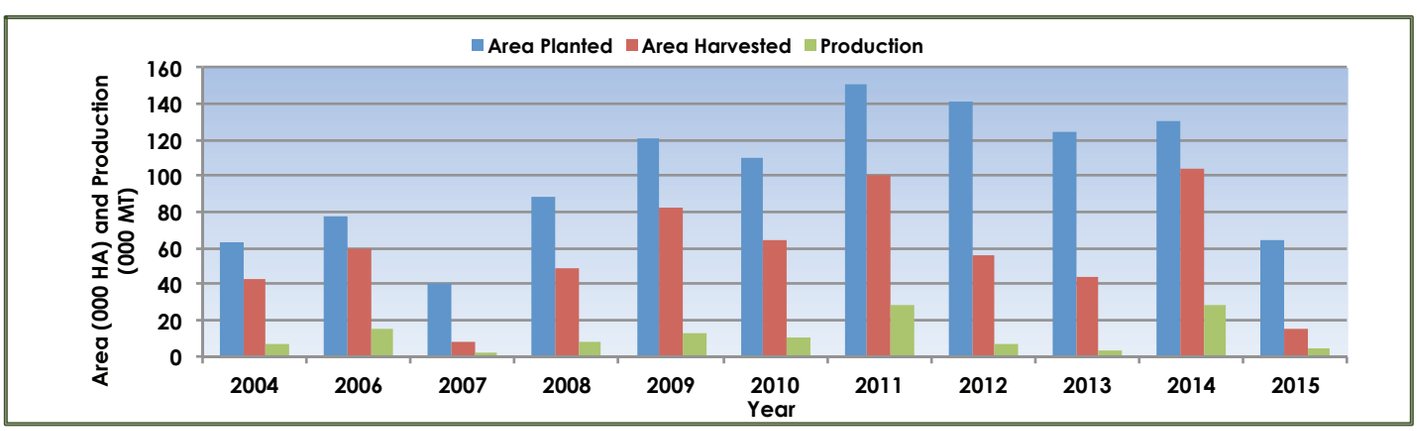


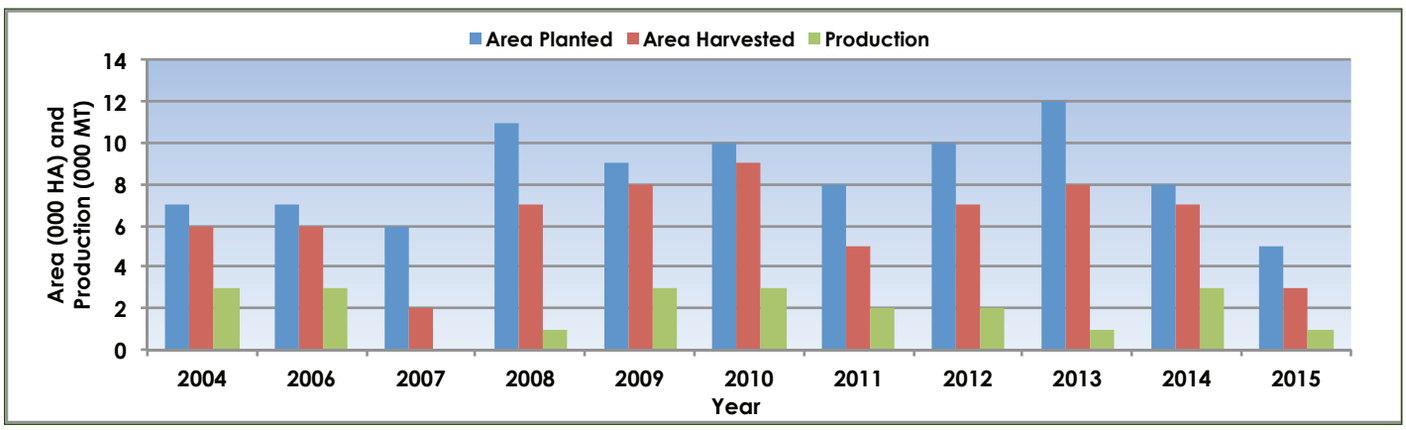
Figure 2.3.2.2 depicts area planted, area harvested and production on a year to year basis. The decrease in production between 2004 and 2015 agricultural seasons is clearly illustrated. The figure also shows fluctuations between the 2004 and 2015 agricultural census years.

2.3.2.3 Millet

The total area planted for millet decreased slightly from 7,113 hectares in 2004 to 5,074 hectares in 2015 at national level. This crop is usually planted predominantly by traditional/subsistence farmers, with only two holdings in the commercial sector having planted the crop in 2015. Area harvested also decreased from 6,423 hectares in 2004 to 2,843 hectares in 2015.

Total production of millet also decreased from 2,697 to 555 metric tons. The yield per hectare planted also decreased from 379 kg/ha in 2004 to 109 kg/ha in 2015 **(Table 2.3.2)**. Comparatively in terms of area planted, the traditional sector dominates with 4,981 hectares, compared to the commercial sector with 93 hectares in 2015.

Figure 2.3.2.3: Traditional Sector: Area Planted, Area Harvested (HA), and Total Production (Metric Tons) – Millet: 2004 to 2015



The provides an illustration of area planted, area harvested and total production for millet from 2004 to 2015 agricultural season. Similar to other crops discussed above (sorghum and maize) the figure shows fluctuating trends.

2.3.2.4 Beans/Pulses

The total area planted for beans/pulses went up from 15,819 hectares in 2004 to 32,383 hectares in 2015, while area harvested also went up from 8,130 hectares to 15,235 hectares during the same period. The increase in both area planted and harvested was attributed to the plea from government that farmers should plant legumes/beans/pulses during 2014/15 cropping season due to lack rains. The increase in the price of beans by Botswana Agricultural Marketing Board (BAMB) also contributed to the increase in both area planted and harvested.

Beans/pulses production went up by 230.1 percent from 2,177 metric tons in 2004 to 7,187 metric tons in 2015. The yields per hectare planted also increased from 138 kg/ha in 2004 to 222 kg/ha in 2015.

Figure 2.3.2.4: Traditional Sector-Pulses: Area Planted, Area Harvested (HA), and Total Production (Metric Tonnes) Trends from 2004 to 2015

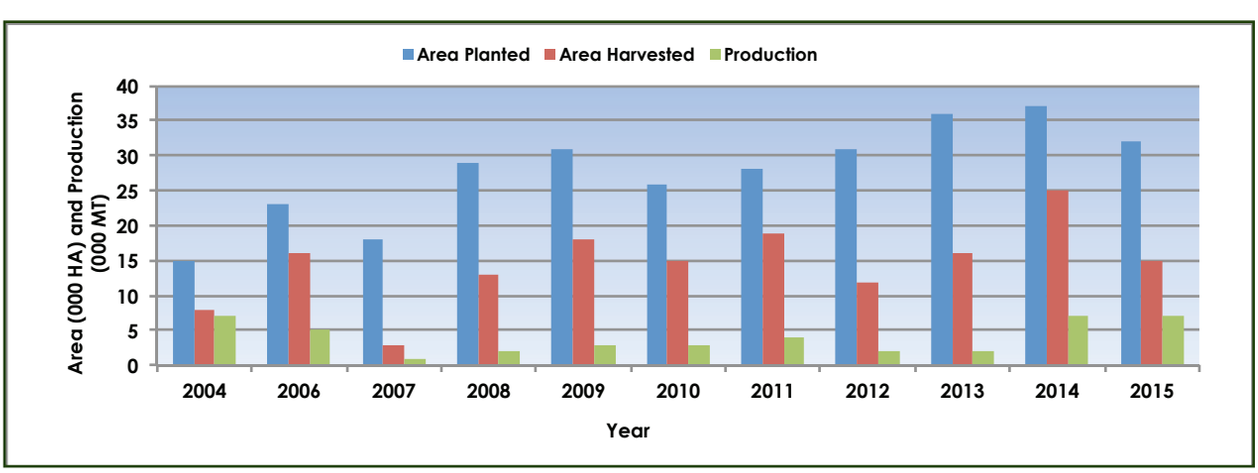
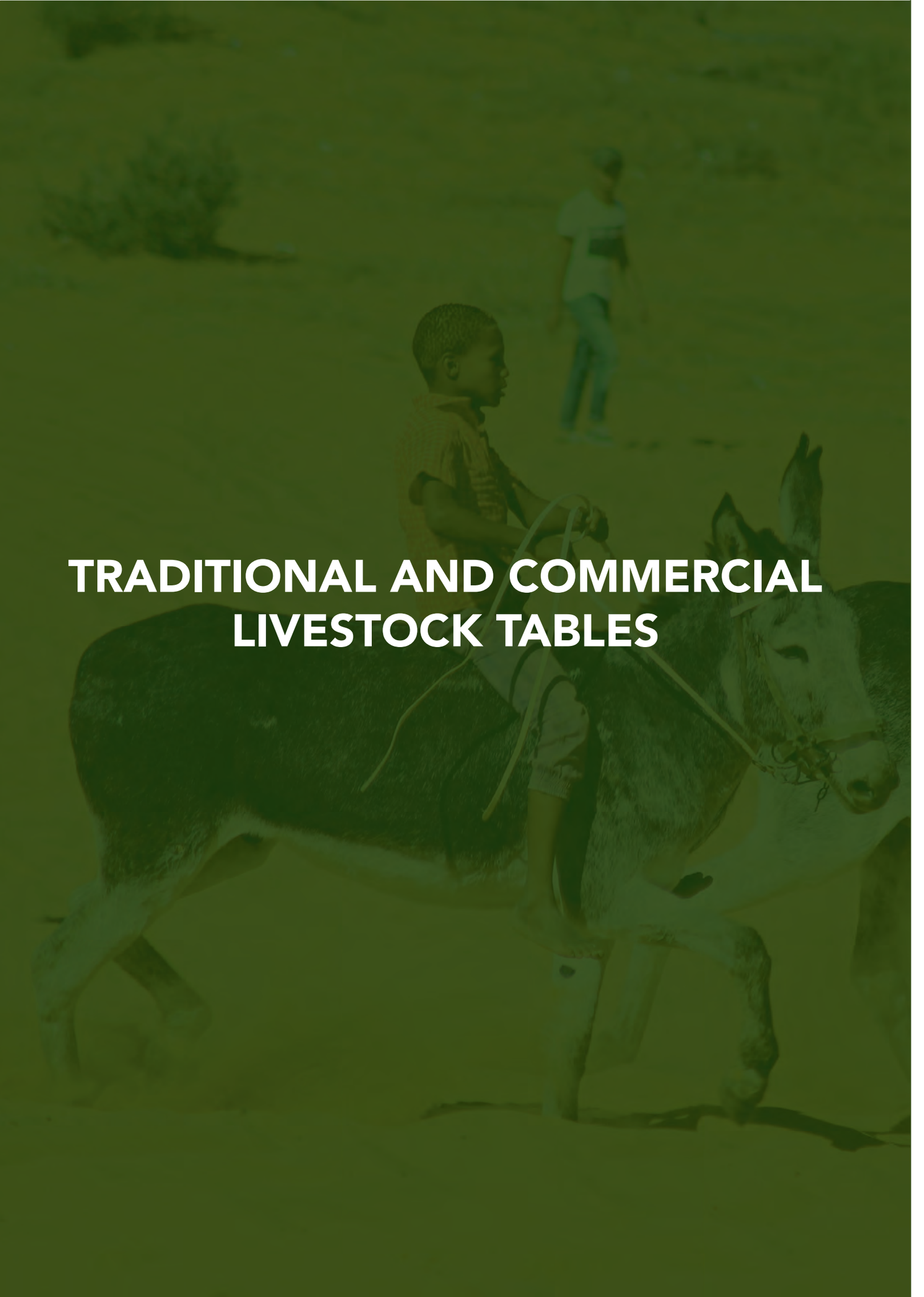


Figure 2.3.2.4 shows area planted, area harvested and production on an annual basis from 2004 to 2015 agricultural season. The figure shows that they were fluctuations in the trends.



TRADITIONAL AND COMMERCIAL LIVESTOCK TABLES

TABLE 1.1: LIVESTOCK POPULATION TRENDS ('000) - (Traditional & Commercial)

YEAR	CATTLE	GOATS	SHEEP	DONKEYS	HORSES	CHICKEN	PIGS	OSTRICHIES
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	-
2000	2,099	1,576	256	319	48	1,015	1	-
2001	2,468	1,887	306	409	5	928	5	-
2002	3,060	1,683	273	405	46	866	2	1
2003	2,028	1,355	220	493	41	650	4	3
2004	2,155	1,550	244	403	48	1,046	5	1
2006	2,071	1,630	229	371	41	1,639	8	1
2007	1,788	1,640	253	306	30	858	11	-
2008	2,220	1,879	303	366	37	1,170	10	2
2009	2,413	1,867	293	360	42	1,739	10	-
2010	2,635	1,938	279	339	41	1,761	3	2
2011	2,554	1,770	296	351	40	1,499	5	-
2012	2,247	1,650	294	290	36	1,130	24	1
2013	2,084	1,533	274	310	37	1,081	3	-
2014	1,597	1,606	227	227	27	1,017	11	-
2015	1,744	1,205	242	178	32	760	4	-

Figures for 1991 -1992, 1994 not available, 2001 are traditional sector only, 2005 are commercial sector only and 2014 traditional sector only.

TABLE 1.2: CATTLE (Traditional and Commercial): BIRTH, DEATH AND OFFTAKE RATES TRENDS (%)

	BIRTH RATES		DEATH RATES		OFF-TAKE RATES	
YEAR	TRADITIONAL	COMMERCIAL	TRADITIONAL	COMMERCIAL	TRADITIONAL	COMMERCIAL
1979	58.4	63.4	10.9	3.6	8.8	17.7
1980	58.4	60.3	13.8	3.9	6.8	13.4
1981	57.5	54.1	13.6	4.0	7.2	12.1
1982	59.4	61.0	17.0	5.9	7.1	13.7
1983	52.8	56.2	17.8	8.9	8.0	24.7
1984	52.5	61.5	19.3	10.0	7.2	23.0
1985	54.3	56.0	23.6	6.2	10.3	22.4
1986	55.7	62.1	23.2	8.8	8.7	14.5
1987	58.5	49.4	22.7	6.3	7.2	14.9
1988	65.5	67.7	15.4	5.1	6.8	13.4
1989	61.9	65.0	12.9	5.0	7.6	16.0
1990	61.6	69.8	12.7	4.2	7.6	17.9
1993	57.0	56.1	32.0	6.7	10.2	58.4
1995	61.0	59.6	14.3	8.2	7.4	3.9
1996	58.4	64.0	4.9	3.5	7.9	23.4
1997	54.6	51.1	4.3	3.6	11.8	1.7
1998	59.9	51.5	6.1	4.5	6.3	13.9
1999	54.0	55.9	7.9	3.6	9.6	14.1
2000	51.3	33.2	6.0	2.6	10.6	1.6
2001	55.5	-	4.9	-	7.7	-
2002	55.9	45.8	5.4	4.8	6.8	15.0
2003	66.6	49.1	16.4	4.7	12.2	15.4
2004	54.4	49.4	12.7	4.8	8.1	12.3
2006	56.9	46.5	9.8	4.3	7.7	10.7
2007	61.3	41.4	8.5	4.5	8.7	18.2
2008	47.3	42.3	6.0	4.2	7.5	12.9
2009	57.8	44.2	5.8	3.4	8.8	10.9
2010	54.6	40.9	6.0	3.2	7.3	12.5
2011	54.4	38.9	6.6	1.6	6.0	13.5
2012	53.7	48.6	9.9	3.3	6.9	11.9
2013	52.1	40.0	12.9	8.0	7.7	10.0
2014	48.8	-	12.4	-	8.1	-
2015	58.0	52.0	7.0	3.0	7.0	12.0

Figures for 1991 -1992, 1994 not available, 2001 are traditional sector only, 2005 are commercial sector only and 2014 traditional sector only.

TABLE 1.3: GOATS (Traditional and Commercial): BIRTH, DEATH AND OFFTAKE RATES TRENDS (%)

	BIRTH RATES		DEATH RATES		OFF-TAKE RATES	
YEAR	TRADITIONAL	COMMERCIAL	TRADITIONAL	COMMERCIAL	TRADITIONAL	COMMERCIAL
1979	42.1	36.7	45.9	17.5	9.3	15.8
1980	45.0	40.7	34.7	20.7	7.1	8.9
1981	44.0	40.1	32.1	24.7	7.0	13.2
1982	42.1	42.2	27.6	16.2	8.2	14.6
1983	44.6	38.5	22.5	23.1	6.2	12.0
1984	41.9	39.0	25.4	22.4	6.8	18.7
1985	40.6	37.3	19.7	19.2	5.7	12.0
1986	40.9	42.2	18.2	16.8	6.3	11.5
1987	40.3	37.8	20.9	18.0	7.2	14.9
1988	42.9	44.9	19.7	13.3	9.0	15.3
1989	41.4	47.2	19.5	11.6	10.9	23.1
1990	40.2	44.2	19.7	17.4	11.1	18.2
1993	49.6	42.5	38.4	22.8	9.8	12.4
1995	43.7	42.4	18.6	23.3	6.5	10.2
1996	43.3	41.6	22.7	27.9	7.7	17.4
1997	42.7	40.5	23.6	21.1	6.8	10.0
1998	46.4	34.7	30.6	21.3	9.0	12.8
1999	45.5	39.0	37.4	23.1	8.8	14.5
2000	45.3	42.1	22.4	17.2	6.9	7.1
2001	43.8	-	17.7	-	5.7	-
2002	42.6	38.4	26.8	27.7	6.5	10.7
2003	46.7	37.1	23.9	20.8	8.6	13.8
2004	48.2	37.9	21.9	20.7	7.2	9.7
2006	42.5	42.6	22.1	22.3	7.5	12.1
2007	42.3	36.6	16.3	16.4	6.6	6.8
2008	44.9	39.9	23.5	23.1	6.5	10.4
2009	43.5	37.6	19.8	13.2	6.9	9.5
2010	41.7	36.7	18.7	15.0	5.6	9.8
2011	41.5	39.5	24.1	21.1	10.9	5.8
2012	41.4	39.9	21.8	23.5	6.0	8.7
2013	42.3	40.0	22.8	25.0	7.0	10.0
2014	41.9	-	18.3	-	6.8	-
2015	44.0	39.0	17.0	16.0	7.0	10.0

Figures for 1991 -1992, 1994 not available, 2001 are traditional sector only, 2005 are commercial sector only and 2014 traditional sector only.

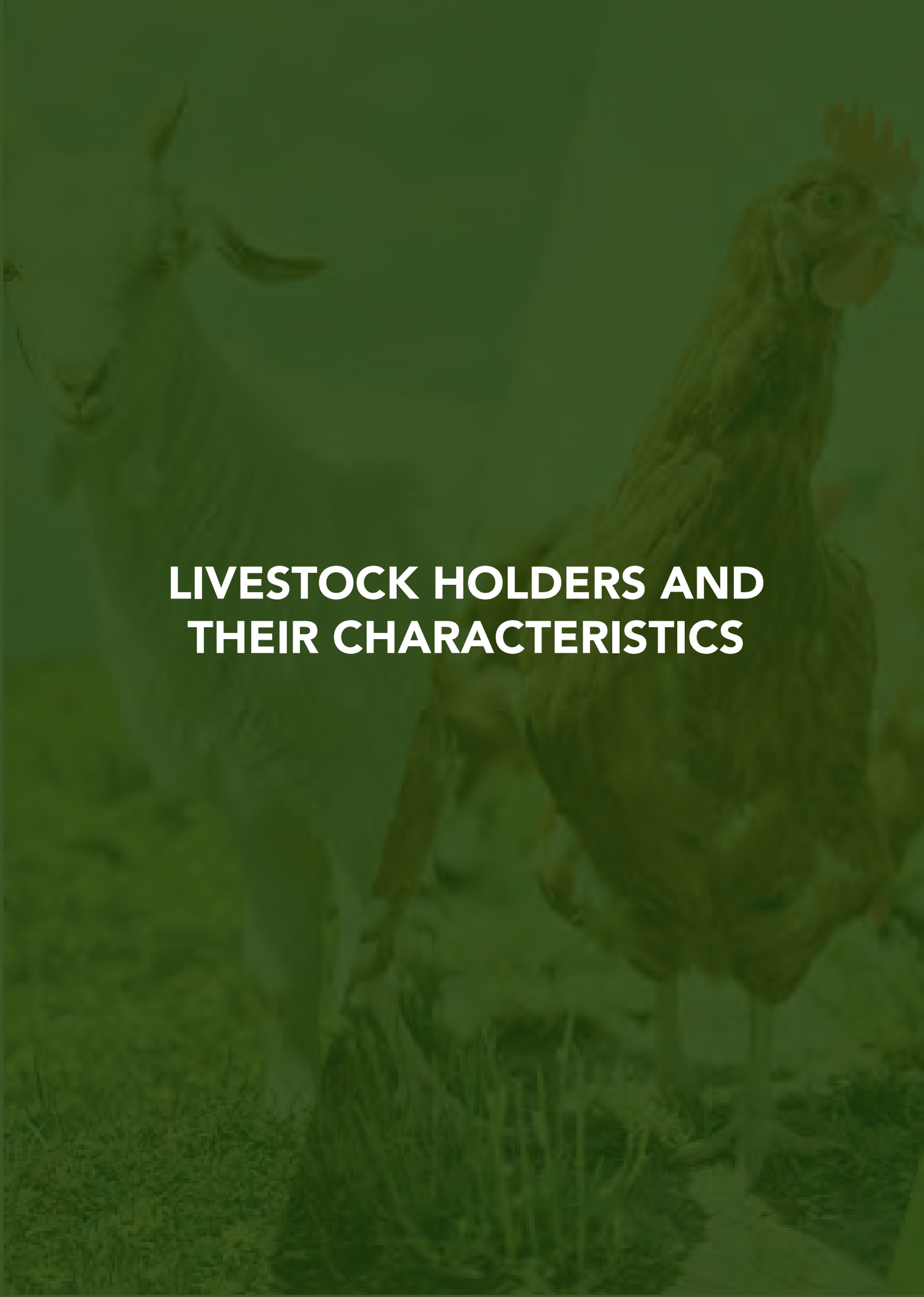
TABLE 1.4: SHEEP (Traditional and Commercial): BIRTH, DEATH AND OFFTAKE RATES TRENDS (%)

YEAR	BIRTH RATES		DEATH RATES		OFF-TAKE RATES	
	TRADITIONAL SECTOR	COMMERCIAL SECTOR	TRADITIONAL SECTOR	COMMERCIAL SECTOR	TRADITIONAL SECTOR	COMMERCIAL SECTOR
1979	33.7	33.8	38.9	15.4	7.9	13.8
1980	45.4	39.3	32.1	16.6	16.7	5.5
1981	36.0	36.4	25.6	19.3	8.8	11.8
1982	39.8	29.6	38.1	17.5	7.8	10.0
1983	36.2	34.1	22.2	19.3	9.9	18.1
1984	35.8	38.3	23.9	26.0	10.5	26.4
1985	33.1	36.6	20.6	11.0	11.1	17.2
1986	33.9	39.9	13.1	21.5	4.8	9.2
1987	33.9	37.5	14.9	27.2	6.8	7.8
1988	34.8	34.3	20.0	13.1	7.5	19.3
1989	38.8	40.3	19.8	11.8	10.1	16.8
1990	42.6	38.5	21.3	18.1	11.3	14.3
1993	40.9	38.7	36.5	17.9	8.5	8.9
1995	35.0	37.2	17.2	18.4	6.2	22.0
1996	32.2	48.0	13.8	24.9	6.7	15.0
1997	32.8	32.9	16.6	14.9	6.6	11.4
1998	37.9	35.4	19.5	17.3	5.4	12.4
1999	41.9	31.1	28.3	12.4	5.9	5.0
2000	35.5	33.8	13.1	16.7	5.9	1.7
2001	33.4	-	14.9	-	5.6	-
2002	33.5	34.5	18.2	21.2	5.0	15.1
2003	37.2	31.4	20.3	11.9	9.4	13.4
2004	39.7	30.7	19.6	15.5	6.9	13.3
2006	32.9	35.1	17.6	15.2	5.9	12.8
2007	34.2	32.0	11.6	36.2	6.6	6.8
2008	35.3	30.6	13.4	14.6	5.5	7.5
2009	35.4	31.9	15.8	12.5	7.3	5.8
2010	32.7	31.8	13.6	6.5	4.7	8.6
2011	32.8	33.4	16.3	17.9	5.7	10.0
2012	33.0	35.0	14.5	16.2	4.6	10.7
2013	36.0	35.0	15.0	14.0	4.4	9.0
2014	35.1	-	15.1	-	2.7	-
2015	37.0	34.0	12.0	12.0	6.0	9.0

Figures for 1991 -1992, 1994 not available, 2001 are traditional sector only, 2005 are commercial sector only and 2014 traditional sector only.

TABLE 2.1: SUMMARY OF TRADITIONAL AND COMMERCIAL SECTORS LIVESTOCK STATISTICS

		2004			2015		
INDICATORS		**TRADITIONAL**	**COMMERCIAL**	**TOTALS**	**TRADITIONAL**	**COMMERCIAL**	**TOTALS**
CATTLE:-	TOTAL HOLDINGS	71,826	695	72,521	37,753	1,301	39,054
	TOTAL CATTLE	1,939,927	214,893	2,154,820	1,360,467	383,699	1,744,166
	TOTAL COWS	857,667	95,211	952,878	599,420	169,907	769,327
	TOTAL BIRTHS	466,804	47,016	513,820	347,297	88,986	436,283
	TOTAL DEATHS	245,434	10,238	255,672	97,099	12,354	109,453
	TOTAL SALES	148,399	35,317	183,716	81,716	48,469	130,185
	TOTAL HOME SLAUGHTER	31,460	1,000	32,460	20,427	1,833	22,260
	TOTAL PURCHASES	25,161	9,895	35,056	12,263	5,094	17,357
	OFFTAKE	154,698	26,422	181,120	89,879	45,208	135,087
	OFFTAKE RATE	**8.0**	**12.3**	**8.4**	**6.6**	**11.8**	**7.7**
	BIRTH RATE	**54.4**	**49.4**	**53.9**	**57.9**	**52.4**	**56.7**
	DEATH RATE	**12.7**	**4.8**	**11.9**	**7.1**	**3.2**	**6.3**
GOATS:-	TOTAL HOLDINGS	78,363	402	78,765	43,853	898	44,751
	TOTAL GOATS	1,518,456	31,881	1,550,337	1,143,251	61,987	1,205,238
	TOTAL BIRTHS	731,401	12,074	743,475	498,855	24,081	522,936
	TOTAL DEATHS	332,844	6,598	339,442	191,487	9,623	201,110
	TOTAL SALES	52,144	2,882	55,026	53,185	4,143	57,328
	TOTAL HOME SLAUGHTER	73,004	1,770	74,774	44,364	3,166	47,530
	TOTAL PURCHASES	15,522	1,562	17,084	16,598	1,215	17,813
	OFFTAKE	109,626	3,090	112,716	80,951	6,094	87,045
	OFFTAKE RATE	**7.2**	**9.7**	**7.3**	**7.1**	**9.8**	**7.2**
	BIRTH RATE	**48.2**	**37.9**	**48.0**	**43.6**	**38.8**	**43.4**
	DEATH RATE	**21.9**	**20.7**	**21.9**	**16.7**	**15.5**	**16.7**
SHEEP:-	TOTAL HOLDINGS	17,532	239	17,771	12,362	502	12,864
	TOTAL SHEEP	232,168	11,734	243,902	214,234	28,198	242,432
	TOTAL BIRTHS	92,080	3,604	95,684	78,540	9,646	88,186
	TOTAL DEATHS	45,579	1,822	47,401	24,990	3,513	28,503
	TOTAL SALES	10,004	1,025	11,029	10,152	1,888	12,040
	TOTAL HOME SLAUGHTER	9,034	760	9,794	7,230	1,359	8,589
	TOTAL PURCHASES	3,051	230	3,281	4,007	712	4,719
	OFFTAKE	15,987	1,555	17,542	13,375	2,535	15,910
	OFFTAKE RATE	**6.9**	**13.3**	**7.2**	**6.2**	**9.0**	**6.6**
	BIRTH RATE	**39.7**	**30.7**	**39.2**	**36.7**	**34.2**	**36.4**
	DEATH RATE	**19.6**	**15.5**	**19.4**	**11.7**	**12.5**	**11.8**
OTHER LIVESTOCK:- TOTAL DONKEYS/ MULES HOLDINGS		54,560	298	54,858	27,679	568	28,247
	TOTAL DONKEYS/MULES	400,879	2,514	403,393	174,392	4,008	178,400
	TOTAL HORSE HOLDINGS	11,592	399	11,991	6,893	732	7,625
	TOTAL HORSES	44,099	3,893	47,992	26,608	5,729	32,337
	TOTAL PIG HOLDINGS	620	19	639	433	32	465
	TOTAL PIGS	4,805	268	5,073	3,286	1,112	4,398
	TOTAL OSTRICH HOLDINGS	-	39	39	-	24	24
	TOTAL OSTRICHES	-	1,336	1,336	-	380	380
	TOTAL CHICKEN HOLDINGS	82,243	300	82,543	37,305	731	38,036
	TOTAL CHICKENS	1,029,945	15,976	1,045,921	569,935	190,435	760,370



LIVESTOCK HOLDERS AND THEIR CHARACTERISTICS

TABLE 3.1: NUMBER OF HOLDINGS BY RELIABLE SOURCE OF LIVESTOCK WATER SUPPLY AND DISTRICT

District	Borehole	Well(Petse)	Dam	River	Lecha(Pan)	Pond	ALDEP Tank
Ngwaketse	2,731	142	963	569	28	82	10
Barolong	3,651	381	666	47	27	17	9
Ngwaketse West	454	18	-	-	7	-	-
South East	401	-	394	103	3	-	-
Kweneng East	3,849	405	754	353	-	3	-
Kweneng West	2,810	107	48	-	-	11	-
Kgatleng	2,104	13	87	203	1	26	4
Central Serowe/ Palapye	3,670	572	781	110	27	15	95
Central Mahalapye	2,824	1,117	213	539	55	17	14
Central Bobonong	571	1,222	376	899	-	6	2
Central Boteti	1,168	393	4	587	-	3	-
Central Tutume	4,018	1,191	1,113	1,121	7	74	556
North East	208	39	3,095	976	5	9	66
Ngamiland East	884	116	7	1,286	181	55	35
Ngamiland West	648	341	32	3,045	17	10	86
Chobe	136	47	2	278	2	2	-
Ghanzi	1,410	-	-	3	-	-	3
Kgalagadi South	1,191	82	-	-	2	-	-
Kgalagadi North	685	45	-	9	5	31	-
TOTAL TRADITIONAL	**33,413**	**6,230**	**8,536**	**10,128**	**368**	**360**	**879**

TABLE 3.2: NUMBER OF HOLDINGS BY RELIABLE SOURCE OF HOUSEHOLD WATER SUPPLY AND DISTRICT

District	Borehole	Well (Petse)	Dam	River	Lecha (Pan)	Pond	ALDEP Tank
Ngwaketse	3,623	64	581	344	32	65	20
Barolong	4,042	54	852	9	5	23	9
Ngwaketse West	481	3	-	-	2	-	-
South East	613	-	269	10	6	6	-
Kweneng East	4,395	349	667	306	-	2	5
Kweneng West	3,067	31	26	-	2	11	-
Kgatleng	2,338	18	137	32	-	18	4
Central Serowe/ Palapye	3,642	538	902	81	18	9	113
Central Mahalapye	3,117	993	164	470	67	83	37
Central Bobonong	543	1,198	687	739	-	3	2
Central Boteti	1,103	333	1	697	1	9	20
Central Tutume	3,482	1,207	1,861	480	13	308	835
North East	88	22	4,374	270	19	3	60
Ngamiland East	1,579	74	5	943	34	5	19
Ngamiland West	1,825	563	222	1,972	6	10	507
Chobe	139	38	2	327	3	-	-
Ghanzi	1,410	3	-	3	-	-	3
Kgalagadi South	1,226	44	4	-	-	-	-
Kgalagadi North	719	22	-	7	2	44	-
TOTAL TRADITIONAL	**37,435**	**5,554**	**10,754**	**6,689**	**209**	**599**	**1,635**

TABLE 3.3: NUMBER OF HOLDINGS BY OWNERSHIP OF LIVESTOCK WATER SUPPLY AND DISTRICT

District	Self	Family	Syndicate	Community	Goverment	Other (Specify)
Ngwaketse	313	44	931	936	888	1,418
Barolong	418	142	770	512	1,248	1,578
Ngwaketse West	40	13	115	17	241	58
South East	62	15	187	357	268	13
Kweneng East	720	101	696	750	1,168	1,891
Kweneng West	365	49	1,179	39	527	806
Kgatleng	212	77	1,535	98	248	267
Central Serowe/ Palapye	1,010	882	352	634	733	1,650
Central Mahalapye	766	649	687	161	765	1,738
Central Bobonong	594	672	169	75	364	1,108
Central Boteti	475	385	152	148	239	756
Central Tutume	1,330	886	2,208	895	1,553	1,198
North East	41	58	56	2,197	1,082	965
Ngamiland East	221	263	129	31	209	1,711
Ngamiland West	288	347	181	53	208	3,095
Chobe	66	20	9	18	157	201
Ghanzi	40	87	355	451	483	3
Kgalagadi South	139	118	601	121	288	7
Kgalagadi North	146	34	163	117	290	23
TOTAL TRADITIONAL	**7,246**	**4,842**	**10,474**	**7,612**	**10,961**	**18,486**

TABLE 3.4: NUMBER OF HOLDINGS BY OWNERSHIP OF HOUSEHOLD WATER SUPPLY AND DISTRICT

District	Self	Family	Syndicate	Community	Government	Other (Specify)
Ngwaketse	374	36	669	733	1,907	1,014
Barolong	284	43	303	214	3,751	358
Ngwaketse West	19	5	72	4	325	61
South East	58	12	181	305	341	6
Kweneng East	711	75	598	355	2,324	1,662
Kweneng West	329	38	1,033	63	1,056	610
Kgatleng	222	78	1,517	135	508	89
Central Serowe/ Palapye	961	851	312	529	1,059	1,598
Central Mahalapye	694	564	600	123	1,414	1,528
Central Bobonong	585	670	165	94	636	975
Central Boteti	369	327	93	135	302	938
Central Tutume	1,477	849	1,609	423	2,874	934
North East	14	33	26	112	4,382	273
Ngamiland East	211	157	81	32	1,080	1,098
Ngamiland West	526	351	98	331	1,788	2,008
Chobe	46	12	8	10	197	236
Ghanzi	40	84	345	333	615	3
Kgalagadi South	64	76	250	14	856	13
Kgalagadi North	83	16	88	55	545	8
TOTAL TRADITIONAL	**7,066**	**4,275**	**8,046**	**3,999**	**25,960**	**13,412**

TABLE 3.5: NUMBER OF HOLDINGS BY BOREHOLE SOURCE OF ENERGY AND DISTRICT

District	Solar	Petrol	Diesel	Electricity	Wind
Ngwaketse	36	41	3,537	18	5
Barolong	320	322	3,694	79	7
Ngwaketse West	16	10	441	16	-
South East	31	50	267	301	-
Kweneng East	171	152	3,168	1,254	3
Kweneng West	83	48	2,906	40	5
Kgatleng	83	23	1,864	433	-
Central Serowe/ Palapye	91	426	3,101	232	11
Central Mahalapye	90	438	2,506	335	4
Central Bobonong	24	180	357	39	2
Central Boteti	56	232	926	23	3
Central Tutume	121	1,510	2,483	262	14
North East	28	13	174	3	-
Ngamiland East	19	61	1,095	418	2
Ngamiland West	86	234	1,281	418	30
Chobe	1	22	132	9	1
Ghanzi	29	9	1,279	90	2
Kgalagadi South	114	23	972	153	4
Kgalagadi North	20	26	527	155	-
TOTAL TRADITIONAL	**1,418**	**3,820**	**30,711**	**4,278**	**94**

TABLE 3.6: NUMBER OF HOLDINGS BY WHETHER LIVESTOCK (CATTLE, GOATS AND SHEEP) GIVEN SUPPLEMENTARY FEEDS AND DISTRICT

District	Feeds used- Cattle		Total cattle holdings	Feeds used- Goats		Total Goats holdings	Feeds used - Sheep		Total Sheep holdings
	Yes	No		Yes	No		Yes	No	
Ngwaketse	2,110	918	**3,028**	1,867	1,787	**3,654**	923	654	**1,578**
Barolong	1,829	962	**2,791**	1,812	1,877	**3,690**	738	432	**1,169**
Ngwaketse West	159	165	**324**	131	228	**358**	71	85	**156**
South East	200	195	**395**	184	448	**632**	31	110	**141**
Kweneng East	1,940	1,392	**3,332**	1,635	2,832	**4,467**	769	907	**1,676**
Kweneng West	1,348	718	**2,065**	851	1,241	**2,092**	365	304	**669**
Kgatleng	1,341	582	**1,923**	494	1,201	**1,695**	204	277	**481**
Central Serowe/ Palapye	1,031	2,450	**3,481**	657	3,214	**3,872**	264	745	**1,009**
Central Mahalapye	1,340	1,698	**3,038**	1,149	2,607	**3,755**	416	683	**1,099**
Central Bobonong	492	1,414	**1,906**	562	2,187	**2,748**	291	640	**931**
Central Boteti	520	1,111	**1,631**	449	1,313	**1,762**	128	271	**399**
Central Tutume	1,817	2,825	**4,642**	1,631	3,402	**5,034**	489	676	**1,164**
North East	452	1,697	**2,149**	690	2,847	**3,537**	97	255	**352**
Ngamiland East	402	1,439	**1,842**	558	1,450	**2,008**	170	278	**447**
Ngamiland West	443	2,407	**2,850**	500	1,592	**2,091**	34	78	**112**
Chobe	27	194	**222**	41	181	**221**	3	5	**8**
Ghanzi	468	534	**1,002**	319	415	**733**	76	87	**163**
Kgalagadi South	390	235	**625**	499	543	**1,043**	373	289	**662**
Kgalagadi North	256	253	**509**	168	293	**461**	78	68	**146**
						-			
TOTAL TRADITIONAL	**16,562**	**21,191**	**37,753**	**14,196**	**29,657**	**43,853**	**5,519**	**6,843**	**12,362**

TABLE 3.7: NUMBER OF HOLDINGS BY TYPE OF FEEDS USED ON CATTLE AND DISTRICT

District	Lucerne	Nitrogen	Pallets	Moroko	Salt	Dicalcium	Lablab	Molasses Powder
Ngwaketse	201	10	182	1,088	1,752	789	134	469
Barolong	64	30	147	795	1,569	576	79	263
Ngwaketse West	2	5	6	51	132	98	4	50
South East	26		8	145	85	24	4	19
Kweneng East	180	22	114	1,008	1,582	602	124	457
Kweneng West	49	28	40	456	1,183	888	117	405
Kgatleng	409	38	198	1,094	1,079	329	147	167
Central Serowe/ Palapye	81	8	83	307	616	340	310	67
Central Mahalapye	142	17	95	444	918	408	313	110
Central Bobonong	89	13	53	142	304	45	78	36
Central Boteti	28	7	41	171	336	253	50	48
Central Tutume	132	23	58	347	1,251	452	466	37
North East	22	13	48	159	221	41	75	22
Ngamiland East	4	12	41	136	307	72	5	30
Ngamiland West	-	11	31	108	382	33	6	12
Chobe	-			8	25	7	2	1
Ghanzi	12	5	27	99	330	251	12	57
Kgalagadi South	29	6	15	51	291	126	3	44
kgalagadi North	-	1	24	48	198	76	2	45
TOTAL TRADITIONAL	**1,470**	**249**	**1,210**	**6,657**	**12,563**	**5,411**	**1,931**	**2,340**

TABLE 3.7: NUMBER OF HOLDINGS BY TYPE OF FEEDS USED ON CATTLE AND DISTRICT Continued

District	Molasses Liquid	Molasses Meal	Stover	Grass Fordder	Maize Grains Baley	Mineral Block	Hay	Grade Urea	Other (Specify)
Ngwaketse	160	493	485	59	92	81	118	3	100
Barolong	78	261	189	17	74	59	244	7	40
Ngwaketse West	30	20	7	1	2	26			14
South East	8	15	4	3	4	5	48		6
Kweneng East	127	392	180	44	32	115	51	4	85
Kweneng West	128	147	100	9	29	80	103	2	69
Kgatleng	129	263	72	76	43	21	41	6	100
Central Serowe/ Palapye	18	85	101	36	3	56	29		43
Central Mahalapye	56	160	89	43	12	99	97	2	205
Central Bobonong	12	41	29	16	5	26	10		13
Central Boteti	13	38	18	17	4	65	10		8
Central Tutume	40	45	57	39	17	43	329	2	16
North East	2	17	16	27		46	72	3	32
Ngamiland East	12	41	2		4	71	14	1	6
Ngamiland West	4	8	3	1		14	11		
Chobe	2	3	4			4	1		1
Ghanzi	59	74		14	1	84	1		49
Kgalagadi South	21	99	3	12	4	63	1		20
Kgalagadi North	17	54	11	13	5	18	1	3	-
TOTAL TRADITIONAL	**918**	**2,255**	**1,371**	**428**	**330**	**977**	**1,183**	**32**	**809**

TABLE 3.8: NUMBER OF HOLDINGS BY TYPE OF FEEDS USED ON GOATS AND DISTRICT

District	Ram & Ewe Pallets	Moroko	Salt	Dicalcium	Mineral Block	Molasses Powder	Molasses Liquid	Molasses Meal	Other (Specify)
Ngwaketse	465	1001	679	305	51	235	96	243	325
Barolong	458	998	554	258	39	117	39	170	173
Ngwaketse West	57	43	39	17	22	11	8	6	21
South East	19	143	18	19	4	18	18	15	11
Kweneng East	325	966	483	258	99	205	59	179	175
Kweneng West	204	297	255	269	87	105	68	52	149
Kgatleng	143	300	139	50	15	32	31	75	160
Central Serowe/ Palapye	205	247	76	34	61	39	5	28	193
Central Mahalapye	287	356	177	81	64	50	31	104	427
Central Bobonong	120	168	82	11	28	15	6	12	229
Central Boteti	236	160	35	67	54	17	7	12	39
Central Tutume	277	673	293	55	63	171	170	23	216
North East	140	421	41	12	23	23	14	12	187
Ngamiland East	156	189	112	53	110	8	9	52	21
Ngamiland West	81	226	19	51	46	9	0	6	3
Chobe	11	19	3	5	5	3	0		12
Ghanzi	146	105	20	21	117	5	4	10	23
Kgalagadi South	131	118	194	51	72	35	22	67	67
Kgalagadi North	37	19	42	9	55	15	9	11	9
TOTAL TRADITIONAL	**3,498**	**6,449**	**3,261**	**1,626**	**1,015**	**1,114**	**597**	**1,077**	**2,441**

TABLE 3.9: NUMBER OF HOLDINGS BY TYPE OF FEEDS USED ON SHEEP AND DISTRICT

District	Ram & Ewe Pallets	Moroko	Salt	Diculcium Phosphate	Mineral Block	Molasses Powder	Molasses Liquid	Molasses Meal	Other (Specify)
Ngwaketse	319	505	679	169	32	114	51	134	167
Barolong	237	387	554	140	40	56	29	46	70
Ngwaketse West	31	27	39	13	12	9	4	4	12
South East	5	19	18	10	9	1	-	-	5
Kweneng East	198	445	483	122	39	105	32	103	108
Kweneng West	93	134	255	125	46	40	39	24	77
Kgatleng	59	150	139	10	11	19	10	33	57
Central Serowe/ Palapye	99	107	76	17	25	16	4	10	89
Central Mahalapye	147	125	177	33	38	15	12	39	116
Central Bobonong	59	90	82	1	9	13		12	121
Central Boteti	62	48	35	17	20	11	6	2	11
Central Tutume	69	283	293	27	21	9	9	161	97
North East	42	68	41		6	8			19
Ngamiland East	56	46	112	20	44	5	4	15	6
Ngamiland West	3	10	19	1	12	4	-	-	-
Chobe	3		3		3		-	-	-
Ghanzi	40	20	20	12	24	2	2	2	7
Kgalagadi South	95	91	194	45	58	27	17	39	35
Kgalagadi North	27	10	42	2	19	5	7	5	3
TOTAL TRADITIONAL	**1,642**	**2,564**	**3,261**	**765**	**467**	**457**	**227**	**630**	**999**

TABLE 3.10: NUMBER OF HOLDINGS BY WHETHER CATTLE VACCINATED AND DISTRICT

	WHETHER CATTLE VACCINATED		
District	Yes	No	Total Cattle Holdings
Ngwaketse	2,714	314	**3,028**
Barolong	2,319	472	**2,791**
Ngwaketse West	259	65	**324**
South East	307	87	**395**
Kweneng East	2,621	712	**3,332**
Kweneng West	1,605	461	**2,065**
Kgatleng	1,584	339	**1,923**
Central Serowe/ Palapye	3,036	445	**3,481**
Central Mahalapye	2,806	232	**3,038**
Central Bobonong	1,671	235	**1,906**
Central Boteti	826	804	**1,631**
Central Tutume	3,837	805	**4,642**
North East	1,707	442	**2,149**
Ngamiland East	1,814	27	**1,842**
Ngamiland West	2,658	192	**2,850**
Chobe	222	-	**222**
Ghanzi	556	446	**1,002**
Kgalagadi South	501	124	**625**
Kgalagadi North	192	317	**509**
TOTAL TRADITIONAL	**31,235**	**6,518**	**37,753**

TABLE 3.11: NUMBER OF HOLDINGS BY TYPE OF CATTLE DISEASES CONTROLLED AND DISTRICT

District	Anthrax	Blackleg (Serotswana)	Botutism (Mokokomalo)	Brucellosis (Pholotso)	Foot & Mouth (Tlhako le Molomo)	Lumpy Skin (Nokomane)	Ticks and Worms (Dikgofa & Dibokwana)	Pasteurellosis (Madi)	Heart Water (metsi a pelo)	Other Disease
Ngwaketse	2,032	2,242	1,145	1,403	-	29	579	704	45	39
Barolong	1,135	1,231	842	565	-	59	263	264	92	59
Ngwaketse West	180	194	105	31	-	8	4	151	8	3
South East	212	228	23	103	-	3	32	54	10	3
Kweneng East	1,430	1,551	245	646	-	44	704	1,126	39	31
Kweneng West	875	816	477	308	-	22	104	1,046	11	10
Kgatleng	978	982	272	542	-	12	611	799	36	28
Central Serowe/ Palapye	2,476	2,534	319	1,192	-	69	189	407	60	18
Central Mahalapye	2,139	1,825	746	1,371	-	82	1,714	931	108	36
Central Bobonong	1,316	1,388	88	582	-	29	79	77	14	9
Central Boteti	398	398	92	147	-	16	71	309	8	30
Central Tutume	1,882	2,306	180	307	-	24	1,970	1,206	29	26
North East	703	1,072	64	172	-	12	487	289	74	6
Ngamiland East	607	648	30	112	1,798	20	90	46	8	19
Ngamiland West	581	641	53	166	2,406	58	187	365	12	5
Chobe	43	9	2	10	205	12	76	15	5	15
Ghanzi	104	112	202	44	-	24	161	363	32	41
Kgalagadi South	162	195	156	38	-	39	36	110	15	38
Kgalagadi North	17	6	57	21	-	27	6	114	-	11
TOTAL TRADITIONAL	**17,270**	**18,379**	**5,098**	**7,761**	**4,409**	**586**	**7,363**	**8,375**	**606**	**426**

TABLE 3.12: NUMBER OF HOLDINGS BY WHETHER GOATS WERE VACCINATED AND DISTRICT

District	Yes	No	Total Goats Holdings
Ngwaketse	2,588	1,067	**3,654**
Barolong	1,979	1,711	**3,690**
Ngwaketse West	198	160	**358**
South East	395	238	**632**
Kweneng East	2,695	1,771	**4,467**
Kweneng West	1,130	962	**2,092**
Kgatleng	1,150	545	**1,695**
Central Serowe/ Palapye	2,358	1,514	**3,872**
Central Mahalapye	2,804	952	**3,755**
Central Bobonong	1,642	1,107	**2,748**
Central Boteti	709	1,053	**1,762**
Central Tutume	3,004	2,030	**5,034**
North East	1,319	2,218	**3,537**
Ngamiland East	901	1,106	**2,008**
Ngamiland West	686	1,405	**2,091**
Chobe	160	61	**221**
Ghanzi	454	279	**733**
Kgalagadi South	793	250	**1,043**
Kgalagadi North	222	239	**461**
TOTAL TRADITIONAL	**25,184**	**18,669**	**43,853**

TABLE 3.13: NUMBER OF HOLDINGS BY WHETHER SHEEP WERE VACCINATED AND DISTRICT

District	Yes	No	Total Sheep holdings
Ngwaketse	1,172	406	**1,578**
Barolong	763	406	**1,169**
Ngwaketse West	86	70	**156**
South East	103	38	**141**
Kweneng East	1,060	615	**1,676**
Kweneng West	406	263	**669**
Kgatleng	321	159	**481**
Central Serowe/ Palapye	653	356	**1,009**
Central Mahalapye	839	260	**1,099**
Central Bobonong	545	386	**931**
Central Boteti	202	197	**399**
Central Tutume	547	617	**1,164**
North East	180	172	**352**
Ngamiland East	197	250	**447**
Ngamiland West	43	69	**112**
Chobe	7	1	**8**
Ghanzi	119	44	**163**
Kgalagadi South	516	146	**662**
Kgalagadi North	75	71	**146**
TOTAL TRADITIONAL	**7,835**	**4,527**	**12,362**

TABLE 3.14: NUMBER OF HOLDINGS BY TYPE OF GOATS DISEASES CONTROLLED AND DISTRICT

District	Internal Parasites	Pasteurelosis	Orf	Enterotox-cemia	Heart Water	Foot Rot (Tlhakwana)	Pedicollosis	Other (Specify)
Ngwaketse	1,912	1,626	115	1,363	249	95	522	114
Barolong	1,265	634	40	510	371	62	76	98
Ngwaketse West	140	96	9	48	12	3	3	19
South East	326	157	7	158	37	14	14	7
Kweneng East	1,545	1,732	67	680	142	86	674	157
Kweneng West	756	778	22	231	67	18	29	68
Kgatleng	594	672	32	317	75	15	436	49
Central Serowe/ Palapye	1,558	1,633	107	597	326	150	90	38
Central Mahalapye	1,392	1,580	43	648	223	132	1,112	513
Central Bobonong	694	1,329	30	279	190	35	27	86
Central Boteti	487	238	10	236	30	19	25	49
Central Tutume	1,004	2,024	29	226	160	295	875	38
North East	513	832	24	149	272	109	97	25
Ngamiland East	758	97	14	379	10	10	108	26
Ngamiland West	415	162	35	108	55	121	103	11
Chobe	80	21	-	37	27	9	99	2
Ghanzi	340	204	12	272	20	16	15	26
Kgalagadi South	359	209	48	163	18	8	112	240
Kgalagadi North	137	64	4	67	1	20	24	12
TOTAL TRADITIONAL	**14,275**	**14,088**	**647**	**6,468**	**2,286**	**1,217**	**4,442**	**1,576**

TABLE 3.15: NUMBER OF HOLDINGS BY TYPE OF SHEEP DISEASES CONTROLLED AND DISTRICT

District	Helminthiosis	Pasteurelosis	Enterotoxo-cemia	Heart Water	Foot Rot	Pediculosis	Sheep Scab	Other (Specify)
Ngwaketse	889	724	624	178	52	207	13	29
Barolong	541	258	200	127	22	21	4	41
Ngwaketse West	60	52	24	4	2	3		8
South East	82	29	34	25	5	7	4	3
Kweneng East	634	684	273	80	24	242	33	46
Kweneng West	291	285	105	23	6	5	6	18
Kgatleng	162	205	116	39	3	130	13	16
Central Serowe/ Palapye	445	458	243	116	24	15	11	8
Central Mahalapye	471	528	196	111	43	237	78	184
Central Bobonong	277	429	88	60	7	9	4	15
Central Boteti	146	53	83	18	7	4	2	14
Central Tutume	297	342	89	73	48	78	7	17
North East	69	134	34	29	20	22	2	1
Ngamiland East	176	16	68	5		4	1	10
Ngamiland West	27	7	11	3	3	9		
Chobe		3	1	3		5		
Ghanzi	98	49	76	5	7	4		13
Kgalagadi South	237	142	112	15	11	44	77	122
kgalagadi North	42	23	25	2	8	8	1	4
TOTAL TRADITIONAL	**4,943**	**4,421**	**2,401**	**917**	**291**	**1,055**	**255**	**547**

TRADITIONAL SECTOR: CATTLE

TABLE 4.1: CATTLE HOLDINGS AND POPULATION BY GENDER AND DISTRICT

District	Cattle Holdings					Cattle Population					
	Male Owned	Percentage	Female owned	Percentage	Total holdings	Male Owned	Percentage	Female Owned	Percentage	Total Cattle	Average Number of Cattle per Holding
Ngwaketse	2,348	8.4	680	7.0	**3,028**	59,118	5.2	11,816	5.4	**70,934**	23
Barolong	1,932	6.9	859	8.9	**2,791**	44,492	3.9	12,048	5.5	**56,540**	20
Ngwaketse West	258	0.9	66	0.7	**324**	22,014	1.9	2,273	1.0	**24,286**	75
South East	328	1.2	66	0.7	**395**	4,644	0.4	871	0.4	**5,515**	14
Kweneng East	2,589	9.2	743	7.7	**3,332**	61,728	5.4	10,999	5.0	**72,726**	22
Kweneng West	1,679	6.0	386	4.0	**2,065**	90,982	8.0	11,265	5.1	**102,247**	50
Kgatleng	1,538	5.5	385	4.0	**1,923**	57,942	5.1	11,350	5.2	**69,292**	36
Central Serowe/ Palapye	2,601	9.3	880	9.1	**3,481**	124,640	10.9	23,700	10.8	**148,341**	43
Central Mahalapye	2,395	8.5	643	6.6	**3,038**	109,198	9.6	21,192	9.7	**130,390**	43
Central Bobonong	1,467	5.2	439	4.5	**1,906**	51,532	4.5	11,236	5.1	**62,768**	33
Central Boteti	1,289	4.6	341	3.5	**1,631**	97,828	8.6	15,940	7.3	**113,768**	70
Central Tutume	3,454	12.3	1,188	12.3	**4,642**	124,849	10.9	26,167	11.9	**151,016**	33
North East	1,178	4.2	971	10.0	**2,149**	16,389	1.4	9,646	4.4	**26,035**	12
Ngamiland East	1,322	4.7	519	5.4	**1,842**	78,654	6.9	15,646	7.1	**94,300**	51
Ngamiland West	1,832	6.5	1,018	10.5	**2,850**	77,965	6.8	17,922	8.2	**95,887**	34
Chobe	173	0.6	48	0.5	**222**	6,963	0.6	1,037	0.5	**8,000**	36
Ghanzi	784	2.8	217	2.2	**1,002**	50,377	4.4	8,645	3.9	**59,022**	59
Kgalagadi South	480	1.7	145	1.5	**625**	26,079	2.3	4,217	1.9	**30,295**	48
Kgalagadi North	427	1.5	82	0.9	**509**	35,719	3.1	3,388	1.5	**39,107**	77
TOTAL TRADITIONAL	**28,076**	**100.0**	**9,677**	**100.0**	**37,753**	**1,141,111**	**100.0**	**219,356**	**100.0**	**1,360,467**	**36**

TABLE 4.2: CATTLE HERD COMPOSITION BY DISTRICT

District	Bulls	Oxen	Cows	Tollies	Heifers	Males Calves	Females Calves	Cattle Population
Ngwaketse	1,707	5,673	32,489	10,056	5,725	7,206	8,078	70,934
Barolong	1,311	4,842	24,888	8,599	5,298	5,498	6,102	56,540
Ngwaketse West	456	1,073	10,359	4,326	2,905	2,252	2,915	24,286
South East	164	476	2,319	747	599	597	613	5,515
Kweneng East	1,830	4,516	32,169	10,662	6,392	8,381	8,776	72,726
Kweneng West	1,991	4,702	46,998	17,687	8,393	10,546	11,931	102,247
Kgatleng	1,521	3,546	31,460	11,167	6,738	6,781	8,078	69,292
Central Serowe/ Palapye	3,055	9,861	69,822	22,007	12,693	14,692	16,211	148,341
Central Mahalapye	2,695	8,008	63,207	18,659	12,552	12,112	13,159	130,390
Central Bobonong	1,271	3,571	29,782	8,196	6,396	6,314	7,238	62,768
Central Boteti	1,794	9,113	48,142	18,849	13,240	10,490	12,140	113,768
Central Tutume	4,019	15,616	58,890	23,345	17,051	15,367	16,727	151,016
North East	767	2,052	11,896	4,509	1,112	2,622	3,077	26,035
Ngamiland East	1,306	8,823	37,711	16,132	10,416	9,421	10,491	94,300
Ngamiland West	3,219	10,819	36,900	15,338	10,343	8,787	10,481	95,887
Chobe	289	551	3,298	1,224	745	897	997	8,000
Ghanzi	1,055	1,363	28,125	10,440	4,344	6,040	7,655	59,022
Kgalagadi South	458	919	14,412	4,946	2,453	3,303	3,804	30,295
Kgalagadi North	542	1,550	16,552	6,313	4,850	4,544	4,754	39,107
TOTAL TRADITIONAL	**29,452**	**97,074**	**599,420**	**213,201**	**132,244**	**135,848**	**153,228**	**1,360,467**

TABLE 4.3: PERCENTAGE: CATTLE HERD COMPOSITION BY DISTRICT

District	Bulls	Oxen	Cows	Tollies	Heifers	Males Calves	Females Calves	Cattle Population
Ngwaketse	5.8	5.8	5.4	4.7	4.3	5.3	5.3	5.2
Barolong	4.5	5.0	4.2	4.0	4.0	4.0	4.0	4.2
Ngwaketse West	1.5	1.1	1.7	2.0	2.2	1.7	1.9	1.8
South East	0.6	0.5	0.4	0.4	0.5	0.4	0.4	0.4
Kweneng East	6.2	4.7	5.4	5.0	4.8	6.2	5.7	5.3
Kweneng West	6.8	4.8	7.8	8.3	6.3	7.8	7.8	7.5
Kgatleng	5.2	3.7	5.2	5.2	5.1	5.0	5.3	5.1
Central Serowe/ Palapye	10.4	10.2	11.6	10.3	9.6	10.8	10.6	10.9
Central Mahalapye	9.1	8.2	10.5	8.8	9.5	8.9	8.6	9.6
Central Bobonong	4.3	3.7	5.0	3.8	4.8	4.6	4.7	4.6
Central Boteti	6.1	9.4	8.0	8.8	10.0	7.7	7.9	8.4
Central Tutume	13.6	16.1	9.8	10.9	12.9	11.3	10.9	11.1
North East	2.6	2.1	2.0	2.1	0.8	1.9	2.0	1.9
Ngamiland East	4.4	9.1	6.3	7.6	7.9	6.9	6.8	6.9
Ngamiland West	10.9	11.1	6.2	7.2	7.8	6.5	6.8	7.0
Chobe	1.0	0.6	0.6	0.6	0.6	0.7	0.7	0.6
Ghanzi	3.6	1.4	4.7	4.9	3.3	4.4	5.0	4.3
Kgalagadi South	1.6	0.9	2.4	2.3	1.9	2.4	2.5	2.2
kgalagadi North	1.8	1.6	2.8	3.0	3.7	3.3	3.1	2.9
TOTAL TRADITIONAL	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**

TABLE 4.4: CATTLE POPULATION BY TYPE OF BREED AND DISTRICT

District	Tswana	Crosses	Exotic	Total Cattle
Ngwaketse	46,432	17,896	6,605	**70,934**
Barolong	36,183	19,322	1,035	**56,540**
Ngwaketse West	3,592	14,605	6,090	**24,286**
South East	4,712	651	151	**5,515**
Kweneng East	44,419	24,581	3,726	**72,726**
Kweneng West	30,436	55,925	15,886	**102,247**
Kgatleng	29,091	37,933	2,267	**69,292**
Central Serowe/ Palapye	85,612	57,877	4,852	**148,341**
Central Mahalapye	84,110	35,295	10,985	**130,390**
Central Bobonong	29,362	31,249	2,156	**62,768**
Central Boteti	56,912	55,985	870	**113,768**
Central Tutume	102,306	46,311	2,399	**151,016**
North East	21,937	3,761	338	**26,035**
Ngamiland East	54,890	37,304	2,106	**94,300**
Ngamiland West	80,420	13,217	2,251	**95,887**
Chobe	6,853	1,143	4	**8,000**
Ghanzi	9,706	44,681	4,635	**59,022**
Kgalagadi South	12,873	14,942	2,479	**30,295**
Kgalagadi North	23,396	8,308	7,403	**39,107**
TOTAL TRADITIONAL	**763,243**	**520,987**	**76,238**	**1,360,467**

TABLE 4.5A: CATTLE INVENTORY (BIRTHS, DEATHS, OFFTAKE, …) BY DISTRICT

District	Total cattle	Total Cows	Sales	Home Slaughter	Purchases	Offtake	Births	Deaths	Given Away	Losses	Eradication
Ngwaketse	70,934	32,489	3,457	1,181	638	4,000	17,909	5,375	582	2,250	2
Barolong	56,540	24,888	3,185	1,345	386	4,144	14,075	4,856	555	2,487	23
Ngwaketse West	24,286	10,359	1,565	136	405	1,296	5,795	1,118	219	565	4
South East	5,515	2,319	226	144	31	339	1,382	305	10	69	-
Kweneng East	72,726	32,169	4,303	1,486	879	4,909	20,135	5,686	699	1,825	26
Kweneng West	102,247	46,998	6,360	1,075	853	6,582	25,416	5,340	1,305	2,587	571
Kgatleng	69,292	31,460	4,654	983	669	4,968	17,692	4,896	163	1,344	6
Central Serowe/ Palapye	148,341	69,822	8,870	2,193	766	10,297	36,723	8,482	696	4,738	7
Central Mahalapye	130,390	63,207	7,392	1,907	1,138	8,161	29,950	7,892	599	3,894	65
Central Bobonong	62,768	29,782	3,716	1,076	698	4,094	16,332	3,842	243	2,190	3
Central Boteti	113,768	48,142	5,815	1,177	796	6,196	27,081	6,520	456	4,478	209
Central Tutume	151,016	58,890	9,340	2,921	940	11,320	38,936	9,881	327	4,137	780
North East	26,035	11,896	1,041	465	148	1,359	6,422	1,648	59	707	81
Ngamiland East	94,300	37,711	6,679	1,498	1,037	7,140	25,152	8,751	441	7,551	38
Ngamiland West	95,887	36,900	5,604	1,670	964	6,309	25,018	10,578	776	3,298	146
Chobe	8,000	3,298	295	118	138	275	2,342	806	9	70	38
Ghanzi	59,022	28,125	4,214	485	994	3,705	16,523	4,019	423	2,742	23
Kgalagadi South	30,295	14,412	2,619	189	226	2,581	8,579	3,592	31	1,060	19
Kgalagadi North	39,107	16,552	2,381	379	555	2,205	11,835	3,510	350	2,577	43
TOTAL TRADITIONAL	**1,360,467**	**599,420**	**81,716**	**20,427**	**12,263**	**89,879**	**347,297**	**97,099**	**7,943**	**48,571**	**2,083**

TABLE 4.5B: PERCENTAGE: CATTLE INVENTORY (BIRTHS, DEATHS, OFFTAKE, …) BY DISTRICT

District	Sales	Home Slaughter	Purchases	Offtake Rate	Births Rate	Deaths Rate	Given Away	Losses	Eradication
Ngwaketse	4.9	1.7	0.9	5.6	55.1	7.6	0.8	3.2	0.0
Barolong	5.6	2.4	0.7	7.3	56.6	8.6	1.0	4.4	0.0
Ngwaketse West	6.4	0.6	1.7	5.3	55.9	4.6	0.9	2.3	0.0
South East	4.1	2.6	0.6	6.1	59.6	5.5	0.2	1.3	-
Kweneng East	5.9	2.0	1.2	6.7	62.6	7.8	1.0	2.5	0.0
Kweneng West	6.2	1.1	0.8	6.4	54.1	5.2	1.3	2.5	0.6
Kgatleng	6.7	1.4	1.0	7.2	56.2	7.1	0.2	1.9	0.0
Central Serowe/ Palapye	6.0	1.5	0.5	6.9	52.6	5.7	0.5	3.2	0.0
Central Mahalapye	5.7	1.5	0.9	6.3	47.4	6.1	0.5	3.0	0.0
Central Bobonong	5.9	1.7	1.1	6.5	54.8	6.1	0.4	3.5	0.0
Central Boteti	5.1	1.0	0.7	5.4	56.3	5.7	0.4	3.9	0.2
Central Tutume	6.2	1.9	0.6	7.5	66.1	6.5	0.2	2.7	0.5
North East	4.0	1.8	0.6	5.2	54.0	6.3	0.2	2.7	0.3
Ngamiland East	7.1	1.6	1.1	7.6	66.7	9.3	0.5	8.0	0.0
Ngamiland West	5.8	1.7	1.0	6.6	67.8	11.0	0.8	3.4	0.2
Chobe	3.7	1.5	1.7	3.4	71.0	10.1	0.1	0.9	0.5
Ghanzi	7.1	0.8	1.7	6.3	58.7	6.8	0.7	4.6	0.0
Kgalagadi South	8.6	0.6	0.7	8.5	59.5	11.9	0.1	3.5	0.1
Kgalagadi North	6.1	1.0	1.4	5.6	71.5	9.0	0.9	6.6	0.1
TOTAL TRADITIONAL	**6.0**	**1.5**	**0.9**	**6.6**	**57.9**	**7.1**	**0.6**	**3.6**	**0.2**

TABLE 4.6: CATTLE SALES BY VARIOUS BUYERS AND DISTRICT

District	BMC Direct	BMC Agent	At Auction	Government Restocking	Another Farmer	Trader	Butcher	Feedlot	Other	Total sales
Ngwaketse	463	332	-	1	798	114	1,540	108	101	**3,457**
Barolong	1,033	166	-	-	559	74	1,043	175	134	**3,185**
Ngwaketse West	449	402	3	26	301	24	244	107	9	**1,565**
South East	10	-	-	-	49	4	150	-	12	**226**
Kweneng East	570	139	51	-	770	193	2,448	112	19	**4,303**
Kweneng West	1,603	1,303	53	12	963	651	1,447	269	59	**6,360**
Kgatleng	420	74	121	8	375	210	3,377	41	27	**4,654**
Central Serowe/ Palapye	3,277	605	140	6	944	270	3,394	151	84	**8,870**
Central Mahalapye	2,358	842	-	39	1,179	219	2,432	220	104	**7,392**
Central Bobonong	204	469	2	18	242	140	2,258	99	284	**3,716**
Central Boteti	1,811	711	9	135	526	226	2,125	152	121	**5,815**
Central Tutume	4,158	99	11	3	353	468	4,098	108	42	**9,340**
North East	92	16	18	34	392	41	404	2	43	**1,041**
Ngamiland East	3,279	682	9	4	302	28	2,305	61	10	**6,679**
Ngamiland West	2,746	1,669	-	15	236	188	712	12	27	**5,604**
Chobe	-	-	-	-	75	5	200	-	15	**295**
Ghanzi	2,669	196	-	10	348	171	254	555	10	**4,214**
Kgalagadi South	278	685	141	16	170	124	420	668	117	**2,619**
Kgalagadi North	280	268	-	3	664	917	235	7	8	**2,381**
TOTAL TRADITIONAL	**25,701**	**8,657**	**557**	**329**	**9,249**	**4,067**	**29,084**	**2,846**	**1,225**	**81,716**

TABLE 4.7: CATTLE REVENUE RECEIVED (PULA) BY VARIOUS BUYERS AND DISTRICT

District	BMC Direct	BMC Agent	At Auction	Government Restocking	Another Farmer	Trader	Butcher	Feedlot	Other	Total Revenue received
Ngwaketse	1,640,661	1,229,037	-	-	2,656,671	450,561	5,563,153	384,494	307,856	**12,232,433**
Barolong	4,068,213	691,094	-	-	1,936,663	282,528	3,858,696	636,626	448,722	**11,922,542**
Ngwaketse West	1,649,528	1,132,660	4,756	133,974	1,096,092	93,266	921,947	288,290	44,258	**5,364,771**
South East	65,567	-	-	-	367,275	17,610	592,324	-	56,981	**1,099,757**
Kweneng East	2,094,504	559,916	228,633	-	2,883,466	722,474	9,310,511	347,315	70,169	**16,216,988**
Kweneng West	6,221,337	4,556,811	170,574	36,459	3,867,276	2,242,073	5,336,297	870,143	218,163	**23,519,135**
Kgatleng	1,605,252	258,556	1,215,032	37,031	1,374,733	767,146	12,272,363	125,921	89,432	**17,745,466**
Central Serowe/ Palapye	12,129,089	2,187,730	507,834	20,799	3,291,131	994,620	12,078,673	571,727	271,693	**32,053,296**
Central Mahalapye	7,941,938	2,708,125	-	154,137	3,964,317	764,626	7,606,577	830,466	370,603	**24,340,789**
Central Bobonong	829,655	1,615,995	6,391	71,680	858,046	533,752	8,274,742	550,864	1,026,647	**13,767,771**
Central Boteti	6,280,899	2,193,499	36,892	440,176	1,345,648	725,133	5,970,500	449,700	377,794	**17,820,241**
Central Tutume	13,437,638	331,951	64,819	8,881	1,141,241	1,620,677	12,741,993	383,390	158,752	**29,889,342**
North East	365,370	72,787	68,424	8,477	1,437,920	218,025	1,492,476	10,209	147,841	**3,821,528**
Ngamiland East	9,893,748	1,697,896	35,130	7,242	663,601	73,668	5,475,204	110,461	25,805	**17,982,753**
Ngamiland West	12,312,735	9,893,849	-	29,495	679,327	649,316	2,947,493	27,915	138,436	**26,678,565**
Chobe	-	-	-	-	208,739	16,653	669,932	-	36,137	**931,461**
Ghanzi	7,539,539	627,177	-	12,018	1,215,791	516,066	802,634	1,582,509	25,480	**12,321,214**
Kgalagadi South	853,989	2,194,933	439,724	39,048	540,372	359,473	891,058	1,689,509	466,681	**7,474,786**
Kgalagadi North	1,002,306	898,471	-	11,086	2,483,256	2,746,126	706,552	24,721	23,282	**7,895,799**
TOTAL TRADITIONAL	**89,931,968**	**32,850,486**	**2,778,209**	**1,010,502**	**32,011,564**	**13,793,792**	**97,513,124**	**8,884,259**	**4,304,734**	**283,078,639**

TABLE 4.8: CATTLE SALES AND REVENUE RECEIVED (PULA) BY DISTRICT

District	Holdings Selling Cattle		Cattle Sales		Total Revenue Received (Pula)	Average Revenue (Pula) per Holdings	Average Price (Pula) per Head
	Number	Percentage	Number	Percentage			
Ngwaketse	690	4.9	3,457	4.2	**12,232,433**	17,735	3,538
Barolong	656	4.7	3,185	3.9	**11,922,542**	18,171	3,744
Ngwaketse West	135	1.0	1,565	1.9	**5,364,771**	39,834	3,428
South East	83	0.6	226	0.3	**1,099,757**	13,269	4,867
Kweneng East	1,150	8.2	4,303	5.3	**16,216,988**	14,096	3,769
Kweneng West	876	6.3	6,360	7.8	**23,519,135**	26,863	3,698
Kgatleng	857	6.1	4,654	5.7	**17,745,466**	20,714	3,813
Central Serowe/ Palapye	1,491	10.6	8,870	10.9	**32,053,296**	21,500	3,614
Central Mahalapye	1,264	9.0	7,392	9.0	**24,340,789**	19,253	3,293
Central Bobonong	772	5.5	3,716	4.5	**13,767,771**	17,834	3,705
Central Boteti	722	5.2	5,815	7.1	**17,820,241**	24,691	3,064
Central Tutume	2,179	15.6	9,340	11.4	**29,889,342**	13,714	3,200
North East	461	3.3	1,041	1.3	**3,821,528**	8,293	3,670
Ngamiland East	681	4.9	6,679	8.2	**17,982,753**	26,404	2,693
Ngamiland West	918	6.6	5,604	6.9	**26,678,565**	29,068	4,761
Chobe	80	0.6	295	0.4	**931,461**	11,657	3,152
Ghanzi	423	3.0	4,214	5.2	**12,321,214**	29,117	2,924
Kgalagadi South	292	2.1	2,619	3.2	**7,474,786**	25,628	2,855
Kgalagadi North	275	2.0	2,381	2.9	**7,895,799**	28,700	3,316
TOTAL TRADITIONAL	**14,004**	**100**	**81,716**	**100.0**	**283,078,639**	**20,214**	**3,464**

TABLE 4.9: CATTLE PURCHASES AND COST INCURRED (PULA) BY DISTRICT

District	Holdings Purchasing Cattle		Cattle Purchases		Total Cost Incurred (Pula)	Average Cost (Pula) per Holding	Average Cost (Pula) per Head
	Number	Percentage	Number	Percentage			
Ngwaketse	141	6.5	638	5.2	**2,363,796**	16,733	3,704
Barolong	58	2.7	386	3.2	**1,706,319**	29,436	4,417
Ngwaketse West	35	1.6	405	3.3	**1,947,445**	55,770	4,813
South East	11	0.5	31	0.3	**98,387**	8,635	3,177
Kweneng East	191	8.7	879	7.2	**3,535,480**	18,537	4,021
Kweneng West	123	5.7	853	7.0	**4,195,714**	34,005	4,917
Kgatleng	136	6.2	669	5.5	**2,122,832**	15,614	3,175
Central Serowe/ Palapye	169	7.7	766	6.2	**6,039,958**	35,771	7,884
Central Mahalapye	202	9.3	1,138	9.3	**5,309,415**	26,228	4,667
Central Bobonong	199	9.1	698	5.7	**2,119,845**	10,656	3,037
Central Boteti	106	4.9	796	6.5	**2,005,166**	18,889	2,517
Central Tutume	199	9.1	940	7.7	**4,301,094**	21,587	4,574
North East	49	2.2	148	1.2	**473,218**	9,646	3,196
Ngamiland East	177	8.1	1,037	8.5	**1,798,768**	10,149	1,735
Ngamiland West	220	10.1	964	7.9	**1,710,335**	7,771	1,774
Chobe	26	1.2	138	1.1	**331,934**	12,842	2,397
Ghanzi	65	3.0	994	8.1	**4,025,165**	62,327	4,049
Kgalagadi South	20	0.9	226	1.8	**1,285,576**	65,008	5,679
Kgalagadi North	56	2.6	555	4.5	**2,810,045**	50,402	5,060
TOTAL TRADITIONAL	**2,184**	**100.0**	**12,263**	**100.0**	**48,180,492**	**22,065**	**3,929**

TABLE 4.10: CATTLE HOLDINGS BY AWARENESS OF BMC QUOTA SYSTEM AND SATISFACTION AND DISTRICT

	Aware of quota system		Satisfaction		
District	Yes	No	Yes	No	Never Used
Ngwaketse	974	2,073	139	187	648
Barolong	912	1,947	276	388	248
Ngwaketse West	200	125	76	41	83
South East	43	351	4	24	15
Kweneng East	1,250	2,143	278	136	837
Kweneng West	821	1,263	230	285	307
Kgatleng	636	1,289	157	65	413
Central Serowe/ Palapye	1,795	1,697	421	541	833
Central Mahalapye	1,877	1,169	619	553	704
Central Bobonong	845	1,069	135	217	493
Central Boteti	807	833	314	267	226
Central Tutume	1,625	3,038	570	802	252
North East	483	1,688	47	133	303
Ngamiland East	788	1,093	183	416	190
Ngamiland West	1,159	1,699	350	671	138
Chobe	57	171	-	-	57
Ghanzi	550	478	133	417	-
Kgalagadi South	278	355	120	144	13
Kgalagadi North	136	389	60	75	2
TOTAL TRADITIONAL	**15,237**	**22,871**	**4,112**	**5,363**	**5,762**

TABLE 4.11: CATTLE HOLDINGS BY CATTLE BREEDING METHOD USED AND DISTRICT

District	Artificial Insemination	Bull Service	Both	Total Cattle Holdings
Ngwaketse	27	2,994	7	**3,028**
Barolong	58	2,632	101	**2,791**
Ngwaketse West	-	320	4	**324**
South East	8	384	3	**395**
Kweneng East	4	3,313	16	**3,332**
Kweneng West	18	2,021	26	**2,065**
Kgatleng	14	1,885	24	**1,923**
Central Serowe/ Palapye	30	3,362	90	**3,481**
Central Mahalapye	36	2,956	46	**3,038**
Central Bobonong	7	1,864	34	**1,906**
Central Boteti	27	1,572	32	**1,631**
Central Tutume	21	4,613	9	**4,642**
North East	4	2,144	2	**2,149**
Ngamiland East	4	1,835	3	**1,842**
Ngamiland West	19	2,828	4	**2,850**
Chobe	-	222	-	**222**
Ghanzi	4	997	0	**1,002**
Kgalagadi South	4	621	-	**625**
Kgalagadi North	22	447	39	**509**
TOTAL TRADITIONAL	**306**	**37,008**	**439**	**37,753**

TABLE 4.12: CALVES MORTALITY DUE TO DIFFERENT CAUSES BY DISTRICT

District	Diseases	Parasites	Accidents	Predators	Drought	Other causes	Total calves mortality
Ngwaketse	1,607	-	103	99	542	99	**2,450**
Barolong	1,175	5	34	76	398	162	**1,850**
Ngwaketse West	225	15	50	88	62	3	**443**
South East	92	-	9	26	31	-	**158**
Kweneng East	1,719	12	51	342	291	107	**2,522**
Kweneng West	2,256	7	66	493	270	65	**3,157**
Kgatleng	1,370	19	77	184	758	146	**2,554**
Central Serowe/ Palapye	3,143	157	169	1,066	533	456	**5,524**
Central Mahalapye	2,135	52	43	655	1,296	168	**4,349**
Central Bobonong	1,241	28	38	753	198	152	**2,410**
Central Boteti	1,489	5	76	1,061	343	131	**3,105**
Central Tutume	3,515	57	140	1,704	477	133	**6,026**
North East	453	-	55	100	47	17	**672**
Ngamiland East	1,347	65	64	1,216	692	25	**3,409**
Ngamiland West	1,675	57	68	1,546	852	194	**4,392**
Chobe	162	7	20	273	-	28	**490**
Ghanzi	865	21	57	349	168	165	**1,625**
Kgalagadi South	357	52	36	286	249	147	**1,127**
Kgalagadi North	812	6	25	795	153	77	**1,868**
TOTAL TRADITIONAL	**25,638**	**565**	**1,181**	**11,112**	**7,360**	**2,275**	**48,131**

TABLE 4.13: CATTLE MORTALITY DUE TO DIFFERENT CAUSES BY DISTRICT

Districts	Diseases	Parasites	Accidents	Predators	Drought	Other causes	Total cattle mortality
Ngwaketse	336	-	11	7	82	16	**452**
Barolong	315	-	-	26	49	-	**390**
Ngwaketse West	39	3	-	-	13	-	**55**
South East	30	-	-	-	16	-	**46**
Kweneng East	408	-	9	-	94	-	**511**
Kweneng West	409	-	-	8	88	-	**505**
Kgatleng	251	-	-	-	133	32	**416**
Central Serowe/ Palapye	454	62	89	144	225	102	**1,076**
Central Mahalapye	349	-	-	4	93	30	**476**
Central Bobonong	125	-	11	53	4	-	**193**
Central Boteti	209	-	-	35	35	-	**279**
Central Tutume	292	4	26	70	95	28	**515**
North East	197	-	-	15	-	-	**212**
Ngamiland East	126	12	28	108	256	-	**530**
Ngamiland West	343	27	9	168	175	16	**738**
Chobe	15	-	6	33	-	-	**54**
Ghanzi	115	-	10	24	45	-	**194**
Kgalagadi South	78	59	70	46	68	32	**353**
Kgalagadi North	70	4	-	28	-	-	**102**
TOTAL TRADITIONAL	**4,161**	**171**	**269**	**769**	**1,471**	**256**	**7,097**

TRADITIONAL SECTOR: SMALL STOCK (GOATS)

TABLE 5.1: GOATS HOLDINGS AND POPULATION BY GENDER AND DISTRICT

District	Goats Holdings					Total Goats					
	Male Owned	Percentage	Female Owned	Percentage	Total Holdings	Male Owned	Percentage	Female Owned	Percentage	Total Goats	Average Number of Goats Per Holding
Ngwaketse	2,613	8.9	1,041	7.1	**3,654**	66,839	8.0	21,336	7.0	**88,175**	24
Barolong	2,168	7.4	1,522	10.4	**3,690**	41,611	5.0	21,790	7.1	**63,400**	17
Ngwaketse West	268	0.9	90	0.6	**358**	12,091	1.4	2,225	0.7	**14,316**	40
South East	481	1.6	152	1.0	**632**	12,468	1.5	2,899	0.9	**15,366**	24
Kweneng East	3,023	10.3	1,444	9.9	**4,467**	75,641	9.0	31,488	10.3	**107,129**	24
Kweneng West	1,505	5.1	587	4.0	**2,092**	39,497	4.7	11,142	3.6	**50,639**	24
Kgatleng	1,296	4.4	399	2.7	**1,695**	41,511	5.0	12,015	3.9	**53,527**	32
Central Serowe/ Palapye	2,620	9.0	1,252	8.6	**3,872**	66,686	8.0	28,474	9.3	**95,160**	25
Central Mahalapye	2,677	9.2	1,078	7.4	**3,755**	74,208	8.9	24,003	7.8	**98,211**	26
Central Bobonong	1,819	6.2	929	6.4	**2,748**	66,317	7.9	27,074	8.8	**93,391**	34
Central Boteti	1,281	4.4	481	3.3	**1,762**	53,045	6.3	15,645	5.1	**68,690**	39
Central Tutume	3,550	12.1	1,484	10.2	**5,034**	112,984	13.5	29,745	9.7	**142,729**	28
North East	1,649	5.6	1,888	12.9	**3,537**	32,273	3.9	28,266	9.2	**60,539**	17
Ngamiland East	1,266	4.3	741	5.1	**2,008**	41,905	5.0	19,426	6.3	**61,332**	31
Ngamiland West	1,299	4.4	792	5.4	**2,091**	29,976	3.6	11,451	3.7	**41,427**	20
Chobe	136	0.5	86	0.6	**221**	2,011	0.2	1,230	0.4	**3,241**	15
Ghanzi	562	1.9	172	1.2	**733**	20,831	2.5	4,377	1.4	**25,208**	34
Kgalagadi South	685	2.3	358	2.4	**1,043**	31,001	3.7	11,184	3.6	**42,184**	40
Kgalagadi North	343	1.2	117	0.8	**461**	15,584	1.9	3,002	1.0	**18,587**	40
TOTAL TRADITIONAL	**29,241**	**100.0**	**14,612**	**100.0**	**43,853**	**836,481**	**100.0**	**306,770**	**100.0**	**1,143,251**	**26**

TABLE 5.2A: GOATS COMPOSITION BY DISTRICT

District	Male Goats (Buck) One Year and Over	Castrated Male Goats One Year and Over	Female Goats One Year and Over	Male Goats Under One Year	Female Goats Under One Year	Total Goats
Ngwaketse	2,905	10,922	46,468	13,625	14,254	**88,175**
Barolong	2,252	6,914	34,117	9,839	10,278	**63,400**
Ngwaketse West	618	1,568	7,577	2,138	2,416	**14,316**
South East	571	1,712	7,992	2,440	2,652	**15,366**
Kweneng East	2,784	12,668	58,128	16,458	17,091	**107,129**
Kweneng West	1,907	5,511	27,273	7,525	8,422	**50,639**
Kgatleng	1,498	6,495	27,125	8,494	9,916	**53,527**
Central Serowe/ Palapye	3,295	11,348	52,393	13,389	14,736	**95,160**
Central Mahalapye	3,367	13,624	51,759	14,281	15,181	**98,211**
Central Bobonong	2,611	11,164	50,814	14,093	14,708	**93,391**
Central Boteti	1,497	7,471	36,462	11,317	11,942	**68,690**
Central Tutume	4,889	20,440	75,231	20,286	21,884	**142,729**
North East	1,655	7,721	33,382	8,488	9,293	**60,539**
Ngamiland East	923	7,551	33,465	9,365	10,028	**61,332**
Ngamiland West	1,885	5,216	23,063	5,565	5,699	**41,427**
Chobe	256	314	1,585	525	561	**3,241**
Ghanzi	686	2,451	12,971	4,150	4,949	**25,208**
Kgalagadi South	1,161	3,276	24,018	6,601	7,129	**42,184**
Kgalagadi North	483	2,321	9,546	3,101	3,136	**18,587**
TOTAL TRADITIONAL	**35,242**	**138,685**	**613,370**	**171,682**	**184,272**	**1,143,251**

TABLE 5.3: GOATS POPULATION BY TYPE OF BREED AND DISTRICT

District	Tswana	Crosses	Exotic	Total Goats
Ngwaketse	70,833	10,000	7,342	**88,175**
Barolong	53,347	9,081	972	**63,400**
Ngwaketse West	4,424	4,277	5,616	**14,316**
South East	13,335	1,274	758	**15,366**
Kweneng East	84,730	19,802	2,597	**107,129**
Kweneng West	28,015	16,742	5,882	**50,639**
Kgatleng	31,014	21,807	706	**53,527**
Central Serowe/ Palapye	75,224	17,008	2,928	**95,160**
Central Mahalapye	79,708	14,189	4,314	**98,211**
Central Bobonong	69,053	21,841	2,498	**93,391**
Central Boteti	49,112	18,226	1,352	**68,690**
Central Tutume	97,387	43,571	1,771	**142,729**
North East	55,184	4,506	849	**60,539**
Ngamiland East	40,481	18,872	1,979	**61,332**
Ngamiland West	39,421	1,838	168	**41,427**
Chobe	2,601	640	0	**3,241**
Ghanzi	6,497	12,212	6,499	**25,208**
Kgalagadi South	19,992	17,636	4,556	**42,184**
Kgalagadi North	14,668	2,335	1,583	**18,587**
TOTAL TRADITIONAL	**835,024**	**255,857**	**52,370**	**1,143,251**

TABLE 5.4: GOATS INVENTORY (BIRTHS, DEATHS, OFFTAKE, ...) BY DISTRICT

District	Total Goats	Sales	Home Slaughter	Purchases	Offtake	Births	Deaths	Given Away	Losses
Ngwaketse	88,175	2,862	2,806	908	4,760	38,789	15,276	329	2,479
Barolong	63,400	2,383	2,521	717	4,187	28,857	10,827	489	3,564
Ngwaketse West	14,316	725	458	312	871	6,158	2,134	49	428
South East	15,366	550	392	167	774	6,546	1,853	55	261
Kweneng East	107,129	3,468	3,565	1,617	5,415	47,327	17,818	609	2,983
Kweneng West	50,639	1,734	1,418	626	2,526	22,931	10,213	650	1,614
Kgatleng	53,527	2,040	1,771	953	2,859	23,345	6,401	167	827
Central Serowe/ Palapye	95,160	3,959	3,790	839	6,910	40,611	16,709	445	3,758
Central Mahalapye	98,211	4,552	3,952	1,171	7,333	40,813	15,241	777	4,589
Central Bobonong	93,391	4,498	4,371	1,799	7,070	42,713	17,774	549	3,967
Central Boteti	68,690	3,864	2,366	1,369	4,862	29,950	8,798	551	2,806
Central Tutume	142,729	6,706	6,430	1,237	11,898	63,916	26,951	683	5,920
North East	60,539	2,466	2,474	563	4,376	24,508	9,052	217	2,646
Ngamiland East	61,332	3,483	2,508	1,864	4,127	25,779	9,584	399	4,787
Ngamiland West	41,427	2,921	1,600	902	3,619	16,082	7,733	292	3,585
Chobe	3,241	142	133	49	226	1,650	1,087	26	166
Ghanzi	25,208	1,263	1,250	414	2,100	11,346	3,383	222	1,102
Kgalagadi South	42,184	4,025	1,769	735	5,059	18,671	6,896	418	2,109
kgalagadi North	18,587	1,545	790	355	1,979	8,863	3,757	232	1,387
TOTAL TRADITIONAL	**1,143,251**	**53,185**	**44,364**	**16,598**	**80,951**	**498,855**	**191,487**	**7,159**	**48,978**

TABLE 5.5: PERCENTAGE: GOATS INVENTORY (BIRTHS, DEATHS, OFFTAKE, ...) BY DISTRICT

District	Sales	Home Slaughter	Purchases	Offtake Rate	Birth Rate	Death Rate	Given Away	Losses
Ngwaketse	3.2	3.2	1.0	5.4	44.0	17.3	0.4	2.8
Barolong	3.8	4.0	1.1	6.6	45.5	17.1	0.8	5.6
Ngwaketse West	5.1	3.2	2.2	6.1	43.0	14.9	0.3	3.0
South East	3.6	2.6	1.1	5.0	42.6	12.1	0.4	1.7
Kweneng East	3.2	3.3	1.5	5.1	44.2	16.6	0.6	2.8
Kweneng West	3.4	2.8	1.2	5.0	45.3	20.2	1.3	3.2
Kgatleng	3.8	3.3	1.8	5.3	43.6	12.0	0.3	1.5
Central Serowe/ Palapye	4.2	4.0	0.9	7.3	42.7	17.6	0.5	3.9
Central Mahalapye	4.6	4.0	1.2	7.5	41.6	15.5	0.8	4.7
Central Bobonong	4.8	4.7	1.9	7.6	45.7	19.0	0.6	4.2
Central Boteti	5.6	3.4	2.0	7.1	43.6	12.8	0.8	4.1
Central Tutume	4.7	4.5	0.9	8.3	44.8	18.9	0.5	4.1
North East	4.1	4.1	0.9	7.2	40.5	15.0	0.4	4.4
Ngamiland East	5.7	4.1	3.0	6.7	42.0	15.6	0.7	7.8
Ngamiland West	7.1	3.9	2.2	8.7	38.8	18.7	0.7	8.7
Chobe	4.4	4.1	1.5	7.0	50.9	33.5	0.8	5.1
Ghanzi	5.0	5.0	1.6	8.3	45.0	13.4	0.9	4.4
Kgalagadi South	9.5	4.2	1.7	12.0	44.3	16.3	1.0	5.0
Kgalagadi North	8.3	4.2	1.9	10.6	47.7	20.2	1.2	7.5
TOTAL TRADITIONAL	**0.1**	**3.9**	**1.5**	**7.1**	**43.6**	**16.7**	**0.6**	**4.3**

TABLE 5.6: GOATS SALES AND REVENUE RECEIVED (PULA) BY DISTRICT

District	Holdings Selling Goats		Total Goats Sales		Total Revenue Received (Pula)	Average Revenue (Pula) per Holding	Average Price (Pula) per Goat
	Number	Percentage	Number	Percentage			
Ngwaketse	611	6.0	2,862	5.4	2,201,613	3,603	769
Barolong	544	5.4	2,383	4.5	1,899,228	3,489	797
Ngwaketse West	93	0.9	725	1.4	526,843	5,657	727
South East	134	1.3	550	1.0	438,960	3,268	799
Kweneng East	820	8.1	3,468	6.5	2,750,054	3,354	793
Kweneng West	369	3.6	1,734	3.3	1,359,426	3,681	784
Kgatleng	409	4.0	2,040	3.8	1,751,988	4,282	859
Central Serowe/ Palapye	787	7.7	3,959	7.4	3,061,563	3,891	773
Central Mahalapye	988	9.7	4,552	8.6	3,616,162	3,662	794
Central Bobonong	782	7.7	4,498	8.5	3,497,554	4,471	778
Central Boteti	616	6.1	3,864	7.3	2,797,907	4,544	724
Central Tutume	1,539	15.1	6,706	12.6	5,134,598	3,336	766
North East	552	5.4	2,466	4.6	1,833,860	3,323	744
Ngamiland East	647	6.4	3,483	6.5	2,352,517	3,634	675
Ngamiland West	419	4.1	2,921	5.5	2,042,009	4,877	699
Chobe	47	0.5	142	0.3	115,768	2,480	813
Ghanzi	196	1.9	1,263	2.4	997,041	5,084	789
Kgalagadi South	447	4.4	4,025	7.6	2,984,423	6,673	742
Kgalagadi North	171	1.7	1,545	2.9	1,159,500	6,766	751
TOTAL TRADITIONAL	**10,172**	**100.0**	**53,185**	**100.0**	**40,521,015**	**3,983**	**762**

TABLE 5.7: GOATS PURCHASES AND COST INCURRED (PULA) BY DISTRICT

District	Holdings Purchasing Goats		Total Goats Purchases		Total Revenue Cost Incurred (Pula)	Average Cost (Pula) per Holding	Average Price (Pula) per Goat
	Number	Percentage	Number	Percentage			
Ngwaketse	232	6.4	908	5.5	672,616	2,900	741
Barolong	195	5.4	717	4.3	596,528	3,055	832
Ngwaketse West	29	0.8	312	1.9	205,149	7,006	657
South East	20	0.6	167	1.0	122,033	6,026	729
Kweneng East	334	9.2	1,617	9.7	1,256,721	3,767	777
Kweneng West	155	4.3	626	3.8	500,824	3,236	800
Kgatleng	156	4.3	953	5.7	721,371	4,620	757
Central Serowe/ Palapye	192	5.3	839	5.1	706,350	3,680	842
Central Mahalapye	363	10.0	1,171	7.1	836,175	2,305	714
Central Bobonong	269	7.4	1,799	10.8	1,317,847	4,899	733
Central Boteti	260	7.2	1,369	8.2	1,045,422	4,021	764
Central Tutume	533	14.8	1,237	7.5	948,776	1,780	767
North East	155	4.3	563	3.4	397,690	2,571	707
Ngamiland East	227	6.3	1,864	11.2	1,280,564	5,649	687
Ngamiland West	257	7.1	902	5.4	527,828	2,053	585
Chobe	18	0.5	49	0.3	29,741	1,679	601
Ghanzi	66	1.8	414	2.5	299,248	4,505	723
Kgalagadi South	89	2.5	735	4.4	512,799	5,776	697
Kgalagadi North	61	1.7	355	2.1	249,879	4,079	704
TOTAL TRADITIONAL	**3,610**	**100.0**	**16,598**	**100.0**	**12,227,562**	**3,387**	**737**

TRADITIONAL SECTOR: SMALL STOCK (SHEEP)

TABLE 5.8:SHEEP HOLDINGS AND POPULATION BY GENDER AND DISTRICT

District	Sheep Holdings				Total Holdings	Total Sheep				Total Sheep	Average Number of Sheep Per Holding
	Male Owned	Percentage	Female Owned	Percentage		Male Owned	Percentage	Female Owned	Percentage		
Ngwaketse	1,214	12.9	364	12.2	**1,578**	20,259	11.7	5,126	12.4	**25,386**	16
Barolong	830	8.9	339	11.4	**1,169**	17,067	9.9	3,905	9.4	**20,972**	18
Ngwaketse West	126	1.3	31	1.0	**156**	4,161	2.4	442	1.1	**4,603**	29
South East	113	1.2	28	1.0	**141**	1,663	1.0	397	1.0	**2,061**	15
Kweneng East	1,219	13.0	456	15.3	**1,676**	17,628	10.2	4,761	11.5	**22,389**	13
Kweneng West	554	5.9	115	3.9	**669**	9,746	5.6	1,303	3.1	**11,049**	17
Kgatleng	396	4.2	85	2.9	**481**	8,590	5.0	1,064	2.6	**9,655**	20
Central Serowe/ Palapye	701	7.5	308	10.3	**1,009**	10,567	6.1	4,550	11.0	**15,117**	15
Central Mahalapye	866	9.2	233	7.8	**1,099**	13,994	8.1	3,470	8.4	**17,464**	16
Central Bobonong	701	7.5	230	7.7	**931**	12,166	7.0	3,410	8.2	**15,576**	17
Central Boteti	313	3.3	86	2.9	**399**	5,926	3.4	1,519	3.7	**7,445**	19
Central Tutume	912	9.7	252	8.5	**1,164**	11,259	6.5	2,446	5.9	**13,706**	12
North East	253	2.7	99	3.3	**352**	3,998	2.3	1,050	2.5	**5,049**	14
Ngamiland East	348	3.7	99	3.3	**447**	8,562	5.0	1,790	4.3	**10,352**	23
Ngamiland West	77	0.8	36	1.2	**112**	1,054	0.6	367	0.9	**1,421**	13
Chobe	4	0.0	4	0.1	**8**	7	0.0	7	0.0	**14**	2
Ghanzi	139	1.5	25	0.8	**163**	4,575	2.6	608	1.5	**5,184**	32
Kgalagadi South	484	5.2	178	6.0	**662**	18,021	10.4	4,892	11.8	**22,912**	35
Kgalagadi North	131	1.4	15	0.5	**146**	3,615	2.1	266	0.6	**3,881**	27
TOTAL TRADITIONAL	**9,380**	**100.0**	**2,982**	**100.0**	**12,362**	**172,860**	**100.0**	**41,374**	**100.0**	**214,234**	**17**

TABLE 5.9: SHEEP COMPOSITION BY DISTRICT

District	Male Sheep (Ram) One Year and Over	Male Sheep (Castrated) One Year and Over	Female Sheep One Year and Over	Male Sheep Under One Year	Female Sheep Under One Year	Total Sheep
Ngwaketse	1,398	2,976	13,485	3,633	3,893	**25,386**
Barolong	954	2,568	11,317	2,915	3,217	**20,972**
Ngwaketse West	265	473	2,504	693	668	**4,603**
South East	121	280	1,030	357	273	**2,061**
Kweneng East	1,290	2,701	11,973	3,102	3,323	**22,389**
Kweneng West	762	1,247	5,907	1,437	1,697	**11,049**
Kgatleng	542	1,194	4,716	1,438	1,766	**9,655**
Central Serowe/ Palapye	906	2,095	8,290	1,801	2,024	**15,117**
Central Mahalapye	955	2,183	9,315	2,512	2,499	**17,464**
Central Bobonong	879	1,856	8,599	2,175	2,066	**15,576**
Central Boteti	402	929	4,006	1,012	1,095	**7,445**
Central Tutume	1,134	1,915	7,063	1,699	1,894	**13,706**
North East	384	485	2,962	553	665	**5,049**
Ngamiland East	271	1,554	5,751	1,333	1,443	**10,352**
Ngamiland West	83	198	778	170	191	**1,421**
Chobe	1	0	12	0	1	**14**
Ghanzi	213	587	2,873	653	857	**5,184**
Kgalagadi South	785	1,701	13,014	3,574	3,839	**22,912**
Kgalagadi North	212	504	1,971	563	632	**3,881**
TOTAL TRADITIONAL	**11,558**	**25,445**	**115,565**	**29,622**	**32,043**	**214,234**

TABLE 5.10: SHEEP POPULATION BY TYPE OF BREED AND DISTRICT

District	Tswana	Crosses	Exotic	Total Sheep
Ngwaketse	18,979	3,218	3,189	**25,386**
Barolong	15,828	4,232	912	**20,972**
Ngwaketse West	1,350	1,583	1,670	**4,603**
South East	1,743	293	25	**2,061**
Kweneng East	17,155	4,090	1,144	**22,389**
Kweneng West	4,989	4,377	1,683	**11,049**
Kgatleng	4,367	4,155	1,133	**9,655**
Central Serowe/ Palapye	12,320	2,207	589	**15,117**
Central Mahalapye	13,457	2,629	1,378	**17,464**
Central Bobonong	11,459	3,298	818	**15,576**
Central Boteti	5,557	1,628	259	**7,445**
Central Tutume	10,691	2,946	69	**13,706**
North East	4,244	737	67	**5,049**
Ngamiland East	6,205	3,733	414	**10,352**
Ngamiland West	1,375	22	24	**1,421**
Chobe	5	9	-	**14**
Ghanzi	430	2,589	2,165	**5,184**
Kgalagadi South	6,240	12,960	3,712	**22,912**
Kgalagadi North	2,290	891	700	**3,881**
TOTAL TRADITIONAL	**138,684**	**55,596**	**19,953**	**214,234**

TABLE 5.11: SHEEP INVENTORY (BIRTHS, DEATHS, OFFTAKE, …) BY DISTRICT

District	Total Sheep	Sales	Home Slaughter	Purchases	Offtake	Births	Deaths	Given Away	Losses
Ngwaketse	**25,386**	733	523	356	900	9,725	3,297	154	482
Barolong	**20,972**	755	788	325	1,218	7,894	2,464	140	717
Ngwaketse West	**4,603**	218	141	132	227	1,656	460	22	136
South East	**2,061**	72	82	9	145	786	218	9	23
Kweneng East	**22,389**	748	591	416	923	7,936	2,257	160	542
Kweneng West	**11,049**	526	335	288	572	3,906	1,105	308	180
Kgatleng	**9,655**	399	226	258	367	3,760	762	33	51
Central Serowe/ Palapye	**15,117**	684	518	190	1,012	5,168	1,972	100	617
Central Mahalapye	**17,464**	681	750	420	1,011	6,492	2,335	131	841
Central Bobonong	**15,576**	831	700	160	1,371	5,714	2,238	113	638
Central Boteti	**7,445**	358	273	164	467	2,708	791	66	308
Central Tutume	**13,706**	985	476	143	1,318	4,888	1,642	112	676
North East	**5,049**	160	115	75	200	1,497	523	64	127
Ngamiland East	**10,352**	563	326	252	637	3,534	1,706	93	426
Ngamiland West	**1,421**	46	30	87	(11)	456	98	8	313
Chobe	**14**	-	-	2	(2)	1	2	-	3
Ghanzi	**5,184**	273	174	149	298	1,774	447	56	358
Kgalagadi South	**22,912**	1,856	977	512	2,321	9,190	2,251	127	991
Kgalagadi North	**3,881**	265	204	69	400	1,454	421	80	457
TOTAL TRADITIONAL	**214,234**	**10,152**	**7,230**	**4,007**	**13,375**	**78,540**	**24,990**	**1,778**	**7,884**

() Denotes negative figure

TABLE 5.12: PERCENTAGE: SHEEP INVENTORY (BIRTHS, DEATHS, OFFTAKE, …) BY DISTRICT

District	Sales	Home Slaughter	Purchases	Offtake	Births	Deaths	Given Away	Losses
Ngwaketse	2.9	2.1	2.1	3.5	38.3	13.0	0.6	1.9
Barolong	3.6	3.8	3.8	5.8	37.6	11.8	0.7	3.4
Ngwaketse West	4.7	3.1	3.1	4.9	36.0	10.0	0.5	3.0
South East	3.5	4.0	4.0	7.1	38.1	10.6	0.4	1.1
Kweneng East	3.3	2.6	2.6	4.1	35.4	10.1	0.7	2.4
Kweneng West	4.8	3.0	3.0	5.2	35.4	10.0	2.8	1.6
Kgatleng	4.1	2.3	2.3	3.8	38.9	7.9	0.3	0.5
Central Serowe/ Palapye	4.5	3.4	3.4	6.7	34.2	13.0	0.7	4.1
Central Mahalapye	3.9	4.3	4.3	5.8	37.2	13.4	0.8	4.8
Central Bobonong	5.3	4.5	4.5	8.8	36.7	14.4	0.7	4.1
Central Boteti	4.8	3.7	3.7	6.3	36.4	10.6	0.9	4.1
Central Tutume	7.2	3.5	3.5	9.6	35.7	12.0	0.8	4.9
North East	3.2	2.3	2.3	4.0	29.6	10.4	1.3	2.5
Ngamiland East	5.4	3.1	3.1	6.1	34.1	16.5	0.9	4.1
Ngamiland West	3.2	2.1	2.1	(0.8)	32.1	6.9	0.6	22.0
Chobe	-	-	-	(14.0)	9.4	16.4	-	17.8
Ghanzi	5.3	3.4	3.4	5.7	34.2	8.6	1.1	6.9
Kgalagadi South	8.1	4.3	4.3	10.1	40.1	9.8	0.6	4.3
Kgalagadi North	6.8	5.3	5.3	10.3	37.5	10.8	2.1	11.8
TOTAL TRADITIONAL	**4.7**	**3.4**	**3.4**	**6.2**	**36.7**	**11.7**	**0.8**	**3.7**

() Denotes negative figure

TABLE 5.13: SHEEP SALES AND REVENUE RECEIVED (PULA) BY DISTRICT

District	Holdings Selling Sheep		Total Sheep Sales		Total Revenue Reveived (Pula)	Average Revenue (Pula) per Holding	Average Price (Pula) per Sheep
	Number	Percentage	Number	Percentage			
Ngwaketse	181	8.9	733	7.2	598,494	3,300	817
Barolong	169	8.4	755	7.4	673,907	3,978	893
Ngwaketse West	34	1.7	218	2.1	195,793	5,780	898
South East	20	1.0	72	0.7	56,138	2,808	777
Kweneng East	192	9.5	748	7.4	727,793	3,793	973
Kweneng West	74	3.7	526	5.2	470,123	6,339	894
Kgatleng	66	3.3	399	3.9	498,676	7,526	1,249
Central Serowe/ Palapye	152	7.5	684	6.7	597,605	3,924	874
Central Mahalapye	160	7.9	681	6.7	615,963	3,847	904
Central Bobonong	145	7.2	831	8.2	652,513	4,490	785
Central Boteti	74	3.7	358	3.5	270,181	3,639	755
Central Tutume	285	14.1	985	9.7	882,397	3,094	896
North East	40	2.0	160	1.6	137,439	3,425	860
Ngamiland East	113	5.6	563	5.5	376,957	3,345	670
Ngamiland West	11	0.6	46	0.4	32,863	2,858	721
Chobe	-	-	-	-	-	-	-
Ghanzi	39	1.9	273	2.7	183,404	4,708	673
Kgalagadi South	227	11.2	1,856	18.3	1,374,699	6,059	741
kgalagadi North	45	2.2	265	2.6	234,746	5,272	884
TOTAL TRADITIONAL	**2,029**	**100.0**	**10,152**	**100.0**	**8,579,690**	**4,229**	**845**

TABLE 5.14: SHEEP PURCHASES AND COST INCURRED (PULA) BY DISTRICT

District	Holdings Purchasing Sheep		Total Sheep Purchases		Total Revenue Cost Incurred (Pula)	Average Cost (Pula) per Holding	Average Price (Pula) per Sheep
	Number	Percentage	Number	Percentage			
Ngwaketse	72	9.1	356	8.9	352,325	4,889	990
Barolong	56	7.1	325	8.1	179,937	3,210	554
Ngwaketse West	21	2.6	132	3.3	104,440	5,057	791
South East	3	0.4	9	0.2	6,333	2,156	704
Kweneng East	111	14.0	416	10.4	361,954	3,267	870
Kweneng West	42	5.4	288	7.2	170,603	4,018	592
Kgatleng	32	4.1	258	6.4	251,168	7,755	974
Central Serowe/ Palapye	52	6.6	190	4.7	182,189	3,502	959
Central Mahalapye	100	12.6	420	10.5	340,776	3,420	811
Central Bobonong	76	9.6	160	4.0	142,370	1,881	890
Central Boteti	32	4.1	164	4.1	136,724	4,249	834
Central Tutume	41	5.2	143	3.6	102,265	2,482	715
North East	15	1.9	75	1.9	68,943	4,675	919
Ngamiland East	42	5.3	252	6.3	177,015	4,244	702
Ngamiland West	4	0.5	87	2.2	40,004	9,216	460
Chobe	1	0.2	2	0.0	2,284	1,700	1,142
Ghanzi	14	1.8	149	3.7	88,200	6,189	592
Kgalagadi South	55	7.0	512	12.8	318,558	5,755	622
Kgalagadi North	23	2.9	69	1.7	62,740	2,762	909
		-		-			
TOTAL TRADITIONAL	**793**	**100.0**	**4,007**	**100.0**	**3,088,830**	**3,897**	**771**

TABLE 5.15: KIDS MORTALITY BY CAUSES AND DISTRICT

District	Diseases	Parasites	Accidents	Predators	Drought	Others	Total mortality
Ngwaketse	7,057	186	81	1,071	1,367	253	**10,016**
Barolong	4,744	25	47	673	1,110	705	**7,304**
Ngwaketse West	606	26	62	428	341	7	**1,469**
South East	1,165	25	20	124	26	5	**1,364**
Kweneng East	8,986	62	72	1,714	1,262	393	**12,489**
Kweneng West	4,191	28	125	1,503	559	21	**6,427**
Kgatleng	2,939	41	81	654	740	205	**4,660**
Central Serowe/ Palapye	5,979	197	234	2,835	1,163	561	**10,969**
Central Mahalapye	5,954	46	56	1,476	1,789	420	**9,740**
Central Bobonong	7,182	153	129	2,523	575	1,589	**12,150**
Central Boteti	3,513	11	84	1,172	562	238	**5,580**
Central Tutume	13,512	274	358	3,400	538	663	**18,744**
North East	4,308	59	140	673	216	84	**5,480**
Ngamiland East	2,228	93	108	1,816	339	136	**4,720**
Ngamiland West	1,510	102	24	1,516	83	278	**3,513**
Chobe	254	23	8	114	36	71	**506**
Ghanzi	799	19	90	727	139	98	**1,873**
Kgalagadi South	1,133	136	135	587	1,285	741	**4,017**
Kgalagadi North	698	8	17	831	167	244	**1,966**
TOTAL TRADITIONAL	**76,759**	**1,514**	**1,870**	**23,836**	**12,295**	**6,713**	**122,988**

TABLE 5.16: GOATS MORTALITY BY CAUSES AND DISTRICT

District	Diseases	Parasites	Accidents	Predators	Drought	Others	Total mortality
Ngwaketse	3,600	12	119	652	494	383	**5,260**
Barolong	2,535	25	67	505	203	197	**3,533**
Ngwaketse West	412	12	25	168	45	4	**666**
South East	331	-	39	105	9	9	**492**
Kweneng East	3,697	46	74	1,016	430	91	**5,354**
Kweneng West	3,023	17	52	533	162	39	**3,825**
Kgatleng	1,051	15	80	350	166	80	**1,741**
Central Serowe/ Palapye	3,198	142	218	1,311	583	289	**5,741**
Central Mahalapye	3,375	45	125	788	901	267	**5,503**
Central Bobonong	3,322	80	90	1,341	261	530	**5,624**
Central Boteti	1,969	-	93	859	282	87	**3,290**
Central Tutume	5,770	121	167	1,562	205	419	**8,244**
North East	2,570	79	182	623	69	50	**3,572**
Ngamiland East	2,212	55	176	1,723	516	183	**4,864**
Ngamiland West	1,532	121	30	1,955	197	385	**4,220**
Chobe	304	7	18	226	13	13	**580**
Ghanzi	936	7	29	334	169	34	**1,510**
Kgalagadi South	1,091	105	159	316	440	795	**2,906**
Kgalagadi North	1,184	8	28	387	132	52	**1,791**
TOTAL TRADITIONAL	**42,108**	**899**	**1,771**	**14,756**	**5,278**	**3,906**	**68,718**

TABLE 5.17: LAMBS MORTALITY BY CAUSES AND DISTRICT

District	Diseases	Parasites	Accidents	Predators	Drought	Others	Total mortality
Ngwaketse	1,429	12	44	251	236	41	**2,013**
Barolong	912	9	22	224	222	93	**1,482**
Ngwaketse West	92	-	14	108	18	13	**246**
South East	117	-	2	22	-	3	**144**
Kweneng East	895	8	22	271	91	61	**1,347**
Kweneng West	447	4	20	156	29	33	**688**
Kgatleng	331	-	17	91	59	40	**537**
Central Serowe/ Palapye	643	11	29	281	40	104	**1,108**
Central Mahalapye	695	1	17	335	112	114	**1,274**
Central Bobonong	746	24	11	313	38	103	**1,235**
Central Boteti	257	-	7	211	16	10	**500**
Central Tutume	688	39	31	229	52	33	**1,072**
North East	174	-	13	45	17	-	**249**
Ngamiland East	233	6	1	274	61	58	**634**
Ngamiland West	42	-	6	32	-	-	**81**
Chobe	-	-	-	-	-	-	**-**
Ghanzi	102	4	10	65	46	3	**230**
Kgalagadi South	318	48	38	471	292	202	**1,369**
Kgalagadi North	46	-	7	109	14	32	**208**
TOTAL TRADITIONAL	**8,167**	**166**	**309**	**3,490**	**1,341**	**944**	**14,416**

TABLE 5.18: SHEEP MORTALITY BY CAUSES AND DISTRICT

District	Diseases	Parasites	Accidents	Predators	Drought	Others	Total mortality
Ngwaketse	565	766	86	241	219	184	**2,062**
Barolong	645	-	24	109	134	87	**1,000**
Ngwaketse West	124	4	5	60	19	1	**214**
South East	23	3	1	18	5	29	**79**
Kweneng East	563	-	29	290	34	34	**950**
Kweneng West	386	11	11	95	6	31	**541**
Kgatleng	131	6	2	46	33	7	**226**
Central Serowe/ Palapye	409	14	29	219	166	41	**878**
Central Mahalapye	598	32	36	237	154	89	**1,146**
Central Bobonong	576	5	25	325	31	163	**1,126**
Central Boteti	183	4	3	69	28	21	**308**
Central Tutume	409	15	30	160	33	72	**719**
North East	174	7	3	136	6	-	**326**
Ngamiland East	474	-	43	441	96	34	**1,088**
Ngamiland West	38	-	-	8	-	14	**61**
Chobe	2	-	-	-	-	-	**2**
Ghanzi	209	1	10	39	53	4	**316**
Kgalagadi South	277	78	21	223	195	231	**1,024**
Kgalagadi North	97	21	1	70	3	26	**218**
TOTAL TRADITIONAL	**5,885**	**968**	**359**	**2,788**	**1,216**	**1,066**	**12,283**

TRADITIONAL SECTOR: OTHER LIVESTOCK

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

District	Donkeys Holdings			Total Donkeys			Average Number of Donkeys per Holding
	Male Owned	Female Owned	Total Holdings	Male Owned	Female Owned	Total Donkeys	
Ngwaketse	1,453	605	**2,059**	11,442	4,614	**16,056**	8
Barolong	1,355	535	**1,890**	10,288	3,430	**13,718**	7
Ngwaketse West	161	85	**246**	916	485	**1,401**	6
South East	164	39	**203**	1,235	349	**1,584**	8
Kweneng East	1,996	774	**2,770**	11,539	3,883	**15,422**	6
Kweneng West	961	420	**1,381**	5,966	2,170	**8,136**	6
Kgatleng	382	119	**501**	2,389	943	**3,332**	7
Central Serowe/ Palapye	1,593	685	**2,278**	10,341	3,988	**14,330**	6
Central Mahalapye	1,875	714	**2,589**	14,784	5,106	**19,891**	8
Central Bobonong	1,201	585	**1,786**	7,969	4,025	**11,995**	7
Central Boteti	985	302	**1,286**	6,608	1,507	**8,115**	6
Central Tutume	1,809	529	**2,338**	12,132	3,241	**15,373**	7
North East	762	779	**1,541**	5,154	4,294	**9,448**	6
Ngamiland East	1,299	491	**1,791**	7,108	2,181	**9,288**	5
Ngamiland West	1,786	993	**2,779**	11,401	4,374	**15,774**	6
Chobe	22	1	**23**	96	2	**98**	4
Ghanzi	782	158	**939**	3,630	629	**4,259**	5
Kgalagadi South	605	204	**809**	3,353	1,020	**4,373**	5
Kgalagadi North	374	97	**470**	1,382	417	**1,799**	4
TOTAL TRADITIONAL	**19,565**	**8,114**	**27,679**	**127,735**	**46,657**	**174,392**	**6**

TABLE 6.2: DONKEYS: TOTAL SALES AND REVENUE RECEIVED (PULA) BY DISTRICT

District	Holdings Selling Donkeys	Total Donkey Sales	Total Revenue	Average Revenue Per Holding (Pula)	Average Price Per Donkey (Pula)
	Number	Number	Received (Pula)		
Ngwaketse	47	897	446,638	9,601	498
Barolong	36	271	125,938	3,508	465
Ngwaketse West	4	9	6,220	1,446	691
South East	2	13	5,674	3,573	436
Kweneng East	74	556	296,096	4,004	533
Kweneng West	46	303	198,166	4,308	654
Kgatleng	8	199	69,894	8,757	351
Central Serowe/ Palapye	43	506	343,480	7,897	679
Central Mahalapye	94	896	536,468	5,707	599
Central Bobonong	89	404	290,731	3,262	720
Central Boteti	58	474	302,991	5,224	639
Central Tutume	88	693	261,770	2,975	378
North East	41	378	216,461	5,279	573
Ngamiland East	76	388	181,010	2,382	467
Ngamiland West	174	1,688	884,364	5,083	524
Chobe	0	0	0	-	-
Ghanzi	37	258	171,585	4,589	665
Kgalagadi South	25	284	158,865	6,394	559
Kgalagadi North	11	131	80,377	7,575	614
TOTAL TRADITIONAL	**953**	**8,348**	**4,576,728**	**4,804**	**548**

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

District	Chicken Holdings		Total Holdings	Total Chickens		Total Chickens	Average Chickens Per Holding
	Male Owned	Female Owned		Male Owned	Female Owned		
Ngwaketse	2,414	896	3,311	46,133	12,725	**58,858**	18
Barolong	2,064	1,343	3,407	26,472	13,415	**39,887**	12
Ngwaketse West	231	66	297	4,141	810	**4,951**	17
South East	320	106	426	4,969	1,192	**6,161**	14
Kweneng East	2,848	1,322	4,170	44,083	17,101	**61,184**	15
Kweneng West	1,520	591	2,111	27,302	9,328	**36,630**	17
Kgatleng	1,356	357	1,713	27,928	6,623	**34,550**	20
Central Serowe/ Palapye	2,064	968	3,032	41,064	15,860	**56,925**	19
Central Mahalapye	1,989	793	2,782	34,500	10,962	**45,462**	16
Central Bobonong	1,521	771	2,293	29,228	12,350	**41,578**	18
Central Boteti	989	303	1,292	12,945	3,057	**16,002**	12
Central Tutume	2,446	1,268	3,714	48,752	21,126	**69,878**	19
North East	1,625	2,012	3,637	23,849	27,296	**51,145**	14
Ngamiland East	912	533	1,445	7,971	4,237	**12,208**	8
Ngamiland West	1,036	743	1,779	9,742	5,227	**14,969**	8
Chobe	177	142	319	3,252	2,724	**5,976**	19
Ghanzi	480	135	615	4,759	1,214	**5,973**	10
Kgalagadi South	393	222	615	3,268	1,459	**4,728**	8
Kgalagadi North	276	70	347	2,440	430	**2,870**	8
TOTAL TRADITIONAL	**24,662**	**12,643**	**37,305**	**402,799**	**167,137**	**569,935**	**15**

TABLE 6.4 CHICKENS: TOTAL SALES AND REVENUE RECEIVED (PULA) BY DISTRICT

District	Holdings Selling Chickens	Total Chicken Sales	Total Revenue Received (Pula)	Average Revenue (Pula) per Holding	Average Price (Pula) per Chicken
	Number	Number			
Ngwaketse	177	2,730	132,636	750	49
Barolong	146	967	117,066	802	121
Ngwaketse West	3	14	3,524	1,048	259
South East	40	243	36,602	911	150
Kweneng East	368	4,339	302,669	822	70
Kweneng West	151	948	57,482	382	61
Kgatleng	212	2,424	173,196	816	71
Central Serowe/ Palapye	248	2,560	170,939	690	67
Central Mahalapye	171	1,800	125,818	736	70
Central Bobonong	158	1,390	87,923	556	63
Central Boteti	48	393	27,450	571	70
Central Tutume	470	6,627	384,411	818	58
North East	278	2,112	146,104	525	69
Ngamiland East	72	482	26,229	362	54
Ngamiland West	56	240	12,352	219	51
Chobe	55	481	24,201	439	50
Ghanzi	6	48	2,754	474	57
Kgalagadi South	13	32	1,908	150	60
Kgalagadi North	6	18	1,132	186	64
TOTAL TRADITIONAL	**2,679**	**27,847**	**1,834,397**	**685**	**66**

TABLE 6.5 HORSES: TOTAL HOLDINGS AND POPULATION BY GENDER AND DISTRICT

District	Horse Holdings		Total Holdings	Total Horses		Total Horses	Average Number of Horses per Holding
	Male Owned	Female Owned		Male Owned	Female Owned		
Ngwaketse	170	67	237	471	196	667	3
Barolong	183	44	227	493	150	642	3
Ngwaketse West	210	39	249	842	129	971	4
South East	-	6	6	-	13	13	2
Kweneng East	96	14	109	268	42	310	3
Kweneng West	589	117	706	1,744	300	2,044	3
Kgatleng	62	6	69	203	15	218	3
Central Serowe/ Palapye	161	23	184	528	103	631	3
Central Mahalapye	239	30	269	682	81	763	3
Central Bobonong	77	10	88	217	32	249	3
Central Boteti	790	143	933	3,806	625	4,431	5
Central Tutume	343	82	425	1,735	285	2,020	5
North East	13	8	21	43	30	73	4
Ngamiland East	715	211	926	2,512	657	3,169	3
Ngamiland West	742	158	900	3,161	442	3,603	4
Chobe	-	-	-	-	-	-	-
Ghanzi	593	100	693	2,906	285	3,191	5
Kgalagadi South	362	68	431	1,485	259	1,745	4
Kgalagadi North	365	56	421	1,658	210	1,868	4
TOTAL TRADITIONAL	**5,711**	**1,183**	**6,893**	**22,755**	**3,853**	**26,608**	**4**

TABLE 6.6 HORSES: TOTAL SALES AND REVENUE RECEIVED (PULA) BY DISTRICT

District	Holdings Selling Horses	Total Horse Sales	Total Revenue Received (Pula)	Average Revenue (Pula) per Holding	Average Price (Pula) per Horse
	Number	Number			
Ngwaketse	3	7	36,282	12,094	5,183
Barolong	4	5	16,155	4,039	3,231
Ngwaketse West	1	1	6,356	6,356	6,356
South East	-	-	-	-	-
Kweneng East	3	4	17,137	5,712	4,284
Kweneng West	25	41	194,074	7,763	4,734
Kgatleng	-	-	-	-	-
Central Serowe/ Palapye	5	7	36,360	7,272	5,194
Central Mahalapye	15	33	99,981	6,665	3,030
Central Bobonong	-	-	-	-	-
Central Boteti	46	82	237,483	5,163	2,896
Central Tutume	15	21	67,787	4,519	3,228
North East	4	16	72,266	18,067	4,517
Ngamiland East	52	87	259,975	5,000	2,988
Ngamiland West	45	73	161,892	3,598	2,218
Chobe	-	-	-	-	-
Ghanzi	17	39	153,219	9,013	3,929
Kgalagadi South	24	47	172,355	7,181	3,667
Kgalagadi North	41	65	197,285	4,812	3,035
TOTAL TRADITIONAL	**300**	**528**	**684,751**	**2,283**	**1,297**

TABLE 6.7 PIGS: TOTAL HOLDINGS AND POPULATION BY GENDER AND DISTRICT

District	Pig Holdings			Pig Population			
	Male Owned	Female Owned	Total Holdings	Male Owned	Female Owned	Total Pigs	Average Number of Pigs Per Holding
Ngwaketse	31	8	**39**	359	42	**402**	10
Barolong	22	3	**25**	164	15	**180**	7
Ngwaketse West	2	1	**3**	15	7	**22**	7
South East	34	6	**40**	178	42	**220**	6
Kweneng East	27	13	**40**	364	96	**461**	12
Kweneng West	14	1	**15**	123	10	**134**	9
Kgatleng	24	8	**32**	246	93	**338**	11
Central Serowe/ Palapye	22	4	**26**	279	29	**308**	12
Central Mahalapye	9	15	**24**	117	91	**208**	9
Central Bobonong	25	7	**32**	116	66	**182**	6
Central Boteti	5	-	**5**	95	-	**95**	19
Central Tutume	36	9	**45**	237	70	**307**	7
North East	7	3	**10**	60	6	**66**	7
Ngamiland East	1	-	**1**	6	-	**6**	6
Ngamiland West	24	4	**28**	89	4	**93**	3
Chobe	5	-	**5**	80	-	**80**	16
Ghanzi	44	5	**49**	129	26	**155**	3
Kgalagadi South	10	4	**14**	21	10	**30**	2
Kgalagadi North	-	-	**-**	-	-	**-**	-
TOTAL TRADITIONAL	**342**	**91**	**433**	**2,677**	**609**	**3,286**	

TABLE 6.8 PIGS: TOTAL SALES AND TOTAL REVENUE RECEIVED (PULA) BY DISTRICT AND REGION

District	Holdings Selling Pigs	Total Pigs Sales	Total Revenue Received (Pula)	Average Revenue (Pula) per Holding	Average Price (Pula) per Pig
	Number	Number			
Ngwaketse	11	83	59,997	5,454	723
Barolong	-	-	-	-	-
Ngwaketse West	-	-	-	-	-
South East	7	7	5,252	750	750
Kweneng East	6	36	21,948	3,658	610
Kweneng West	-	-	-	-	-
Kgatleng	3	25	17,454	5,818	698
Central Serowe/ Palapye	7	162	98,233	14,033	606
Central Mahalapye	4	20	16,552	4,138	828
Central Bobonong	-	-	-	-	-
Central Boteti	-	-	-	-	-
Central Tutume	15	65	44,846	2,990	690
North East	-	-	-	-	-
Ngamiland East	-	-	-	-	-
Ngamiland West	3	3	1,652	551	551
Chobe	1	4	3,628	3,628	907
Ghanzi	5	14	5,769	1,154	412
Kgalagadi South	1	1	621	621	621
Kgalagadi North	-	-	-	-	-
TOTAL TRADITIONAL	**63**	**420**	**275,952**	**4,380**	**657**

COMMERCIAL SECTOR: CATTLE

TABLE 7.1A: CATTLE HOLDINGS AND POPULATION BY WHETHER DAIRY OR BEEF AND BLOCK

BLOCK	CATTLE HOLDINGS				CATTLE POPULATION		
	Dairy Only	Beef Only	Both Dairy and Beef	Total Cattle Holdings	Beef Population	Dairy Population	Total Cattle Population
Tuli Block	-	51	1	**52**	13,705	54	**13,759**
Tati Block	2	121	2	**125**	13,714	158	**13,872**
Gantsi Freehold	-	91	1	**92**	58,721	-	**58,721**
Molopo Freehold	-	21	-	**21**	27,646	-	**27,646**
Gaborone Freehold	-	-	-	**-**	-	-	**-**
Pandamatenga	-	3	-	**3**	113	-	**113**
Lobatse Freehold	6	12	2	**20**	1,535	909	**2,444**
Sand Veldt TGLP	-	204	1	**205**	63,528	31	**63,559**
Ngwaketse TGLP	-	151	1	**152**	27,135	6	**27,141**
Kgalagadi TGLP	-	79	-	**79**	21,198	-	**21,198**
Kweneng TGLP	1	74	1	**76**	21,761	8	**21,769**
Gantsi TGLP	-	146	-	**146**	32,536	-	**32,536**
Haina Veldt TGLP	-	102	-	**102**	42,395	-	**42,395**
Nata TGLP	-	31	-	**31**	5,646	-	**5,646**
Lepasha TGLP	-	32	-	**32**	3,696	-	**3,696**
Barolong Farms	-	20	-	**20**	2,730	-	**2,730**
Letlhakane TGLP	-	80	-	**80**	20,952	-	**20,952**
Kaka	-	65	-	**65**	25,522	-	**25,522**
TOTAL COMMERCIAL	**9**	**1,283**	**9**	**1,301**	**382,533**	**1,166**	**383,699**

TABLE 7.1B: CATTLE HOLDINGS AND POPULATION BY GENDER AND BLOCK

BLOCK	Cattle Holdings		Total Cattle		Cattle Population			
	Male	Female	Company	Holdings	Male	Female	Company	Total Cattle
Tuli Block	42	7	3	52	12,204	1,126	429	**13,759**
Tati Block	108	14	3	125	11,923	1,335	614	**13,872**
Gantsi Freehold	46	5	41	92	36,058	3,561	19,102	**58,721**
Molopo Freehold	-	-	21	21	-	-	27,646	**27,646**
Gaborone Freehold	-	-	-	-				**-**
Pandamatenga	1	-	2	3	40	-	73	**113**
Lobatse Freehold	13	3	4	20	1,041	851	552	**2,444**
Sand Veldt TGLP	182	17	6	205	59,644	1,745	2,170	**63,559**
Ngwaketse TGLP	117	24	11	152	19,659	3,220	4,262	**27,141**
Kgalagadi TGLP	41	4	34	79	12,795	769	7,634	**21,198**
Kweneng TGLP	63	13	-	76	19,302	2,467	-	**21,769**
Gantsi TGLP	104	19	23	146	23,523	3,462	5,551	**32,536**
Haina Veldt TGLP	70	9	23	102	29,156	3,128	10,111	**42,395**
Nata TGLP	9	1	21	31	2,629	177	2,840	**5,646**
Lepasha TGLP	23	9	-	32	2,787	909	-	**3,696**
Barolong Farms	-	-	20	20	-	-	2,730	**2,730**
Letlhakane TGLP	68	6	6	80	19,101	871	980	**20,952**
Kaka	54	4	7	65	22,289	1,018	2,215	**25,522**
Total Commercial	**941**	**135**	**225**	**1,301**	**272,151**	**24,639**	**86,909**	**383,699**

TABLE 7.2: CATTLE HERD COMPOSITION BY BLOCK (BOTH BEEF & DAIRY)

BLOCK	Bulls	Oxen	Cows	Heifers	Tollies	Bullocks	Male Calves	Female Calves	Total Cattle
Tuli Block	505	360	7,581	1,660	1,023	21	1,189	1,420	**13,759**
Tati Block	896	1,415	5,144	2,845	816	412	1,133	1,211	**13,872**
Gantsi Freehold	1,721	2,433	26,926	10,115	5,465	282	5,873	5,906	**58,721**
Molopo Freehold	570	2,002	11,534	4,089	1,607	1,414	3,192	3,238	**27,646**
Gaborone Freehold	-	-	-	-	-	-	-	-	**-**
Pandamatenga	9	-	79	9	5	-	6	5	**113**
Lobatse Freehold	60	24	1,381	415	111	39	222	192	**2,444**
Sand Veldt TGLP	1,336	3,343	29,437	10,585	4,922	1,116	5,739	7,081	**63,559**
Ngwaketse TGLP	1,005	1,546	11,872	4,666	1,812	417	2,885	2,938	**27,141**
Kgalagadi TGLP	378	681	10,596	3,651	1,508	145	2,085	2,154	**21,198**
Kweneng TGLP	292	1,676	8,632	4,274	1,924	683	1,910	2,378	**21,769**
Gantsi TGLP	501	987	12,815	7,440	2,731	1,021	3,446	3,595	**32,536**
Haina Veldt TGLP	600	4,369	17,274	7,783	4,415	663	3,406	3,885	**42,395**
Nata TGLP	121	190	3,160	784	223	174	472	522	**5,646**
Lepasha TGLP	89	342	1,434	505	316	11	445	554	**3,696**
Barolong Farms	161	84	1,251	404	237	195	198	200	**2,730**
Letlhakane TGLP	388	1,578	8,785	3,467	1,908	237	1,967	2,622	**20,952**
Kaka	510	1,364	12,006	4,079	2,855	214	2,164	2,330	**25,522**
TOTAL COMMERCIAL	**9,142**	**22,394**	**169,907**	**66,771**	**31,878**	**7,044**	**36,332**	**40,231**	**383,699**

TABLE 7.3: BEEF CATTLE HERD COMPOSITION BY BLOCK

BLOCK	Bulls	Oxen	Cows	Heifers	Tollies	Bullocks	Male Calves	Female Calves	Total Beef Cattle
Tuli Block	503	360	7,560	1,652	1,020	21	1,178	1,411	**13,705**
Tati Block	893	1,412	5,073	2,811	816	412	1,103	1,194	**13,714**
Gantsi Freehold	1,721	2,433	26,926	10,115	5,465	282	5,873	5,906	**58,721**
Molopo Freehold	570	2,002	11,534	4,089	1,607	1,414	3,192	3,238	**27,646**
Gaborone Freehold	-	-	-	-	-	-	-	-	**-**
Pandamatenga	9	-	79	9	5	-	6	5	**113**
Lobatse Freehold	48	24	905	221	106	21	96	114	**1,535**
Sand Veldt TGLP	1,336	3,343	29,427	10,578	4,918	1,116	5,734	7,076	**63,528**
Ngwaketse TGLP	1,005	1,546	11,867	4,665	1,812	417	2,885	2,938	**27,135**
Kgalagadi TGLP	378	681	10,596	3,651	1,508	145	2,085	2,154	**21,198**
Kweneng TGLP	291	1,676	8,629	4,274	1,923	683	1,910	2,375	**21,761**
Gantsi TGLP	501	987	12,815	7,440	2,731	1,021	3,446	3,595	**32,536**
Haina Veldt TGLP	600	4,369	17,274	7,783	4,415	663	3,406	3,885	**42,395**
Nata TGLP	121	190	3,160	784	223	174	472	522	**5,646**
Lepasha TGLP	89	342	1,434	505	316	11	445	554	**3,696**
Barolong Farms	161	84	1,251	404	237	195	198	200	**2,730**
Letlhakane TGLP	388	1,578	8,785	3,467	1,908	237	1,967	2,622	**20,952**
Kaka	510	1,364	12,006	4,079	2,855	214	2,164	2,330	**25,522**
Total commercial	**9,124**	**22,391**	**169,321**	**66,527**	**31,865**	**7,026**	**36,160**	**40,119**	**382,533**

TABLE 7.4: BEEF CATTLE POPULATION BY TYPE OF BREED AND BLOCK

BLOCK	Simentaler	Charolias	Brown Swiss	Tuli	Bonsmara	Brahman	Sussex	Afrikander	Santa Getrudis	Beef Master	Crosses	Musi	Tswana	Other	Total Beef Cattle
Tuli Block	376	2	1	682	2,068	2,615	4	-	-	315	5,212	-	1,172	1,258	**13,705**
Tati Block	76	294	23	69	349	4,814	-	2	1	275	6,462	55	1,169	125	**13,714**
Gantsi Freehold	8,357	5,218	395	-	5,428	4,175	576	232	264	8,150	18,801	763	1,033	5,329	**58,721**
Molopo Freehold	1,775	157	-	-	8,889	1,804	411	-	3	29	14,578	-	-	-	**27,646**
Gaborone Freehold*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**
Pandamatenga	41	-	-	-	-	1	-	-	-	-	-	-	71	-	**113**
Lobatse Freehold	59	22	-	-	-	50	-	-	-	-	1,186	58	15	145	**1,535**
Sand Veldt TGLP	6,356	3,532	178	73	1,149	15,503	238	-	712	37	33,835	1,355	419	141	**63,528**
Ngwaketse TGLP	4,556	1,008	61	-	568	2,332	321	109	79	966	15,910	-	1,089	136	**27,135**
Kgalagadi TGLP	3,549	595	52	-	749	3,623	759	95	255	199	8,705	201	1,291	1,125	**21,198**
Kweneng TGLP	6,491	1,742	611	-	180	4,855	189	-	815	495	3,947	-	2,382	54	**21,761**
Gantsi TGLP	5,357	1,081	193	1	12	2,855	248	4	663	145	18,685	342	2,260	690	**32,536**
Haina Veldt TGLP	2,875	1,223	407	29	2	4,374	168	1,086	143	3,066	23,024	-	5,863	135	**42,395**
Nata TGLP	140	154	2	-	281	3,035	90	-	-	-	595	-	836	513	**5,646**
Lepasha TGLP	376	449	-	-	90	1,022	-	-	-	-	504	188	1,067	-	**3,696**
Barolong Farms*	19	3	-	19	17	81	-	-	-	-	1,174	185	1,230	2	**2,730**
Letlhakane TGLP	2,809	1,006	1	-	139	2,974	2	-	-	412	13,051	36	521	1	**20,952**
Kaka	1,143	692	120	-	93	5,975	160	-	249	9	16,917	100	54	10	**25,522**
Total Commercial	**44,355**	**17,178**	**2,044**	**873**	**20,014**	**60,088**	**3,166**	**1,528**	**3,184**	**14,098**	**182,586**	**3,283**	**20,472**	**9,664**	**382,533**

TABLE 7.5: DAIRY CATTLE COMPOSITION BY BLOCK

BLOCK	Bulls	Oxen	Cows milking	Cows dry	Heifers	Tollies	Bullocks	Female calves	Male Calves	Total Dairy Cattle
Tuli Block	2	-	18	3	8	3	-	11	9	**54**
Tati Block	3	3	26	45	34	-	-	30	17	**158**
Gantsi Freehold	-	-	-	-	-	-	-	-	-	**-**
Molopo Freehold	-	-	-	-	-	-	-	-	-	**-**
Gaborone Freehold	-	-	-	-	-	-	-	-	-	**-**
Pandamatenga	-	-	-	-	-	-	-	-	-	**-**
Lobatse Freehold	12	-	281	195	194	5	18	126	78	**909**
Sand Veldt TGLP	-	-	10	-	7	4	-	5	5	**31**
Ngwaketse TGLP	-	-	1	4	1	-	-	-	-	**6**
Kgalagadi TGLP	-	-	-	-	-	-	-	-	-	**-**
Kweneng TGLP	1	-	3	-	-	1	-	-	3	**8**
Gantsi TGLP	-	-	-	-	-	-	-	-	-	**-**
Haina Veldt TGLP	-	-	-	-	-	-	-	-	-	**-**
Nata TGLP	-	-	-	-	-	-	-	-	-	**-**
Lepasha TGLP	-	-	-	-	-	-	-	-	-	**-**
Barolong Farms	-	-	-	-	-	-	-	-	-	**-**
Letlhakane TGLP	-	-	-	-	-	-	-	-	-	**-**
Kaka	-	-	-	-	-	-	-	-	-	**-**
Total Commercial	**18**	**3**	**339**	**247**	**244**	**13**	**18**	**172**	**112**	**1,166**

TABLE 7.6: DAIRY CATTLE POPULATION BY TYPE OF BREED AND BLOCK

BLOCK	Dairy Simentaler	Brown Swiss	Jersey	Holstein	Dairy Swiss	Dairy Crosses	Other	Total Cattle
Tuli Block	-	54	-	-	-	-	-	**54**
Tati Block	-	143	14	1	-	-	-	**158**
Gantsi Freehold	-	-	-	-	-	-	-	**-**
Molopo Freehold	-	-	-	-	-	-	-	**-**
Gaborone Freehold*	-	-	-	-	-	-	-	**-**
Pandamatenga	-	-	-	-	-	-	-	**-**
Lobatse Freehold	-	153	73	266	-	417	-	**909**
Sand Veldt TGLP	-	31	-	-	-	-	-	**31**
Ngwaketse TGLP	3	-	-	2	-	1	-	**6**
Kgalagadi TGLP								**-**
Kweneng TGLP	-	-	-	-	-	8	-	**8**
Gantsi TGLP	-	-	-	-	-	-	-	**-**
Haina Veldt TGLP	-	-	-	-	-	-	-	**-**
Nata TGLP	-	-	-	-	-	-	-	**-**
Lepasha TGLP	-	-	-	-	-	-	-	**-**
Barolong Farms*	-	-	-	-	-	-	-	**-**
Letlhakane TGLP	-	-	-	-	-	-	-	**-**
Kaka	-	-	-	-	-	-	-	**-**
Total Commercial	**3**	**381**	**87**	**269**	**-**	**426**	**-**	**1,166**

TABLE 7.7A: CATTLE INVENTORY (Births, Deaths, Sales, Offtake,.....) BY BLOCK

BLOCK	Sales	Home Slaughter	Purchases	Offtake	Births	Deaths	Given Away	Losses	Eradication
Tuli Block	1,646	40	53	1,633	3,158	550	7	401	42
Tati	2,040	143	655	1,528	2,874	483	26	855	5
Gantsi Freehold	11,017	141	281	10,877	12,672	1,023	44	992	111
Molopo Freehold	7,301	10	394	6,917	6,935	505	1	268	-
Gaborone Freehold*	-	-	-	-	-	-	-	-	-
Pandamatenga	6	5	-	11	25	5	2	6	-
Lobatse Freehold	432	14	-	446	571	593	3	125	-
Sand Veldt TGLP	7,302	338	574	7,066	15,189	2,127	412	2,810	33
Ngwaketse TGLP	4,119	179	894	3,404	6,539	697	94	782	118
Kgalagadi TGLP	2,548	134	742	1,940	5,274	784	25	1,058	14
Kweneng TGLP	2,072	130	213	1,989	5,446	739	156	895	8
Gantsi TGLP	3,785	209	108	3,886	8,759	1,757	246	2,843	60
Haina Veldt TGLP	2,019	265	633	1,651	8,699	1,471	100	3,393	149
Nata TGLP	974	40	-	1,014	1,158	164	3	194	-
Lepasha TGLP	71	17	-	88	1,251	234	-	236	10
Barolong Farms*	242	12	1	253	525	128	-	195	4
Letlhakane TGLP	1,379	94	171	1,302	5,188	606	51	1,254	4
Kaka	1,516	62	375	1,203	4,723	488	60	922	-
Total Commercial	**48,469**	**1,833**	**5,094**	**45,208**	**88,986**	**12,354**	**1,230**	**17,229**	**558**

TABLE 7.7B: PERCENTAGE: CATTLE INVENTORY (Births, Deaths, Sales, Offtake,……..) BY BLOCK

BLOCK	Sales	Home Slaughter	Purchases	Offtake	Births	Deaths	Given Away	Losses	Eradication
Tuli Block	12.0	0.3	0.4	11.9	41.7	4.0	0.1	2.9	0.3
Tati Block	14.7	1.0	4.7	11.0	55.9	3.5	0.2	6.2	0.0
Gantsi Freehold	18.8	0.2	0.5	18.5	47.1	1.7	0.1	1.7	0.2
Molopo Freehold	26.4	0.0	1.4	25.0	60.1	1.8	0.0	1.0	-
Gaborone Freehold*	-	-	-	-	-	-	-	-	-
Pandamatenga	5.3	4.4	-	9.7	31.6	4.4	1.8	5.3	-
Lobatse Freehold	17.7	0.6	-	18.2	41.3	24.3	0.1	5.1	-
Sand Veldt TGLP	11.5	0.5	0.9	11.1	51.6	3.3	0.6	4.4	0.1
Ngwaketse TGLP	15.2	0.7	3.3	12.5	55.1	2.6	0.3	2.9	0.4
Kgalagadi TGLP	12.0	0.6	3.5	9.2	49.8	3.7	0.1	5.0	0.1
Kweneng TGLP	9.5	0.6	1.0	9.1	63.1	3.4	0.7	4.1	0.0
Gantsi TGLP	11.6	0.6	0.3	11.9	68.3	5.4	0.8	8.7	0.2
Haina Veldt TGLP	4.8	0.6	1.5	3.9	50.4	3.5	0.2	8.0	0.4
Nata TGLP	17.3	0.7	-	18.0	36.6	2.9	0.1	3.4	-
Lepasha TGLP	1.9	0.5	-	2.4	87.2	6.3	-	6.4	0.3
Barolong Farms*	8.9	0.4	0.0	9.3	42.0	4.7	-	7.1	0.1
Letlhakane TGLP	6.6	0.4	0.8	6.2	59.1	2.9	0.2	6.0	0.0
Kaka	5.9	0.2	1.5	4.7	39.3	1.9	0.2	3.6	-
Total Commercial	**12.6**	**0.5**	**1.3**	**11.8**	**52.4**	**3.2**	**0.3**	**4.5**	**0.1**

TABLE 7.8: CATTLE SALES BY VARIOUS BUYERS AND BLOCK

BLOCK	BMC Direct	BMC Agent	Auction Sale	Another Farmer	Trader	Butcher	Feedlot	Other	Total
Tuli Block	150	-	91	257	490	322	271	40	**1,621**
Parnership	1,151	-	-	141	-	398	194	40	**1,924**
Gantsi Freehold	3,522	258	68	1,343	252	1,217	3,636	697	**10,993**
Molopo Freehold	4,253	-	-	2,077	250	-	620	101	**7,301**
Gaborone Freehold*	-	-	-	-	-	-	-	-	**-**
Pandamatenga	-	-	-	-	-	6	-	-	**6**
Lobatse Freehold	117	17	72	14	-	2	148	62	**432**
Sand Veldt TGLP	4,325	59	-	793	220	1,494	232	52	**7,175**
Ngwaketse TGLP	1,722	282	-	211	2	1,137	602	78	**4,034**
Kgalagadi TGLP	1,584	149	-	254	-	83	452	5	**2,527**
Kweneng TGLP	1,035	2	-	118	-	424	389	-	**1,968**
Gantsi TGLP	127	2,705	42	93	130	220	394	41	**3,752**
Haina Veldt TGLP	437	1,322	-	67	-	152	-	10	**1,988**
Nata TGLP	885	-	-	30	-	8	-	-	**923**
Lepasha TGLP	14	-	-	20	2	25	-	10	**71**
Barolong Farms*	42	-	142	-	5	8	-	20	**217**
Letlhakane TGLP	598	-	-	194	53	395	25	114	**1,379**
Kaka	926	53	20	123	138	196	33	23	**1,512**
TOTAL COMMERCIAL	**20,888**	**4,847**	**435**	**5,735**	**1,542**	**6,087**	**6,996**	**1,293**	**47,823**

TABLE 7.9: CATTLE REVENUE RECEIVED (PULA) BY VARIOUS BUYERS AND BLOCK

BLOCK	BMC Direct	BMC Agent	At Auction	Another Farmer	Trader	Butcher	Feedlot	Other	Total Revenue
Tuli Block	525,000	-	590,600	802,833	1,070,000	1,367,600	760,000	200,000	**5,316,033**
Parnership	4,458,005	-	-	532,600	-	1,610,080	912,200	183,500	**7,696,385**
Gantsi Freehold	15,330,134	829,646	549,000	4,373,700	841,000	4,671,401	12,883,488	1,498,167	**40,976,536**
Molopo Freehold	23,924,168	-	-	6,601,290	875,000	-	2,086,000	215,200	**33,701,658**
Gaborone Freehold	-	-	-	-	-	-	-	-	**-**
Pandamatenga	-	-	-	-	-	30,000	-	-	**30,000**
Lobatse Freehold	468,000	68,000	263,500	49,000	-	7,000	510,000	218,000	**1,583,500**
Sand Veldt TGLP	16,302,671	243,900	-	3,280,500	1,318,500	5,836,500	827,200	190,000	**27,999,271**
Ngwaketse TGLP	5,902,366	1,027,300	-	907,300	6,000	4,794,279	1,968,720	246,000	**14,851,965**
Kgalagadi TGLP	6,025,500	472,133	-	1,121,583	-	268,200	1,457,522	15,000	**9,359,938**
Kweneng TGLP	4,047,200	6,000	-	363,200	-	2,193,000	1,553,500	-	**8,162,900**
Gantsi TGLP	499,010	9,394,565	147,000	304,900	528,645	774,840	1,227,345	111,500	**12,987,805**
Haina Veldt TGLP	1,284,400	4,230,400	-	244,100	-	465,600	-	25,000	**6,249,500**
Nata TGLP	2,876,000	-	-	75,000	-	26,000	-	-	**2,977,000**
Lepasha TGLP	42,000	-	-	76,000	8,000	96,800	-	40,000	**262,800**
Barolong Farms	195,600	-	291,600	-	17,500	29,000	-	60,000	**593,700**
Letlhakane TGLP	2,145,743	-	-	663,000	153,000	1,485,011	95,000	533,000	**5,074,753**
Kaka	2,902,000	176,000	70,000	482,000	478,900	409,280	128,000	66,000	**4,712,180**
Total Commercial	**86,927,797**	**16,447,944**	**1,911,700**	**19,877,006**	**5,296,545**	**24,064,591**	**24,408,975**	**3,601,367**	**182,535,925**

TABLE 7.10: CATTLE AVERAGE PRICE PER HERD (PULA) BY VARIOUS BUYERS AND BLOCK

BLOCK	BMC Direct	BMC Agent	At Auction	Another Farmer	Trader	Butcher	Feedlot	Other	Average Price
Tuli Block	3,500	-	6,490	3,124	2,184	4,247	2,804	5,000	3,279
Parnership	3,873	-	-	3,777	-	4,045	4,702	4,588	4,000
Gantsi Freehold	4,353	-	8,074	3,257	3,337	3,838	3,543	2,149	3,728
Molopo Freehold	5,625	-	-	3,178	3,500	-	3,365	2,131	4,616
Gaborone Freehold	-	-	-	-	-	-	-	-	-
Pandamatenga	-	-	-	-	-	5,000	-	-	5,000
Lobatse Freehold	4,000	4,000	3,660	3,500	-	3,500	3,446	3,516	3,666
Sand Veldt TGLP	3,769	4,134	-	4,137	5,993	3,907	3,566	3,654	3,902
Ngwaketse TGLP	3,428	3,643	-	4,300	3,000	4,217	3,270	3,154	3,682
Kgalagadi TGLP	3,804	3,169	-	4,416	-	3,231	3,225	3,000	3,704
Kweneng TGLP	3,910	3,000	-	3,078	-	5,172	3,994	-	4,148
Gantsi TGLP	3,929	3,473	3,500	3,278	4,067	3,522	3,115	2,720	3,462
Haina Veldt TGLP	2,939	3,200	-	3,643	-	3,063	-	2,500	3,144
Nata TGLP	3,250	-	-	2,500	-	3,250	-	-	3,225
Lepasha TGLP	3,000	-	-	3,800	4,000	3,872	-	4,000	3,701
Barolong Farms	4,657	-	2,054	-	3,500	3,625	-	3,000	2,736
Letlhakane TGLP	3,588	-	-	3,418	2,887	3,760	3,800	4,675	3,680
Kaka	3,134	3,321	3,500	3,919	3,470	2,088	3,879	2,870	3,117
Total Commercial	**4,162**	**3,393**	**4,395**	**3,466**	**3,435**	**3,953**	**3,489**	**2,785**	**3,817**

TABLE 7.11A: OTHER CATTLE SALES EXCLUDING BULLS AND REVENUE RECEIVED (PULA) BY BLOCK

BLOCK	Holdings Selling Other Cattle	Percentage	Total Other Cattle Sales	Percentage	Total Revenue Received (Pula)	Total Revenue Per Holding (Pula)	Average Price Per Head (Pula)
Tuli Block	34	4.1	1,621	3.5	5,316,033	156,354	3,279
Tati Freehold	49	5.9	1,928	4.1	7,636,385	155,845	3,961
Gantsi Freehold	67	8.0	10,993	23.5	40,976,536	611,590	3,728
Molopo Freehold	19	2.3	7,301	15.6	33,701,658	1,773,771	4,616
Gaborone Freehold	-	-	-	-	-	-	-
Pandamatenga	1	0.1	6	0.0	30,000	30,000	5,000
Lobatse Freehold	11	1.3	432	0.9	1,583,500	143,955	3,666
Sand Veld TGLP	155	18.6	7,175	15.3	27,999,271	180,640	3,902
Ngwaketse TGLP	99	11.9	4,034	8.6	14,851,965	150,020	3,682
Kgalagadi TGLP	62	7.4	2,535	5.4	9,359,938	150,967	3,692
Kweneng TGLP	45	5.4	1,968	4.2	7,362,900	163,620	3,741
Gantsi TGLP	125	15.0	3,752	8.0	12,987,805	103,902	3,462
Haina Veldt TGLP	36	4.3	1,988	4.2	6,249,500	173,597	3,144
Nata TGLP	15	1.8	923	2.0	2,977,000	198,467	3,225
Lepasha TGLP	11	1.3	71	0.2	262,800	23,891	3,701
Barolong Farms	9	1.1	217	0.5	593,700	65,967	2,736
Letlhakane TGLP	55	6.6	1,379	2.9	5,074,753	92,268	3,680
Kaka	42	5.0	1,512	3.2	4,712,180	112,195	3,117
Total Commercial	**835**	**100**	**47,835**	**102**	**181,675,924**	**217,576**	**3,798**

TABLE 7.11B: BULLS SALES AND REVENUE RECEIVED (PULA) BY BLOCK

BLOCK	Holdings Selling Bulls	Percentage	Total Bulls Sales	Percentage	Total Revenue Received (Pula)	Total Revenue Per Holding (Pula)	Average Price Per Bull (Pula)
Tuli Block	6	5.2	25	1.5	216,700	36,117	8,668
Tati Freehold	16	13.9	112	6.7	1,230,300	76,894	10,985
Gantsi Freehold	7	6.1	24	1.4	205,089	29,298	8,545
Molopo Freehold	-	-	-	-	-	-	-
Gaborone Freehold	-	-	-	-	-	-	-
Pandamatenga	-	-	-	-	-	-	-
Lobatse Freehold	-	-	-	-	-	-	-
Sand Veldt TGLP	17	14.8	127	7.6	1,441,688	84,805	11,352
Ngwaketse TGLP	12	10.4	85	5.1	667,517	55,626	7,853
Kgalagadi TGLP	6	5.2	13	0.8	115,770	19,295	8,905
Kweneng TGLP	14	12.2	104	6.2	446,000	31,857	4,288
Gantsi TGLP	16	13.9	33	2.0	175,980	10,999	5,333
Haina Veldt TGLP	11	9.6	31	1.9	161,000	14,636	5,194
Nata TGLP	6	5.2	51	3.0	200,500	33,417	3,931
Lepasha TGLP	-	-	-	-	-	-	-
Barolong Farms	2	1.7	25	1.5	497,000	248,500	19,880
Letlhakane TGLP	-	-	-	-	-	-	-
Kaka	2	1.7	4	0.2	47,000	23,500	11,750
Total Commercial	**115**	**100**	**634**	**38**	**5,404,544**	**46,996**	**8,525**

TABLE 7.11C: CATTLE SALES AND REVENUE RECEIVED (PULA) BY BLOCK

BLOCK	Holdings Selling Cattle	Percentage	Total Cattle Sales	Percentage	Total Revenue Received (Pula)	Total Revenue Per Holding (Pula)	Average Price Per Head (Pula)
Tuli Block	34	4.0	1,646	3.4	5,532,733	162,727	3,361
Tati Freehold	52	6.1	2,040	4.2	8,866,685	170,513	4,346
Gantsi Freehold	67	7.9	11,017	22.7	41,181,625	614,651	3,738
Molopo Freehold	19	2.2	7,301	15.1	33,701,658	1,773,771	4,616
Gaborone Freehold	-	-	-	-	-	-	-
Pandamatenga	1	0.1	6	0.0	30,000	30,000	5,000
Lobatse Freehold	11	1.3	432	0.9	1,583,500	143,955	3,666
Sand Veldt TGLP	158	18.6	7,302	15.1	29,440,959	186,335	4,032
Ngwaketse TGLP	102	12.0	4,119	8.5	15,519,482	152,152	3,768
Kgalagadi TGLP	62	7.3	2,548	5.3	9,475,708	152,834	3,719
Kweneng TGLP	49	5.8	2,072	4.3	7,808,900	159,365	3,769
Gantsi TGLP	126	14.8	3,785	7.8	13,163,785	104,474	3,478
Haina Veldt TGLP	36	4.2	2,019	4.2	6,410,500	178,069	3,175
Nata TGLP	16	1.9	974	2.0	3,177,500	198,594	3,262
Lepasha TGLP	11	1.3	71	0.1	262,800	23,891	3,701
Barolong Farms	10	1.2	242	0.5	1,090,700	109,070	4,507
Letlhakane TGLP	55	6.5	1,379	2.8	5,074,753	92,268	3,680
Kaka	42	4.9	1,516	3.1	4,759,180	113,314	3,139
Total Commercial	**851**	**100**	**48,469**	**100**	**187,080,468**	**219,836**	**3,860**

TABLE 7.12A: HOLDINGS PURCHASING OTHER CATTLE, OTHER CATTLE PURCHASES AND COST INCURRED (PULA) BY BLOCK

BLOCK	Holdings Purchasing Other Cattle	Percentage	Total Other Cattle Purchases	Percentage	Total Costs Incurred (Pula)	Total Cost Per Holding (Pula)	Average Cost Per Head (Pula)
Tuli Block	2	1.5	48	1.0	135,000	67,500	2,813
Tati	9	6.6	642	13.4	2,010,200	223,356	3,131
Gantsi Freehold	10	7.4	212	4.4	753,000	75,300	3,552
Molopo Freehold	7	5.1	393	8.2	1,391,000	198,714	3,539
Gaborone Freehold	-	-	-	-	-	-	-
Pandamatenga	-	-	-	-	-	-	-
Lobatse Freehold	-	-	-	-	-	-	-
Sand Veldt TGLP	15	11.0	503	10.5	2,008,500	133,900	3,993
Ngwaketse TGLP	24	17.6	862	17.9	3,270,200	136,258	3,794
Kgalagadi TGLP	15	11.0	734	15.3	2,804,800	186,987	3,821
Kweneng TGLP	21	15.4	196	4.1	691,100	32,910	3,526
Gantsi TGLP	10	7.4	88	1.8	284,500	28,450	3,233
Haina Veldt TGLP	10	7.4	603	12.5	1,695,400	169,540	2,812
Nata TGLP	-	-	-	-	-	-	-
Lepasha TGLP	-	-	-	-	-	-	-
Barolong Farms	-	-	-	-	-	-	-
Letlhakane TGLP	8	5.9	163	3.4	698,600	87,325	4,286
Kaka	5	3.7	363	7.6	1,306,500	261,300	3,599
Total Commercial	**136**	**100.0**	**4,807**	**100.0**	**17,048,800**	**125,359**	**3,547**

TABLE 7.12B: HOLDINGS PURCHASING BULLS, BULLS PURCHASES AND COST INCURED (PULA) BY BLOCK

BLOCK	Holdings Purchasing Bulls	Percentage	Total Bull Purchases	Percentage	Total Costs Incurred (Pula)	Total Cost Per Holding (Pula)	Average Cost Per Bull (Pula)
Tuli Block	3	3.0	5	1.7	87,500	29,167	17,500
Tati	7	7.0	13	4.5	143,200	20,457	11,015
Gantsi Freehold	7	7.0	69	24.0	1,368,000	195,429	19,826
Molopo Freehold	1	1.0	1	0.3	15,000	15,000	15,000
Gaborone Freehold	-	-	-	-	-	-	-
Pandamatenga	-	-	-	-	-	-	-
Lobatse Freehold	-	-	-	-	-	-	-
Sand Veldt TGLP	26	26.0	71	24.7	1,337,450	51,440	18,837
Ngwaketse TGLP	13	13.0	32	11.1	579,000	44,538	18,094
Kgalagadi TGLP	6	6.0	8	2.8	109,500	18,250	13,688
Kweneng TGLP	9	9.0	17	5.9	102,000	11,333	6,000
Gantsi TGLP	9	9.0	20	7.0	192,300	21,367	9,615
Haina Veldt TGLP	8	8.0	30	10.5	154,300	19,288	5,143
Nata TGLP	-	-	-	-	-	-	-
Lepasha TGLP	-	-	-	-	-	-	-
Barolong Farms	1	1.0	1	0.3	15,000	15,000	15,000
Letlhakane TGLP	5	5.0	8	2.8	116,000	23,200	14,500
Kaka	5	5.0	12	4.2	323,000	64,600	26,917
Total Commercial	**100**	**100.0**	**287**	**100**	**4,542,250**	**45,423**	**15,827**

TABLE 7.12C: HOLDINGS PURCHASING CATTLE, CATTLE PURCHASES AND COST INCURRED (PULA) BY BLOCK

BLOCK	Holdings Purchasing Cattle	Percentage	Total Cattle Purchases	Percentage	Total Costs Incurred (Pula)	Total Cost Per Holding (Pula)	Average Cost Per Head (Pula)
Tuli Block	5	2.6	53	1.0	222,500	44,500	4,198
Tati	9	4.6	655	12.9	2,153,400	239,267	3,288
Gantsi Freehold	16	8.2	281	5.5	2,121,000	132,563	7,548
Molopo Freehold	8	4.1	394	7.7	1,406,000	175,750	3,569
Gaborone Freehold	-	-	-	-	-	-	-
Pandamatenga	-	-	-	-	-	-	-
Lobatse Freehold	-	-	-	-	-	-	-
Sand Veldt TGLP	33	17.0	574	11.3	3,345,950	101,392	5,829
Ngwaketse TGLP	30	15.5	894	17.6	3,849,200	128,307	4,306
Kgalagadi TGLP	17	8.8	742	14.6	2,914,300	171,429	3,928
Kweneng TGLP	25	12.9	213	4.2	793,100	31,724	3,723
Gantsi TGLP	17	8.8	108	2.1	476,800	28,047	4,415
Haina Veldt TGLP	13	6.7	633	12.4	1,849,700	142,285	2,922
Nata TGLP	-	-	-	-	-	-	-
Lepasha TGLP	-	-	-	-	-	-	-
Barolong Farms	1	0.5	1	0.0	15,000	15,000	15,000
Letlhakane TGLP	12	6.2	171	3.4	814,600	67,883	4,764
Kaka	8	4.1	375	7.4	1,629,500	203,688	4,345
Total Commercial	**194**	**100**	**5,094**	**100**	**21,591,050**	**111,294**	**4,239**

COMMERCIAL SECTOR: SMALL STOCK (GOATS)

TABLE 8.1: GOATS HOLDINGS AND POPULATION BY GENDER AND BLOCK

BLOCK	Goats Holdings				Goats Population				
	Male owned	Female Owned	Company Owned	Total Holdings	Male Owned	Female Owned	Company Owned	Total Goats	Average Number of Goats per Holding
Tuli Block	25	4	1	30	2,276	104	44	**2,424**	81
Tati Block	68	16	2	86	3,097	705	185	**3,987**	46
Gantsi Freehold	23	4	23	50	3,130	293	1,362	**4,785**	96
Molopo Freehold	-	-	4	4	-	-	233	**233**	58
Gaborone Freehold	1	-	-	1	43	-	-	**43**	43
Pandamatenga	1	-	1	2	30	-	220	**250**	125
Lobatse Freehold	11	3	2	16	698	133	79	**910**	57
Sand Veldt TGLP	130	7	5	142	8,408	221	212	**8,841**	62
Ngwaketse TGLP	72	20	5	97	3,322	1,220	265	**4,807**	50
Kgalagadi TGLP	33	4	26	63	3,895	458	2,631	**6,984**	111
Kweneng TGLP	45	9	1	55	1,919	274	123	**2,316**	42
Gantsi TGLP	78	14	17	109	6,036	1,252	1,164	**8,452**	78
Haina Veldt TGLP	55	9	16	80	4,995	715	965	**6,675**	83
Nata TGLP	9	-	12	21	539	-	297	**836**	40
Lepasha TGLP	17	4	-	21	533	156	-	**689**	33
Barolong Farms	-	-	5	5	-	-	219	**219**	44
Letlhakane TGLP	51	6	6	63	4,284	201	540	**5,025**	80
Kaka	45	4	4	53	3,859	323	329	**4,511**	85
Total Commercial	**664**	**104**	**130**	**898**	**47,064**	**6,055**	**8,868**	**61,987**	**69**

TABLE 8.2: GOATS COMPOSITION BY BLOCK

BLOCK	Uncastrated Male Goats	Castrated Males	Female Goats	Male Kids	Female Kids	Total goats
Tuli Block	89	233	1,416	354	332	**2,424**
Tati Block	186	437	2,184	555	625	**3,987**
Gantsi Freehold	210	862	2539	582	592	**4,785**
Molopo Freehold	4	23	104	50	52	**233**
Gaborone Freehold	-	6	26	4	7	**43**
Pandamatenga	44	6	110	45	45	**250**
Lobatse Freehold	32	139	406	133	200	**910**
Sand Veldt TGLP	319	1,235	4,670	1,107	1,510	**8,841**
Ngwaketse TGLP	154	631	2,588	679	755	**4,807**
Kgalagadi TGLP	292	590	4,053	973	1,076	**6,984**
Kweneng TGLP	148	312	1,178	302	376	**2,316**
Gantsi TGLP	240	883	4,804	1,314	1,211	**8,452**
Haina Veldt TGLP	96	1,036	3,687	760	1,096	**6,675**
Nata TGLP	42	82	487	97	128	**836**
Lepasha TGLP	35	112	359	71	112	**689**
Barolong Farms	13	7	128	28	43	**219**
Letlhakane TGLP	121	759	2,588	712	845	**5,025**
Kaka	166	437	2,979	352	577	**4,511**
Total Commercial	**2,191**	**7,790**	**34,306**	**8,118**	**9,582**	**61,987**

TABLE 8.3: GOATS HOLDINGS BY TYPE OF BREED AND BLOCK

BLOCK	Tswana	Boer goat	Crosses	Kalahari Red	Savanah	Sanaan	Other
Tuli Block	15	15	1	2	-	-	1
Tati Block	42	24	33	1	-	-	-
Gantsi Freehold	9	35	8	2	1	-	-
Molopo Freehold	2	1	2	-	-	-	-
Gaborone Freehold	-	-	1	-	-	-	-
Pandamatenga	1	1	-	-	-	-	-
Lobatse Freehold	4	8	5	-	1	-	-
Sand Veldt TGLP	28	80	44	6	-	-	2
Ngwaketse TGLP	33	44	25	3	-	1	-
Kgalagadi TGLP	13	48	12	6	9	2	2
Kweneng TGLP	20	28	10	3	-	-	1
Gantsi TGLP	34	79	10	2	-	-	-
Haina Veldt TGLP	23	60	5	2	-	-	-
Nata TGLP	9	13	-	-	-	-	1
Lepasha TGLP	10	11	2	2	-	-	-
Barolong Farms	3	2	-	-	-	-	-
Letlhakane TGLP	14	41	12	3	-	-	-
Kaka	7	38	19	3	-	-	-
Total Commercial	**267**	**528**	**189**	**35**	**11**	**3**	**7**

TABLE 8.4: GOATS POPULATION BY TYPE OF BREED AND BLOCK

BLOCK	Tswana	Boer goat	Crosses	Kalahari Red	Savanah	Sanaan	Other	Total
Tuli Block	503	1,662	201	4	-	-	54	**2,424**
Tati Block	1,729	730	1,498	30	-	-	-	**3,987**
Gantsi Freehold	664	3,471	566	79	5	-	-	**4,785**
Molopo Freehold	107	2	124	-	-	-	-	**233**
Gaborone Freehold	-	-	43	-	-	-	-	**43**
Pandamatenga	220	30	-	-	-	-	-	**250**
Lobatse Freehold	211	282	416	-	1	-	-	**910**
Sand Veldt TGLP	944	4,905	2,422	486	-	-	84	**8,841**
Ngwaketse TGLP	1,147	2,347	1,268	44	-	1	-	**4,807**
Kgalagadi TGLP	582	4,205	1,251	251	450	85	160	**6,984**
Kweneng TGLP	819	747	702	33	-	-	15	**2,316**
Gantsi TGLP	2,226	5,832	392	2	-	-	-	**8,452**
Haina Veldt TGLP	1,582	4,672	390	31	-	-	-	**6,675**
Nata TGLP	229	606	-	-	-	-	1	**836**
Lepasha TGLP	172	427	51	39	-	-	-	**689**
Barolong Farms	67	152	-	-	-	-	-	**219**
Letlhakane TGLP	582	3,362	963	118	-	-	-	**5,025**
Kaka	155	2,867	1,393	96	-	-	-	**4,511**
Total Commercial	**11,939**	**36,299**	**11,680**	**1,213**	**456**	**86**	**314**	**61,987**

TABLE 8.5A: GOATS INVENTORY (BIRTHS, DEATHS, SALES, PURCHASES, OFFTAKE,……..) BY BLOCK

BLOCK	Sales	Home Consumption	Purchases	Offtake	Births	Deaths	Given Away	Losses
Tuli Block	422	55	4	473	883	280	8	39
Tati Block	249	219	334	134	1,541	695	27	84
Gantsi Freehold	279	187	82	384	1,435	491	31	106
Molopo Freehold	-	32	-	32	123	21	6	14
Gaborone Freehold	6	6	-	12	18	7	1	-
Pandamatenga	40	5	-	45	113	24	-	-
Lobatse Freehold	42	27	1	68	420	135	7	40
Sand Veldt TGLP	477	555	84	948	3,800	1,770	125	269
Ngwaketse TGLP	293	243	102	434	2,081	866	35	295
Kgalagadi TGLP	603	439	78	964	2,697	960	23	299
Kweneng TGLP	187	125	183	129	1,242	693	24	116
Gantsi TGLP	571	359	150	780	3,351	1,153	62	1,107
Haina Veldt TGLP	230	339	20	549	2,363	930	18	586
Nata TGLP	42	50	1	91	275	100	2	67
Lepasha TGLP	36	29	2	63	322	141	2	98
Barolong Farms	9	9	-	18	151	96	4	1
Letlhakane TGLP	330	277	98	509	1,911	610	36	421
Kaka	327	210	76	461	1,355	651	36	162
Total Commercial	**4,143**	**3,166**	**1,215**	**6,094**	**24,081**	**9,623**	**447**	**3,704**

TABLE 8.5B: PERCENTAGES: GOATS INVENTORY (BIRTHS, DEATHS, SALES, PURCHASES, OFFTAKE,……..) BY BLOCK

BLOCK	Sales	Home Consumption	Purchases	Offtake	Births	Deaths	Given Away	Losses
Tuli Block	17.4	2.3	0.2	19.5	62.4	11.6	0.3	1.6
Tati Block	6.2	5.5	8.4	3.4	70.6	17.4	0.7	2.1
Gantsi Freehold	5.8	3.9	1.7	8.0	56.5	10.3	0.6	2.2
Molopo Freehold	-	13.7	-	13.7	118.3	9.0	2.6	6.0
Gaborone Freehold	14.0	14.0	-	27.9	69.2	16.3	2.3	-
Pandamatenga	16.0	2.0	-	18.0	102.7	9.6	-	-
Lobatse Freehold	4.6	3.0	0.1	7.5	103.4	14.8	0.8	4.4
Sand Veldt TGLP	5.4	6.3	1.0	10.7	81.4	20.0	1.4	3.0
Ngwaketse TGLP	6.1	5.1	2.1	9.0	80.4	18.0	0.7	6.1
Kgalagadi TGLP	8.6	6.3	1.1	13.8	66.5	13.7	0.3	4.3
Kweneng TGLP	8.1	5.4	7.9	5.6	105.4	29.9	1.0	5.0
Gantsi TGLP	6.8	4.2	1.8	9.2	69.8	13.6	0.7	13.1
Haina Veldt TGLP	3.4	5.1	0.3	8.2	64.1	13.9	0.3	8.8
Nata TGLP	5.0	6.0	0.1	10.9	56.5	12.0	0.2	8.0
Lepasha TGLP	5.2	4.2	0.3	9.1	89.7	20.5	0.3	14.2
Barolong Farms	4.1	4.1	-	8.2	118.0	43.8	1.8	0.5
Letlhakane TGLP	6.6	5.5	2.0	10.1	73.8	12.1	0.7	8.4
Kaka	7.2	4.7	1.7	10.2	45.5	14.4	0.8	3.6
Total Commercial	**6.7**	**5.1**	**2.0**	**9.8**	**70.2**	**15.5**	**0.7**	**6.0**

TABLE 8.6A: GOATS SALES AND REVENUE RECEIVED (PULA) BY BLOCK

BLOCK	Holdings Selling Goats	Percentage	Total Goats Sales	Percentage	Total Revenue Received (Pula)	Total Revenue Per Holding (Pula)	Average Price Per Head (Pula)
Tuli Block	13	4.8	422	10.2	457,500	35,192	1,084
Tati Block	18	6.6	249	6.0	317,200	17,622	1,274
Gantsi Freehold	21	7.7	279	6.7	229,112	10,910	821
Molopo Freehold	-	-	-	-	-	-	-
Gaborone Freehold	1	0.4	6	0.1	4,500	4,500	750
Pandamatenga	1	0.4	40	1.0	28,000	28,000	700
Lobatse Freehold	6	2.2	42	1.0	31,100	5,183	740
Sand Veldt TGLP	37	13.6	477	11.5	532,650	14,396	1,117
Ngwaketse TGLP	24	8.8	293	7.1	254,650	10,610	869
Kgalagadi TGLP	36	13.2	603	14.6	503,210	13,978	835
Kweneng TGLP	16	5.9	187	4.5	198,100	12,381	1,059
Gantsi TGLP	39	14.3	571	13.8	433,500	11,115	759
Haina Veldt TGLP	17	6.3	230	5.6	184,100	10,829	800
Nata TGLP	4	1.5	42	1.0	42,300	10,575	1,007
Lepasha TGLP	3	1.1	36	0.9	32,400	10,800	900
Barolong Farms	1	0.4	9	0.2	7,000	7,000	778
Letlhakane TGLP	21	7.7	330	8.0	336,050	16,002	1,018
Kaka	14	5.1	327	7.9	410,200	29,300	1,254
Total Commercial	**272**	**100**	**4,143**	**100**	**4,001,572**	**14,712**	**966**

TABLE 8.6B: BUCKS SALES AND REVENUE RECEIVED (PULA) BY BLOCK

BLOCK	Holdings Selling Bucks	Percentage	Total Bucks Sales	Percentage	Total Revenue Received (Pula)	Total Revenue Per Holding (Pula)	Average Price Per Buck (Pula)
Tuli Block	3	4.1	19	6.0	73,600	24,533	3,874
Tati Block	9	12.2	47	14.7	143,500	15,944	3,053
Gantsi Freehold	2	2.7	11	3.4	8,100	4,050	736
Molopo Freehold	-	-	-	-	-	-	-
Gaborone Freehold	-	-	-	-	-	-	-
Pandamatenga	-	-	-	-	-	-	-
Lobatse Freehold	-	-	-	-	-	-	-
Sand Veldt TGLP	7	9.5	55	17.2	123,300	17,614	2,242
Ngwaketse TGLP	5	6.8	7	2.2	11,300	2,260	1,614
Kgalagadi TGLP	15	20.3	50	15.7	343,710	22,914	6,874
Kweneng TGLP	9	12.2	40	12.5	64,900	7,211	1,623
Gantsi TGLP	6	8.1	24	7.5	22,000	3,667	917
Haina Veldt TGLP	9	12.2	19	6.0	33,500	3,722	1,763
Nata TGLP	2	2.7	2	0.6	15,400	7,700	7,700
Lepasha TGLP	-	-	-	-	-	-	-
Barolong Farms	-	-	-	-	-	-	-
Letlhakane TGLP	4	5.4	12	3.8	49,300	12,325	4,108
Kaka	3	4.1	33	10.3	125,900	41,967	3,815
Total Commercial	**74**	**100.0**	**319**	**100.0**	**1,014,510**	**13,710**	**3,180**

TABLE 8.6C: OTHER GOATS SALES EXCLUDING BUCKS AND REVENUE RECEIVED (PULA) BY BLOCK

BLOCK	Holdings Selling Other Goats	Percentage	Total Other Goats Sales	Percentage	Total Revenue Received (Pula)	Total Revenue Per Holding (Pula)	Average Price Per Head (Pula)
Tuli Block	13	5.2	403	10.5	383,900	29,531	953
Tati Block	15	6.0	202	5.3	171,700	11,447	850
Gantsi Freehold	20	8.0	268	7.0	221,012	11,051	825
Molopo Freehold	-	-	-	-	-	-	-
Gaborone Freehold	1	0.4	6	0.2	4,500	4,500	750
Pandamatenga	1	0.4	40	1.0	28,000	28,000	700
Lobatse Freehold	6	2.4	42	1.1	31,100	5,183	740
Sand Veldt TGLP	33	13.3	422	11.0	409,350	12,405	970
Ngwaketse TGLP	22	8.8	286	7.5	243,350	11,061	851
Kgalagadi TGLP	34	13.7	553	14.5	343,710	10,109	622
Kweneng TGLP	14	5.6	147	3.8	133,200	9,514	906
Gantsi TGLP	35	14.1	547	14.3	411,500	11,757	752
Haina Veldt TGLP	14	5.6	211	5.5	150,600	10,757	714
Nata TGLP	4	1.6	40	1.0	26,900	6,725	673
Lepasha TGLP	3	1.2	36	0.9	32,400	10,800	900
Barolong Farms	1	0.4	9	0.2	7,000	7,000	778
Letlhakane TGLP	20	8.0	318	8.3	286,750	14,338	902
Kaka	13	5.2	294	7.7	284,300	21,869	967
Total Commercial	**249**	**100.0**	**3,824**	**100.0**	**3,169,272**	**12,728**	**829**

TABLE 8.7: GOATS PURCHASES AND COST INCURRED (PULA) BY BLOCK

BLOCK	Holdings Purchasing Goats	Percentage	Total Goats Purchases	Percentage	Total Costs Incurred (Pula)	Total Cost Per Holding (Pula)	Average Cost Per Head (Pula)
Tuli Block	1	0.8	4	0.3	2,800	2,800	700
Tati Block	24	20.3	334	27.5	318,250	13,260	953
Gantsi Freehold	9	7.6	82	6.7	86,150	9,572	1,051
Molopo Freehold	-	-	-	-	-	-	-
Gaborone Freehold	-	-	-	-	-	-	-
Pandamatenga	-	-	-	-	-	-	-
Lobatse Freehold	1	0.8	1	0.1	700	700	700
Sand Veldt TGLP	21	17.8	84	6.9	188,600	8,981	2,245
Ngwaketse TGLP	7	5.9	102	8.4	71,900	10,271	705
Kgalagadi TGLP	10	8.5	78	6.4	56,150	5,615	720
Kweneng TGLP	13	11.0	183	15.1	173,800	13,369	950
Gantsi TGLP	10	8.5	150	12.3	95,500	9,550	637
Haina Veldt TGLP	7	5.9	20	1.6	20,600	2,943	1,030
Nata TGLP	1	0.8	1	0.1	2,000	2,000	2,000
Lepasha TGLP	1	0.8	2	0.2	1,600	1,600	800
Barolong Farms	-	-	-	-	-	-	-
Letlhakane TGLP	6	5.1	98	8.1	154,300	25,717	1,574
Kaka	7	5.9	76	6.3	133,600	19,086	1,758
Total Commercial	**118**	**100.0**	**1,215**	**100.0**	**1,305,950**	**11,067**	**1,075**

COMMERCIAL SECTOR: SMALL STOCK (SHEEP)

TABLE 8.8: SHEEP HOLDINGS AND POPULATION BY GENDER AND BLOCK

BLOCK	Sheep Holdings				Sheep Population				Average Number of Sheep per Holding
	Male Owned	Female Owned	Company Owned	Total Holdings	Male Owned	Female Owned	Company Owned	Total Sheep	
Tuli Block	22	3	2	27	1,978	121	271	**2,370**	88
Tati Block	47	11	2	60	1,458	400	96	**1,954**	33
Gantsi Freehold	22	1	11	34	1,864	55	751	**2,670**	79
Molopo Freehold	-	-	8	8	-	-	458	**458**	57
Gaborone Freehold	2	-	-	2	83	-	-	**83**	42
Pandamatenga	1	-	2	3	20	-	417	**437**	146
Lobatse Freehold	7	2	1	10	360	121	22	**503**	50
Sand Veldt TGLP	59	2	2	63	2,089	21	21	**2,131**	34
Ngwaketse TGLP	46	11	5	62	1,941	1,098	491	**3,530**	57
Kgalagadi TGLP	26	4	22	52	3,442	793	1,621	**5,856**	113
Kweneng TGLP	17	2	1	20	465	24	47	**536**	27
Gantsi TGLP	33	4	7	44	1,568	124	326	**2,018**	46
Haina Veldt TGLP	32	4	12	48	2,810	183	767	**3,760**	78
Nata TGLP	3	-	3	6	203	-	48	**251**	42
Lepasha TGLP	7	2	-	9	113	25	-	**138**	15
Barolong Farms	-	-	4	4	-	-	211	**211**	53
Letlhakane TGLP	22	2	5	29	627	46	76	**749**	26
Kaka	19	-	2	21	416	-	127	**543**	26
Total Commercial	**365**	**48**	**89**	**502**	**19,437**	**3,011**	**5,750**	**28,198**	**56**

TABLE 8.9: SHEEP COMPOSITION BY BLOCK

BLOCK	Uncastrated Male Sheep	Castrated Male Sheep	Female Sheep	Male Lambs	Female lambs	Total Sheep
Tuli Block	62	229	1,515	244	320	**2,370**
Tati Block	111	253	1,080	264	246	**1,954**
Gantsi Freehold	99	345	1,503	336	387	**2,670**
Molopo Freehold	42	60	223	64	69	**458**
Gaborone Freehold	3	14	37	4	25	**83**
Pandamatenga	43	45	229	60	60	**437**
Lobatse Freehold	14	50	313	63	63	**503**
Sand Veldt TGLP	110	311	1,082	276	352	**2,131**
Ngwaketse TGLP	171	581	1,732	531	515	**3,530**
Kgalagadi TGLP	237	392	3,534	794	899	**5,856**
Kweneng TGLP	64	25	268	76	103	**536**
Gantsi TGLP	67	262	1,173	233	283	**2,018**
Haina Veldt TGLP	82	514	2,340	269	555	**3,760**
Nata TGLP	7	135	59	26	24	**251**
Lepasha TGLP	12	16	76	16	18	**138**
Barolong Farms	53	2	135	7	14	**211**
Letlhakane TGLP	43	105	410	82	109	**749**
Kaka	47	53	347	37	59	**543**
Total Commercial	**1,267**	**3,392**	**16,056**	**3,382**	**4,101**	**28,198**

TABLE 8.10: SHEEP HOLDINGS BY TYPE OF BREED AND BLOCK

BLOCK	Dorper	Karakul	Tswana	Other
Tuli Block	14	1	11	3
Tati Block	16	3	33	13
Gantsi Freehold	18	1	7	12
Molopo Freehold	6	-	1	2
Gaborone Freehold	2	-	-	-
Pandamatenga	2	-	1	-
Lobatse Freehold	7	-	3	1
Sand Veldt TGLP	37	1	18	10
Ngwaketse TGLP	39	1	14	13
Kgalagadi TGLP	45	6	2	4
Kweneng TGLP	14	-	7	2
Gantsi TGLP	32	1	6	8
Haina Veldt TGLP	28	-	9	16
Nata TGLP	-	1	5	-
Lepasha TGLP	2	-	5	2
Barolong Farms	3	-	-	1
Letlhakane TGLP	16	-	9	7
Kaka	9	-	8	6
Total Commercial	**290**	**15**	**139**	**100**

TABLE 8.11: SHEEP POPULATION BY TYPE OF BREED AND BLOCK

BLOCK	Dorper	Karakul	Tswana	Other	Total
Tuli Block	1,311	50	399	610	**2,370**
Tati Block	498	23	870	563	**1,954**
Gantsi Freehold	1,061	5	393	1,211	**2,670**
Molopo Freehold	332	-	1	125	**458**
Gaborone Freehold	83	-	-	-	**83**
Pandamatenga	417	-	20	-	**437**
Lobatse Freehold	271	-	150	82	**503**
Sand Veld TGLP	1,380	28	466	257	**2,131**
Ngwaketse TGLP	2,357	91	459	623	**3,530**
Kgalagadi TGLP	4,186	863	110	697	**5,856**
Kweneng TGLP	341	-	148	47	**536**
Gantsi TGLP	1,276	33	186	523	**2,018**
Haina Veldt TGLP	1,490	-	223	2,047	**3,760**
Nata TGLP	-	8	243	-	**251**
Lepasha TGLP	20	-	92	26	**138**
Barolong Farms	209	-	-	2	**211**
Letlhakane TGLP	330	-	176	243	**749**
Kaka	278	-	100	165	**543**
Total Commercial	**15,840**	**1,101**	**4,036**	**7,221**	**28,198**

TABLE 8.12A: SHEEP INVENTORY (BIRTHS, DEATHS, SALES, PURCHASES, OFFTAKE,……..) BY BLOCK

BLOCK	Sheep Sales	Home Consumption	Purchases	Offtake	Births	Deaths	Given Away	Losses
Tuli Block	222	49	12	259	620	183	4	42
Tati Block	117	103	142	78	643	259	16	45
Gantsi Freehold	174	132	53	253	916	351	29	112
Molopo Freehold	-	89	-	89	187	65	7	48
Gaborone Freehold	7	-	4	3	35	3	2	1
Pandamatenga	80	25	62	43	138	32	8	-
Lobatse Freehold	34	1	-	35	188	82	2	56
Sand Veldt TGLP	104	131	23	212	926	488	27	77
Ngwaketse TGLP	116	162	156	122	1,281	350	32	129
Kgalagadi TGLP	616	326	58	884	2,064	542	6	271
Kweneng TGLP	17	47	69	(5)	264	141	-	1
Gantsi TGLP	177	89	82	184	704	216	20	147
Haina Veldt TGLP	76	95	30	141	1,112	498	4	145
Nata TGLP	-	14	1	13	61	53	-	20
Lepasha TGLP	-	10	-	10	71	42	-	10
Barolong Farms	70	1	-	71	53	34	3	13
Letlhakane TGLP	49	38	18	69	258	108	4	154
Kaka	29	47	2	74	125	66	1	51
Total Commercial	**1,888**	**1,359**	**712**	**2,535**	**9,646**	**3,513**	**165**	**1,322**

TABLE 8.12B: PERCENTAGES: SHEEP INVENTORY (BIRTHS, DEATHS, SALES, PURCHASES, OFFTAKE,……..) BY BLOCK

BLOCK	Sheep Sales	Home Consumption	Purchases	Offtake	Births	Deaths	Given Away	Losses
Tuli Block	9.4	2.1	0.5	10.9	40.9	7.7	0.2	1.8
Tati Block	6.0	5.3	7.3	4.0	59.5	13.3	0.8	2.3
Gantsi Freehold	6.5	4.9	2.0	9.5	60.9	13.1	1.1	4.2
Molopo Freehold	-	19.4	-	19.4	83.9	14.2	1.5	10.5
Gaborone Freehold	8.4	-	4.8	3.6	94.6	3.6	2.4	1.2
Pandamatenga	18.3	5.7	14.2	9.8	60.3	7.3	1.8	-
Lobatse Freehold	6.8	0.2	-	7.0	60.1	16.3	0.4	11.1
Sand Veldt TGLP	4.9	6.1	1.1	9.9	85.6	22.9	1.3	3.6
Ngwaketse TGLP	3.3	4.6	4.4	3.5	74.0	9.9	0.9	3.7
Kgalagadi TGLP	10.5	5.6	1.0	15.1	58.4	9.3	0.1	4.6
Kweneng TGLP	3.2	8.8	12.9	(0.9)	98.5	26.3	-	0.2
Gantsi TGLP	8.8	4.4	4.1	9.1	60.0	10.7	1.0	7.3
Haina Veldt TGLP	2.0	2.5	0.8	3.8	47.5	13.2	0.1	3.9
Nata TGLP	-	5.6	0.4	5.2	103.4	21.1	-	8.0
Lepasha TGLP	-	7.2	-	7.2	93.4	30.4	-	7.2
Barolong Farms	33.2	0.5	-	33.6	39.3	16.1	1.4	6.2
Letlhakane TGLP	6.5	5.1	2.4	9.2	62.9	14.4	0.5	20.6
Kaka	5.3	8.7	0.4	13.6	36.0	12.2	0.2	9.4
Total Commercial	**6.7**	**4.8**	**2.5**	**9.0**	**60.1**	**12.5**	**0.6**	**4.7**

TABLE 8.13A: SHEEP SALES AND REVENUE RECEIVED (PULA) BY BLOCK

BLOCK	Holdings Selling Sheep	Percentage	Total Sheep Sales	Percentage	Total Revenue Received (Pula)	Total Revenue Per Holding (Pula)	Average Price Per Head (Pula)
Tuli Block	9	7.3	222	11.8	225,575	25,063.89	1,016
Tati Block	13	10.5	117	6.2	138,300	10,638.46	1,182
Gantsi Freehold	11	8.9	174	9.2	154,450	14,040.91	888
Molopo Freehold	-	-	-	-	-	-	-
Gaborone Freehold	1	0.8	7	0.4	7,000	7,000.00	1,000
Pandamatenga	1	0.8	80	4.2	49,000	49,000.00	613
Lobatse Freehold	4	3.2	34	1.8	27,700	6,925.00	815
Sand Veldt TGLP	11	8.9	104	5.5	95,100	8,645.45	914
Ngwaketse TGLP	13	10.5	116	6.1	113,240	8,710.77	976
Kgalagadi TGLP	21	16.9	616	32.6	779,400	37,114.29	1,265
Kweneng TGLP	5	4.0	17	0.9	22,650	4,530.00	1,332
Gantsi TGLP	15	12.1	177	9.4	148,150	9,876.67	837
Haina Veldt TGLP	8	6.5	76	4.0	80,800	10,100.00	1,063
Nata TGLP	-	-	-	-	-	-	-
Lepasha TGLP	-	-	-	-	-	-	-
Barolong Farms	1	0.8	70	3.7	56,800	56,800.00	811
Letlhakane TGLP	8	6.5	49	2.6	50,150	6,268.75	1,023
Kaka	3	2.4	29	1.5	33,600	11,200.00	1,159
Total Commercial	**124**	**100.0**	**1,888**	**100.0**	**1,981,915**	**15,983.19**	**1,050**

TABLE 8.13B: RAMS SALES AND REVENUE RECEIVED (PULA) BY BLOCK

BLOCK	Holdings Selling Rams	Percentage	Total Rams Sales	Percentage	Total Revenue Received (Pula)	Total Revenue Per Holding (Pula)	Average Price Per Ram (Pula)
Tuli Block	2	6.3	8	6.8	45,500	22,750	5,688
Tati Block	7	21.9	16	13.6	29,800	4,257	1,863
Gantsi Freehold	2	6.3	11	9.3	20,000	10,000	1,818
Molopo Freehold	-	-	-	-	-	-	-
Gaborone Freehold	1	3.1	1	0.8	2,000	2,000	2,000
Pandamatenga	-	-	-	-	-	-	-
Lobatse Freehold	-	-	-	-	-	-	-
Sand Veldt TGLP	2	6.3	6	5.1	6,900	3,450	1,150
Ngwaketse TGLP	4	12.5	5	4.2	13,600	3,400	2,720
Kgalagadi TGLP	6	18.8	38	32.2	190,000	31,667	5,000
Kweneng TGLP	2	6.3	5	4.2	12,000	6,000	2,400
Gantsi TGLP	3	9.4	16	13.6	38,600	12,867	2,413
Haina Veldt TGLP	1	3.1	2	1.7	9,000	9,000	4,500
Nata TGLP	-	-	-	-	-	-	-
Lepasha TGLP	-	-	-	-	-	-	-
Barolong Farms	1	3.1	8	6.8	7,200	7,200	900
Letlhakane TGLP	1	3.1	2	1.7	14,000	14,000	7,000
Kaka	-	-	-	-	-	-	-
Total Commercial	**32**	**100.0**	**118**	**100.0**	**388,600**	**12,144**	**3,293**

TABLE 8.13C: OTHER SHEEP SALES EXCLUDING RAMS AND REVENUE RECEIVED (PULA) BY BLOCK

BLOCK	Holdings Selling Other Sheep	Percentage	Total Other Sheep Sales	Percentage	Total Revenue Received (Pula)	Total Revenue Per Holding (Pula)	Average Price Per Head (Pula)
Tuli Block	9	8.1	214	12.1	180,075	20,008	841
Tati Block	9	8.1	101	5.7	108,500	12,056	1,074
Gantsi Freehold	10	9.0	163	9.2	134,450	13,445	825
Molopo Freehold	-	-	-	-	-	-	-
Gaborone Freehold	1	0.9	6	0.3	5,000	5,000	833
Pandamatenga	1	0.9	80	4.5	49,000	49,000	613
Lobatse Freehold	4	3.6	34	1.9	27,700	6,925	815
Sand Veldt TGLP	9	8.1	98	5.5	88,200	9,800	900
Ngwaketse TGLP	12	10.8	111	6.3	99,640	8,303	898
Kgalagadi TGLP	21	18.9	578	32.7	589,400	28,067	1,020
Kweneng TGLP	4	3.6	12	0.7	10,650	2,663	888
Gantsi TGLP	13	11.7	161	9.1	109,550	8,427	680
Haina Veldt TGLP	7	6.3	74	4.2	71,800	10,257	970
Nata TGLP	-	-	-	-	-	-	-
Lepasha TGLP	-	-	-	-	-	-	-
Barolong Farms	1	0.9	62	3.5	49,600	49,600	800
Letlhakane TGLP	7	6.3	47	2.7	36,150	5,164	769
Kaka	3	2.7	29	1.6	33,600	11,200	1,159
Total Commercial	**111**	**100.0**	**1,770**	**100.0**	**1,593,315**	**14,354**	**900**

TABLE 8.14: SHEEP PURCHASES AND COST INCURRED (PULA) BY BLOCK

BLOCK	Holdings Purchasing Sheep	Percentage	Total Sheep Purchases	Percentage	Total Costs Incurred (Pula)	Total Cost Per Holding (Pula)	Average Cost Per Head (Pula)
Tuli Block	2	2.7	12	1.7	12,500	6,250	1,042
Tati Block	14	18.7	142	19.9	135,700	9,693	956
Gantsi Freehold	8	10.7	53	7.4	74,900	9,363	1,413
Molopo Freehold	-	-	-	-	-	-	-
Gaborone Freehold	1	1.3	4	0.6	2,400	2,400	600
Pandamatenga	1	1.3	62	8.7	56,000	56,000	903
Lobatse Freehold	-	-	-	-	-	-	-
Sand Veldt TGLP	6	8.0	23	3.2	24,500	4,083	1,065
Ngwaketse TGLP	8	10.7	156	21.9	179,900	22,488	1,153
Kgalagadi TGLP	7	9.3	58	8.1	109,500	15,643	1,888
Kweneng TGLP	5	6.7	69	9.7	69,250	13,850	1,004
Gantsi TGLP	9	12.0	82	11.5	96,100	10,678	1,172
Haina Veldt TGLP	9	12.0	30	4.2	91,800	10,200	3,060
Nata TGLP	1	1.3	1	0.1	2,000	2,000	2,000
Lepasha TGLP	-	-	-	-	-	-	-
Barolong Farms	-	-	-	-	-	-	-
Letlhakane TGLP	3	4.0	18	2.5	20,900	6,967	1,161
Kaka	1	1.3	2	0.3	10,000	10,000	5,000
Total Commercial	**75**	**100.0**	**712**	**100.0**	**885,450**	**11,806**	**1,244**

TRADITIONAL AND COMMERCIAL CROP TABLES

TABLE 9.1: TRADITIONAL SECTOR : AREA PLANTED TRENDS ('000 HECTARES) BY CROP

YEAR	SORGHUM	MAIZE	MILLET	PULSES	SUNFLOWER	GROUNDNUTS
1979	67	50	13	26	5	4
1980	143	75	17	23	5	2
1981	136	81	20	26	1	3
1982	91	52	16	20	1	2
1983	125	57	16	21	-	1
1984	108	44	17	16	-	2
1985	119	48	15	16	3	1
1986	153	42	17	16	1	1
1987	195	43	14	15	1	2
1988	246	51	13	17	1	1
1989	237	76	20	28	1	1
1990	181	69	12	19	1	1
1993	138	84	15	27	2	1
1995	164	85	11	26	4	1
1996	191	134	11	35	-	2
1997	154	117	11	77	1	5
1998	65	88	9	32	-	11
1999	114	123	8	38	-	3
2000	106	123	5	35	1	4
2001	23	48	3	15	1	1
2002	66	95	3	30	-	2
2003	25	38	3	11	-	-
2004	48	63	7	15	-	-
2006	58	78	7	23	-	1
2007	30	40	6	18	1	3
2008	63	88	11	29	1	3
2009	67	121	9	31	1	3
2010	61	110	10	26	1	4
2011	70	151	13	29	14	2
2012	52	141	10	31	1	2
2013	62	124	12	36	1	2
2014	65	130	8	37	1	2
2015	23	62	5	23	-	2

Figures for 1991 -1992, 1994 not available, 2001 are traditional sector only, 2005 are commercial sector only and 2014 traditional sector only.

TABLE 9.2: TRADITIONAL SECTOR : AREA HARVESTED TRENDS ('000 HECTARES) BY CROP

YEAR	SORGHUM	MAIZE	MILLET	PULSES	SUNFLOWER	GROUNDNUTS
1979	41	19	8	14	4	2
1980	126	41	14	12	5	1
1981	118	54	13	15	1	2
1982	36	12	3	3	1	1
1983	34	16	6	3	-	-
1984	46	1	8	3	-	-
1985	78	7	10	3	-	1
1986	90	8	10	5	-	-
1987	103	3	5	2	-	-
1988	219	30	9	10	-	-
1989	184	45	11	16	-	1
1990	132	34	9	12	-	1
1993	67	22	11	9	1	1
1995	104	18	7	10	3	-
1996	164	100	9	25	-	1
1997	65	78	8	34	1	4
1998	26	24	5	13	-	9
1999	45	34	5	11	-	1
2000	53	78	3	22	1	2
2001	13	25	2	8	1	1
2002	31	35	-	11	-	-
2003	5	8	1	3	-	-
2004	39	43	6	8	-	-
2006	46	60	6	16	0	1
2007	7	8	2	3	0	0
2008	35	49	7	13	0	1
2009	47	82	8	18	1	2
2010	44	65	9	15	0	3
2011	49	101	11	20	14	1
2012	24	56	7	12	0	1
2013	34	44	8	16	-	1
2014	50	104	7	25	1	1
2015	8	13	3	6	-	1

Figures for 1991 -1992, 1994 not available, 2001 are traditional sector only, 2005 are commercial sector only and 2014 traditional sector only.

TABLE 9.3: TOTAL PRODUCTION TRENDS (METRIC TONNES) BY CROP (Traditional & Commercial)

YEAR	SORGHUM	MAIZE	MILLET	PULSES	SUNFLOWER	GROUNDNUTS
1979	5,000	3,000	1,000	1,000	900	200
1980	29,000	12,000	3,000	2,000	1,400	1,400
1981	28,000	22,000	2,000	3,000	1,200	2,000
1982	4,000	13,000	500	500	7,000	300
1983	5,000	9,000	500	300	200	800
1984	6,000	500	700	400	400	600
1985	15,000	1,500	1,800	400	500	800
1986	16,000	3,600	1,300	600	200	200
1987	18,000	3,300	400	100	100	100
1988	94,000	7,300	3,700	2,300	200	200
1989	53,000	20,000	2,000	2,500	200	500
1990	38,200	12,000	1,700	2,000	240	540
1993	10,797	2,976	1,624	530	113	126
1995	113,547	18,953	19,390	10,181	962	951
1996	59,200	24,629	2,508	3,914	39	551
1997	13,450	22,647	1,357	4,467	444	1,040
1998	3,743	2,344	507	1,198	1,267	121
1999	6,658	3,796	860	1,348	2,829	217
2000	12,671	19,962	439	4,102	163	545
2001	1,583	4,976	472	1,280	150	147
2002	15,805	16,447	54	1,907	2,250	137
2003	23,501	1,633	91	460	960	15
2004	6,095	4,291	958	1,093	479	119
2006	12,369	14,896	3,201	4,918	133	558
2007	11,774	2,158	532	805	2,558	76
2008	23,632	8,969	1,636	2,305	8,140	161
2009	29,379	19,247	2,757	4,317	1,765	1,538
2010	31,326	16,575	3,368	3,617	3,843	1,828
2011	32,591	29,235	2,511	4,700	15,837	833
2012	24,021	7,677	1,959	2,285	6,000	200
2013	10,231	3,844	1,391	3,655	2,021	112
2014	14,310	28,550	3,398	6,826	361	553
2015	35,508	3,792	555	7,187	1,388	151

Figures for 1991 -1992, 1994 not available, 2001 are traditional sector only, 2005 are commercial sector only and 2014 traditional sector only.

TABLE 9.4: TRADITIONAL SECTOR: YIELD PER HECTARE PLANTED (KG/HA) TRENDS BY CROP

YEAR	SORGHUM	MAIZE	MILLET	PULSES	SUNFLOWER	GROUNDNUTS
1979	74	58	77	37	150	50
1980	197	150	176	83	200	280
1981	199	253	100	115	400	400
1982	43	203	31	25	350	150
1983	40	148	29	14	200	800
1984	53	10	41	24	200	150
1985	120	31	113	27	167	400
1986	99	82	74	33	211	129
1987	86	70	26	20	175	33
1988	338	141	225	128	200	282
1989	199	224	97	83	200	232
1990	185	147	135	98	300	257
1993	78	36	108	20	51	90
1995	685	220	1,708	394	197	856
1996	310	180	227	109	65	240
1997	67	189	129	58	147	193
1998	55	25	55	38	32	10
1999	47	30	109	36	69	73
2000	119	162	82	116	178	146
2001	68	104	141	87	156	100
2002	89	75	15	63	86	64
2003	37	42	36	41	24	23
2004	213	134	329	134	97	250
2006	211	191	444	218	313	442
2007	42	45	61	34	7	25
2008	82	95	132	69	158	49
2009	118	108	267	99	191	447
2010	101	96	301	111	180	429
2011	93	193	195	133	437	334
2012	144	53	153	63	165	91
2013	71	22	109	7	169	71
2014	220	220	400	182	263	337
2015	83	23	103	35	209	71

Figures for 1991 -1992, 1994 not available, 2001 are traditional sector only, 2005 are commercial sector only and 2014 traditional sector only.

TABLE 10.1: SUMMARY OF TRADITIONAL AND COMMERCIAL SECTORS CROP STATISTICS

	TRADITIONAL SECTOR		COMMERCIAL SECTOR		TOTALS	
	2004	2015	2004	2015	2004	2015
LAND HOLDINGS:- TOTAL HOLDINGS WITH LAND	63,257	41,043	100	305	63,357	41,348
TOTAL LAND AREA (HA)	208,752	204,965	16,856	54,691	225,608	259,656
TOTAL CROP HOLDINGS	55,807	30,150	70	252	55,877	30,402
TOTAL AREA PLANTED (HA)	141,585	123,251	16,856	34,562	158,441	157,813
TOTAL AREA HARVESTED (HA)	99,084	32,641	16,207	31,769	115,291	64,410
SORGHUM:- TOTAL HOLDINGS	38,761	18,226	39	49	38,800	18,275
TOTAL AREA PLANTED (HA)	48,815	23,223	11,835	18,464	60,650	41,687
TOTAL AREA HARVESTED (HA)	38,736	7,925	11,832	17,938	50,568	25,863
TOTAL PRODUCTION (METRIC TONS)	10,581	1,927	1,175	33,581	11,756	35,508
AVERAGE YIELD PER HECTARE PLANTED (KG)	**217**	**83**	**99**	**1,819**	**194**	**852**
AVERAGE YIELD PER HECTARE HARVESTED (KG)	**273**	**243**	**99**	**1,872**	**232**	**1,373**
MAIZE:- TOTAL HOLDINGS	52,353	31,154	21	59	52,374	31,213
TOTAL AREA PLANTED (HA)	63,214	61,803	615	3,326	63,829	65,129
TOTAL AREA HARVESTED (HA)	42,804	13,318	586	1,539	43,390	14,857
TOTAL PRODUCTION (METRIC TONS)	7,223	1,417	313	2,375	7,536	3,792
YIELD PER HECTARE PLANTED (KG)	**114**	**23**	**509**	**714**	**118**	**58**
YIELD PER HECTARE HARVESTED (KG)	**169**	**106**	**534**	**1,543**	**174**	**255**
MILLET:- TOTAL HOLDINGS	12,972	6,565	-	2	12,972	6,567
TOTAL AREA PLANTED (HA)	7,113	4,981	-	93	7,113	5,074
TOTAL AREA HARVESTED (HA)	6,423	2,750	-	93	6,423	2,843
TOTAL PRODUCTION (METRIC TONS)	2,697	513	-	42	2,697	555
YIELD PER HECTARE PLANTED (KG)	**379**	**103**	**-**	**452**	**379**	**109**
YIELD PER HECTARE HARVESTED (KG)	**420**	**187**	**-**	**452**	**420**	**195**
BEANS/PULSES:- TOTAL HOLDINGS	44,478	36,595	14	54	44,492	36,649
TOTAL AREA PLANTED (HA)	15,284	22,573	535	9,810	15,819	32,383
TOTAL AREA HARVESTED (HA)	7,702	5,639	428	9,596	8,130	15,235
TOTAL PRODUCTION (METRIC TONS)	2,049	796	128	6,391	2,177	7,187
YIELD PER HECTARE PLANTED (KG)	**134**	**35**	**239**	**651**	**138**	**222**
YIELD PER HECTARE HARVESTED (KG)	**266**	**141**	**299**	**666**	**268**	**472**
GROUNDNUTS:- TOTAL HOLDINGS	6,035	7,089	-	1	6,035	7,090
TOTAL AREA PLANTED (HA)	1,093	2,111	-	5	1,093	2,116
TOTAL AREA HARVESTED (HA)	558	631	-	5	558	636
TOTAL PRODUCTION (METRIC TONS)	270	150	-	1	270	151
YIELD PER HECTARE PLANTED (KG)	**247**	**71**	**-**	**200**	**247**	**71**
YIELD PER HECTARE HARVESTED (KG)	**484**	**238**	**-**	**200**	**484**	**237**
SUNFLOWER:- TOTAL HOLDINGS	456	1,428	17	2	473	1,430
TOTAL AREA PLANTED (HA)	195	328	2,756	1,385	2,951	1,713
TOTAL AREA HARVESTED (HA)	115	235	2,741	1,385	2,856	1,620
TOTAL PRODUCTION (METRIC TONS)	22	68	465	1,320	487	1,388
YIELD PER HECTARE PLANTED (KG)	**113**	**207**	**169**	**953**	**165**	**810**
YIELD PER HECTARE HARVESTED (KG)	**191**	**289**	**170**	**953**	**171**	**857**

TRADITIONAL SECTOR: CROP PRODUCTION

TABLE 11.1: LAND HOLDINGS, LAND AREA (HECTARES) AND FIELDS BY GENDER AND DISTRICT

District	Land Holdings		Total Land Holdings	Land Area (HA)		Total Land Area (HA)	Land Area Per Holding (HA)	Total Fields		Total Fields	Number of Fields Per Holding
	Male Owned	Female Owned		Male Owned	Female Owned			Male Owned	Female Owned		
Ngwaketse	2,315	1,030	3,345	33,584.03	10,776.28	44,360.31	13	3,735	1,539	5,274	2
Barolong	1,344	703	2,047	10,058.65	3,775.13	13,833.78	7	1,991	1,000	2,991	1
Ngwaketse West	179	91	270	2,566.02	740.84	3,306.86	12	311	158	469	2
South East	446	175	621	1,198.57	479.25	1,677.82	3	655	346	1,001	2
Kweneng East	3,250	1,680	4,931	13,056.36	5,909.03	18,965.40	4	4,492	2,209	6,701	1
Kweneng West	1,162	552	1,714	7,854.31	2,587.18	10,441.49	6	2,130	1,096	3,226	2
Kgatleng	1,128	393	1,522	6,283.52	1,922.35	8,205.87	5	2,154	816	2,970	2
Central Serowe/ Palapye	2,350	1,410	3,760	13,653.84	6,802.60	20,456.45	5	3,842	2,286	6,128	2
Central Mahalapye	2,156	1,075	3,230	12,308.22	5,834.16	18,142.37	6	3,205	1,761	4,966	2
Central Bobonong	1,663	1,034	2,698	9,247.22	3,593.94	12,841.16	5	2,558	1,501	4,059	2
Central Boteti	634	292	925	1,905.85	746.83	2,652.69	3	855	314	1,169	1
Central Tutume	4,374	2,449	6,823	17,495.94	7,144.44	24,640.38	4	5,805	2,953	8,758	1
North East	1,409	1,921	3,331	4,198.05	5,195.28	9,393.32	3	1,736	2,387	4,123	1
Ngamiland East	634	440	1,074	1,029.47	628.63	1,658.10	2	775	497	1,272	1
Ngamiland West	1,880	1,927	3,807	6,110.40	4,873.94	10,984.34	3	2,139	2,033	4,172	1
Chobe	206	169	375	1,570.09	547.64	2,117.73	6	234	188	422	1
Ghanzi	171	78	249	293.19	102.14	395.32	2	244	113	357	1
Kgalagadi South	49	51	101	188.13	181.76	369.90	4	91	199	290	3
Kgalagadi North	154	68	221	351.47	170.55	522.03	2	256	110	366	2
TOTAL TRADITIONAL	**25,505**	**15,538**	**41,043**	**142,953.33**	**62,011.98**	**204,965.31**	**5**	**37,210**	**21,506**	**58,716**	**1**

TABLE 11.2: HOLDINGS PLANTED AND AREA PLANTED (HECTARES) BY GENDER AND DISTRICT

District	Holdings Planted		Total Holdings Planted	Area Planted (HA)		Total Area Planted (HA)	Area Planted Per Crop Holding(HA)	Total Fields Planted		Total Fields Planted	Fields Planted Per Holding
	Male Owned	Female Owned		Male Owned	Female Owned			Male Owned	Female Owned		
Ngwaketse	1,808	812	2,620	16,713	4,862	21,575	8	3,228	1,221	4,449	2
Barolong	1,169	654	1,823	7,995	3,429	11,424	6	1,807	931	2,738	2
Ngwaketse West	125	68	193	1,189	501	1,690	9	264	142	406	2
South East	389	152	540	997	415	1,413	3	591	328	919	2
Kweneng East	2,437	1,267	3,704	8,645	3,951	12,596	3	3,656	1,808	5,463	1
Kweneng West	1,059	513	1,572	7,086	2,429	9,514	6	2,030	1,094	3,124	2
Kgatleng	822	281	1,103	3,851	1,275	5,126	5	1,808	687	2,495	2
Central Serowe/ Palapye	1,734	1,043	2,777	8,312	4,166	12,477	4	3,185	1,873	5,058	2
Central Mahalapye	1,608	783	2,390	7,482	3,250	10,732	4	2,604	1,444	4,048	2
Central Bobonong	1,179	708	1,887	3,832	1,880	5,712	3	2,053	1,222	3,275	2
Central Boteti	403	180	583	1,097	375	1,472	3	621	257	877	2
Central Tutume	3,228	1,868	5,096	10,827	4,705	15,532	3	4,826	2,452	7,278	1
North East	1,055	1,404	2,459	2,980	2,952	5,933	2	1,374	1,874	3,248	1
Ngamiland East	341	318	659	506	346	852	1	467	392	859	1
Ngamiland West	1,064	1,064	2,128	2,716	2,372	5,088	2	1,273	1,229	2,502	1
Chobe	133	110	243	956	378	1,333	5	164	124	288	1
Ghanzi	121	52	173	223	78	301	2	198	87	286	2
Kgalagadi South	16	29	44	50	100	150	3	52	199	251	6
Kgalagadi North	107	47	155	207	122	329	2	207	89	296	2
TOTAL TRADITIONAL	**18,798**	**11,352**	**30,150**	**85,666**	**37,585**	**123,251**	**4**	**30,409**	**17,451**	**47,860**	**2**

TABLE 11.3: HOLDINGS PLANTED BY TYPE OF CROP AND DISTRICT

District	Sorghum	Maize	Beans\ Pulses	Millet	Sunflower	Groundnuts	Watermelons	Melons	Sweet reeds	Other Crops
Ngwaketse	439	3,029	2,372	27	8	69	613	126	548	78
Barolong	416	2,077	1,664	-	9	45	282	65	223	42
Ngwaketse West	30	207	217	-	-	5	63	26	57	-
South East	234	601	527	-	8	34	83	12	106	3
Kweneng East	1,221	3,993	5,137	23	29	262	2,631	590	2,291	261
Kweneng West	836	2,016	2,118	26	52	348	1,234	526	1,070	156
Kgatleng	619	1,363	1,638	102	46	104	882	455	485	251
Central Serowe/ Palapye	2,181	2,813	3,526	156	207	410	1,669	1,191	985	484
Central Mahalapye	2,629	2,531	4,058	227	118	394	1,936	1,195	709	205
Central Bobonong	1,276	1,816	2,506	216	252	813	1,647	638	833	604
Central Boteti	184	599	604	58	11	112	478	196	252	129
Central Tutume	4,066	4,448	5,368	2,819	477	2,318	2,622	1,047	1,369	958
North East	2,483	2,516	3,601	1,545	183	1,318	1,902	1,542	1,304	230
Ngamiland East	164	694	705	80	5	104	476	109	312	72
Ngamiland West	1,206	1,887	2,039	1,260	15	708	1,030	598	655	474
Chobe	156	170	97	8	2	5	52	25	61	10
Ghanzi	14	183	167	15	-	8	80	96	51	4
Kgalagadi South	10	90	82	-	3	9	39	25	16	3
Kgalagadi North	62	122	166	2	3	20	71	117	46	9
TOTAL TRADITIONAL	**18,226**	**31,154**	**36,595**	**6,565**	**1,428**	**7,089**	**17,788**	**8,579**	**11,371**	**3,973**

TABLE 11.4: AREA PLANTED (HECTARES) BY TYPE OF CROP AND DISTRICT

District	Sorghum	Maize	Beans\ Pulses	Millet	Sunflower	Groundnuts	Water Melons	Melons	Sweet reeds	Other Crops	Total Area Planted
Ngwaketse	1,596	15,949	3,588	31	3	21	126	16	116	129	21,575
Barolong	1,484	7,911	1,644	-	8	64	49	17	118	130	11,424
Ngwaketse West	60	968	587	-	-	3	27	13	33	-	1,690
South East	309	821	241	-	4	3	19	0	16	0	1,413
Kweneng East	1,528	7,461	2,642	11	16	73	200	28	383	255	12,596
Kweneng West	1,322	5,294	1,969	15	24	154	141	33	272	290	9,514
Kgatleng	964	2,586	971	60	15	26	86	31	93	294	5,127
Central Serowe/ Palapye	3,669	4,647	2,579	122	62	182	370	136	281	429	12,477
Central Mahalapye	3,282	3,650	2,617	148	14	139	358	121	175	228	10,732
Central Bobonong	1,145	2,105	1,158	128	36	333	248	63	170	326	5,712
Central Boteti	148	908	213	25	-	8	71	20	44	34	1,472
Central Tutume	4,061	4,777	2,093	2,589	124	676	373	106	264	468	15,532
North East	1,726	1,840	880	734	14	264	138	85	184	69	5,933
Ngamiland East	74	495	172	22	1	5	27	23	30	4	852
Ngamiland West	979	1,727	792	1,079	2	151	127	71	122	37	5,088
Chobe	836	292	178	2	3	0	2	8	11	0	1,333
Ghanzi	9	180	81	14	-	1	6	6	3	0	301
Kgalagadi South	3	80	36	-	1	3	15	7	5	1	150
Kgalagadi North	28	113	131	1	-	5	13	24	11	4	329
TOTAL TRADITIONAL	**23,223**	**61,803**	**22,573**	**4,981**	**328**	**2,111**	**2,395**	**809**	**2,330**	**2,699**	**123,251**

TABLE 11.5: AREA HARVESTED (HECTARES) BY TYPE OF CROP AND DISTRICT

District	Sorghum	Maize	Beans\ Pulses	Millet	Sunflower	Groundnuts	Water melons	Melons	Sweet reeds	Other Crops	Total Area Harvested
Ngwaketse	374	2,150	767	-	-	1	3	0	5	37	3,338
Barolong	51	867	263	-	-	2	2	0	5	47	1,236
Ngwaketse West	5	124	121	-	-	-	0	0	6	-	256
South East	146	118	58	-	2	1	3	-	3	-	332
Kweneng East	279	1,365	554	0	4	17	30	3	50	122	2,425
Kweneng West	372	2,024	725	8	2	20	45	13	49	88	3,346
Kgatleng	123	281	61	2	5	1	10	2	1	81	567
Central Serowe/ Palapye	799	1,298	540	41	24	49	87	28	26	162	3,054
Central Mahalapye	821	846	724	7	13	40	97	29	20	69	2,667
Central Bobonong	408	537	433	61	37	91	110	29	32	121	1,860
Central Boteti	58	362	78	5	0	4	29	10	5	11	562
Central Tutume	2,780	2,428	785	2,187	129	295	123	37	80	231	9,075
North East	971	610	273	318	18	104	23	29	49	33	2,429
Ngamiland East	18	110	57	4	1	1	10	0	7	0	209
Ngamiland West	38	82	16	111	0	1	3	2	1	13	268
Chobe	670	39	88	-	-	0	0	0	-	0	798
Ghanzi	1	43	18	5	-	1	1	2	0	-	70
Kgalagadi South	-	-	7	-	-	-	-	-	-	-	7
Kgalagadi North	11	31	71	-	-	2	3	18	5	1	143
TOTAL TRADITIONAL	**7,925**	**13,318**	**5,639**	**2,750**	**235**	**631**	**578**	**203**	**346**	**1,016**	**32,641**

TABLE 11.6: TOTAL PRODUCTION (METRIC TONS) BY TYPE OF CROP AND DISTRICT

District	Sorghum	Maize	Beans\ Pulses	Millet	Sunflower	Groundnuts	Watermelons	Melons	Sweet reeds	Other Crops
Ngwaketse	46	268	75	-	-	1	45	2	10	17
Barolong	4	87	32	-	-	0	5	1	2	8
Ngwaketse West	1	8	13	-	-	-	0	0	3	-
South East	22	21	8	-	0	0	5	-	4	-
Kweneng East	32	117	39	0	1	10	255	35	175	50
Kweneng West	77	217	86	2	1	5	274	206	162	53
Kgatleng	7	20	9	0	1	5	145	69	16	54
Central Serowe/ Palapye	56	126	85	6	10	7	441	275	58	128
Central Mahalapye	85	59	82	1	5	7	673	248	23	67
Central Bobonong	53	68	54	7	22	22	1,263	286	136	176
Central Boteti	6	52	11	1	1	1	320	62	27	36
Central Tutume	666	262	140	429	24	65	446	161	356	518
North East	137	61	46	44	4	24	127	205	108	27
Ngamiland East	3	22	25	2	0	1	131	5	63	-
Ngamiland West	14	16	2	20	-	0	85	17	4	-
Chobe	719	3	61	-	-	0	8	1	-	-
Ghanzi	0	4	5	0	-	3	4	42	2	-
Kgalagadi South	-	-	1	-	-	-	-	-	-	-
Kgalagadi North	1	5	22	-	-	0	8	92	24	3
TOTAL TRADITIONAL	**1,927**	**1,417**	**796**	**513**	**68**	**150**	**4,235**	**1,707**	**1,171**	**1,135**

TABLE 11.7: YIELD PER HECTARE PLANTED (KG/HA) BY TYPE OF CROP AND DISTRICT

District	Sorghum	Maize	Beans \ Pulses	Millet	Sunflower	Groundnuts	Watermelons	Melons	Sweet reeds	Other Crops
Ngwaketse	29	17	21	-	-	27	356	132	82	129
Barolong	3	11	20	-	-	2	100	57	19	59
Ngwaketse West	9	8	23	-	-	-	13	20	80	-
South East	72	26	34	-	14	105	259	-	234	-
Kweneng East	21	16	15	7	37	134	1,277	1,243	457	195
Kweneng West	58	41	44	105	40	31	1,943	6,201	595	183
Kgatleng	7	8	9	1	42	189	1,681	2,189	169	182
Central Serowe/ Palapye	15	27	33	51	165	38	1,193	2,018	206	297
Central Mahalapye	26	16	31	7	328	54	1,877	2,044	134	295
Central Bobonong	46	32	47	59	615	65	5,092	4,566	800	539
Central Boteti	37	57	53	24	-	91	4,489	3,106	617	1,052
Central Tutume	164	55	67	166	192	96	1,196	1,511	1,348	1,107
North East	79	33	52	60	271	91	920	2,420	588	387
Ngamiland East	47	45	143	93	239	133	4,885	237	2,106	-
Ngamiland West	14	9	2	19	-	0	672	236	29	-
Chobe	861	12	344	-	-	143	3,695	174	-	-
Ghanzi	3	24	63	20	-	3,143	651	6,516	481	-
Kgalagadi South	-	-	18	-	-	-	-	-	-	-
Kgalagadi North	46	45	169	-	-	15	579	3,872	2,271	844
TOTAL TRADITIONAL	**83**	**23**	**35**	**103**	**209**	**71**	**1,768**	**2,109**	**503**	**420**

TABLE 11.8: YIELD PER HECTARE HARVESTED (KG/HA) BY TYPE OF CROP AND DISTRICT

Census District	Sorghum	Maize	Millet	Beans \ Pulses	Sunflower	Groundnuts	Watermelons	Melons	Sweet reeds	Other Crops
Ngwaketse	122	125	97	-	-	625	12,813	5,589	2,067	454
Barolong	77	101	123	-	-	63	3,209	25,000	425	161
Ngwaketse West	102	62	111	-	-	-	2,500	1,429	407	-
South East	152	179	140	-	32	183	1,603	-	1,285	-
Kweneng East	113	86	70	263	129	561	8,604	13,619	3,495	407
Kweneng West	206	107	119	207	546	234	6,063	15,319	3,312	603
Kgatleng	54	72	143	44	123	8,640	15,246	39,710	10,683	663
Central Serowe/ Palapye	70	97	157	152	429	141	5,085	9,790	2,210	788
Central Mahalapye	103	69	113	146	343	184	6,925	8,451	1,155	974
Central Bobonong	129	126	126	122	595	238	11,479	9,858	4,290	1,451
Central Boteti	95	142	144	114	5,813	196	11,104	6,456	5,714	3,269
Central Tutume	240	108	178	196	186	220	3,626	4,295	4,438	2,243
North East	141	100	167	138	216	231	5,472	6,944	2,185	800
Ngamiland East	198	200	429	508	351	694	13,563	10,835	8,603	-
Ngamiland West	363	199	92	182	-	53	30,141	11,125	3,022	-
Chobe	1,074	86	693	-	-	250	190,905	19,677	-	-
Ghanzi	36	101	291	56	-	3,392	5,645	24,059	7,236	-
Kgalagadi South	-	-	91	-	-	-	-	-	-	-
Kgalagadi North	117	161	312	-	-	45	2,219	5,068	4,469	3,541
TOTAL TRADITIONAL	**243**	**106**	**141**	**186**	**291**	**238**	**7,325**	**8,397**	**3,383**	**1,117**

TABLE 11.9: SORGHUM CROP PRODUCTION DISPOSAL (Metric Tons)_ (Consumption, Stored, Given Away, Payment in Kind and Sales/traded) BY DISTRICT

District	Home Consumption	Stored	Given Away	Payment in Kind	Traded/Sold	Total Sorghum Production
Ngwaketse	6	11	3	4	22	46
Barolong	1	2	0	-	1	4
Ngwaketse West	1	-	-	-	-	1
South East	14	6	0	-	2	22
Kweneng East	25	4	1	1	1	32
Kweneng West	18	40	1	2	16	77
Kgatleng	2	4	0	0	-	7
Central Serowe/ Palapye	32	16	4	2	1	56
Central Mahalapye	47	24	8	2	3	85
Central Bobonong	31	14	4	0	4	53
Central Boteti	3	1	1	0	-	6
Central Tutume	202	358	13	31	62	666
North East	56	61	6	4	9	137
Ngamiland East	2	1	0	-	-	3
Ngamiland West	6	1	4	0	3	14
Chobe	11	48	1	12	647	719
Ghanzi	-	0	-	-	-	0
Kgalagadi South	-	-	-	-	-	-
Kgalagadi North	1	0	0	-	0	1
TOTAL TRADITIONAL	**458**	**592**	**47**	**60**	**771**	**1,927**

TABLE 11.10 MAIZE CROP PRODUCTION DISPOSAL(Metric Tons)_ (Consumption, Stored, Given Away, Payment in Kind and Sales/traded) BY DISTRICT

District	Home Consumption	Stored	Given Away	Payment in Kind	Traded/Sold	Total Maize Production
Ngwaketse	73	118	10	10	57	268
Barolong	24	40	4	1	17	87
Ngwaketse West	2	4	0	0	1	8
South East	5	2	0	-	13	21
Kweneng East	58	27	4	2	28	119
Kweneng West	69	79	11	9	47	216
Kgatleng	14	3	1	-	2	20
Central Serowe/ Palapye	68	30	8	5	19	129
Central Mahalapye	35	17	2	1	2	57
Central Bobonong	33	12	6	1	14	66
Central Boteti	27	17	6	1	1	51
Central Tutume	99	142	4	2	16	262
North East	29	20	3	1	8	61
Ngamiland East	11	5	3	1	2	22
Ngamiland West	4	10	1	1	1	16
Chobe	2	0	0	-	1	3
Ghanzi	1	1	0	0	2	4
Kgalagadi South	-	-	-	-	-	-
Kgalagadi North	2	1	1	0	1	5
						-
TOTAL TRADITIONAL	**555**	**530**	**64**	**36**	**231**	**1,417**

TABLE 11.11 MILLET CROP PRODUCTION DISPOSAL (Metric Tons)_ (Consumption, Stored, Given Away, Payment in Kind and Sales/traded) BY DISTRICT

District	Home Consumption	Stored	Given Away	Payment in Kind	Traded/Sold	Total Millet Production
Ngwaketse	-	-	-	-	-	-
Barolong	-	-	-	-	-	-
Ngwaketse West	-	-	-	-	-	-
South East	-	-	-	-	-	-
Kweneng East	0	-	-	-	-	0
Kweneng West	1	1	-	-	-	2
Kgatleng	1	0	-	-	-	1
Central Serowe/ Palapye	3	2	0	0	0	6
Central Mahalapye	0	0	-	-	-	1
Central Bobonong	49	3	0	0	0	53
Central Boteti	4	0	-	-	-	4
Central Tutume	137	230	15	1	1	383
North East	15	25	0	1	1	42
Ngamiland East	1	0	0	-	1	2
Ngamiland West	4	10	1	2	-	18
Chobe	-	-	-	-	0	0
Ghanzi	-	-	-	-	-	-
Kgalagadi South	-	-	-	-	-	-
Kgalagadi North	-	-	-	-	-	-
TOTAL TRADITIONAL	**216**	**271**	**17**	**5**	**4**	**513**

TABLE 11.12 PULSES PRODUCTION DISPOSAL (Metric Tons)_ (Consumption, Stored, Given Away, Payment in Kind and Sales/traded) BY DISTRICT

District	Home Consumption	Stored	Given Away	Payment in Kind	Traded/Sold	Total Pulses Production
Ngwaketse	28	12	3	2	29	75
Barolong	7	4	2	1	19	32
Ngwaketse West	4	6	1	1	1	13
South East	5	1	1	0	1	8
Kweneng East	27	5	1	0	6	39
Kweneng West	30	17	4	3	32	86
Kgatleng	6	1	0	-	2	9
Central Serowe/ Palapye	56	11	5	0	13	85
Central Mahalapye	46	19	3	0	14	82
Central Bobonong	33	9	3	1	8	54
Central Boteti	5	4	0	0	2	11
Central Tutume	41	89	2	1	7	140
North East	19	12	2	0	13	46
Ngamiland East	7	2	2	0	14	25
Ngamiland West	1	1	-	-	-	2
Chobe	0	1	0	4	56	61
Ghanzi	2	1	1	0	1	5
Kgalagadi South	1	-	-	-	-	1
Kgalagadi North	9	3	5	2	3	22
TOTAL TRADITIONAL	**325**	**197**	**35**	**16**	**222**	**796**

TABLE 11.13: HOLDINGS PLANTED BY SOURCES OF SEEDS AND DISTRICT

District	BAMB	Drought Relief	Cooperatives	Trader	Another Farmer	Previous Year Harvest	Seed Multiplication Unit	ISPAAD	Other Sources
Ngwaketse	212	-	58	315	156	954	5	2,313	25
Barolong	81	2	25	276	135	372	15	1,603	18
Ngwaketse West	11	-	1	13	22	77	2	174	
South East	129	2	1	175	74	119	-	313	
Kweneng East	166	-	249	439	1,167	2,064	16	3,130	4
Kweneng West	22	-	50	259	401	1,116	2	1,341	
Kgatleng	12	-	8	378	98	392	2	946	
Central Serowe/ Palapye	172	12	89	331	335	1,197	3	2,037	6
Central Mahalapye	142	6	62	261	245	1,363	25	1,643	5
Central Bobonong	47	71	114	507	307	1,154	6	1,317	6
Central Boteti	18	-	23	83	65	301	10	368	4
Central Tutume	95	111	23	870	330	3,439	93	2,329	22
North East	39	-	3	462	424	1,574	15	1,852	19
Ngamiland East	33	-	28	32	105	448	2	466	6
Ngamiland West	94	-	15	128	320	1,055	45	1,537	5
Chobe	34	-		3	40	52	4	204	3
Ghanzi		-		4	46	13	-	169	
Kgalagadi South		-	2	34	2	19	-	36	
Kgalagadi North	7	-	-	37	48	101	-	95	3
TOTAL TRADITIONAL	**1,315**	**204**	**752**	**4,609**	**4,320**	**15,812**	**245**	**21,874**	**125**

TABLE 11.14: LAND HOLDINGS BY PLANTING LOCATION (MOLAPO,DRY LAND OR BOTH) AND DISTRICT

District	Molapo	Dy Land	Both	Total Holdings
Ngwaketse	-	3,345	-	**3,345**
Barolong	-	2,047	-	**2,047**
Ngwaketse West	-	270	-	**270**
South East	-	621	-	**621**
Kweneng East	-	4,931	-	**4,931**
Kweneng West	-	1,714	-	**1,714**
Kgatleng	-	1,522	-	**1,522**
Central Serowe/ Palapye	-	3,760	-	**3,760**
Central Mahalapye	-	3,230	-	**3,230**
Central Bobonong	-	2,698	-	**2,698**
Central Boteti	-	925	-	**925**
Central Tutume	-	6,823	-	**6,823**
North East	-	3,331	-	**3,331**
Ngamiland East	119	865	18	**1,003**
Ngamiland West	445	2,921	205	**3,572**
Chobe	361	185	75	**621**
Ghanzi	60	249	-	**310**
Kgalagadi South	-	101	-	**101**
Kgalagadi North	-	221	-	**221**
TOTAL TRADITIONAL	**986**	**39,758**	**298**	**41,043**

TABLE 11.15: LAND HOLDINGS BY TYPE OF SOIL OF ARABLE LAND AND DISTRICT

District	Loamy soil	Clay Soil	Sandy Soil	Total Holdings
Ngwaketse	1,880	204.6	1,261	3,345
Barolong	676	444.3	927	2,047
Ngwaketse West	97	7.1	166	270
South East	256	108.4	256	621
Kweneng East	3,159	392.3	1,379	4,931
Kweneng West	378	162.4	1,174	1,714
Kgatleng	481	170.7	870	1,522
Central Serowe/ Palapye	1,664	889.6	1,207	3,760
Central Mahalapye	2,035	426.2	769	3,230
Central Bobonong	1,715	489.9	493	2,698
Central Boteti	448	127.3	350	925
Central Tutume	5,153	1,214.9	455	6,823
North East	2,816	304.2	210	3,331
Ngamiland East	192	269.6	612	1,074
Ngamiland West	1,593	570.1	1,644	3,807
Chobe	125	182.8	67	375
Ghanzi	46	15.5	188	249
Kgalagadi South	9	4.6	87	101
Kgalagadi North	8	30.6	183	221
TOTAL TRADITIONAL	**22,730**	**6,015**	**12,297**	**41,043**

TABLE 11.16 HOLDINGS BY FERTILIZER USE STATUS AND DISTRICT

District	YES	NO	Total Crop Holdings
Ngwaketse	1,816	804	***2,620***
Barolong	1,313	510	***1,823***
Ngwaketse West	44	150	***193***
South East	148	393	***540***
Kweneng East	793	2,911	***3,704***
Kweneng West	516	1,056	***1,572***
Kgatleng	351	752	***1,103***
Central Serowe/ Palapye	375	2,401	***2,777***
Central Mahalapye	225	2,165	***2,390***
Central Bobonong	186	1,701	***1,887***
Central Boteti	59	524	***583***
Central Tutume	1,184	3,912	***5,096***
North East	490	1,969	***2,459***
Ngamiland East	37	622	***659***
Ngamiland West	-	2,128	***2,128***
Chobe	68	174	***243***
Ghanzi	107	66	***173***
Kgalagadi South	1	43	***44***
Kgalagadi North	35	120	***155***
TOTAL TRADITIONAL	**7,748**	**22,402**	**30,150**

TABLE 11.17: HOLDINGS PLANTED BY DRAUGHT POWER USED AND DISTRICT

District	Oxen Only	Cows Only	Both Oxen and Cows	Donkeys	Tractor Farmer	Other Sources
Ngwaketse	8	4	-	721	1,970	6
Barolong	8	3	-	311	1,543	9
Ngwaketse West	-	-	-	128	72	
South East	-	-	-	68	479	6
Kweneng East	15	15	-	905	2,891	6
Kweneng West	28	27	-	266	1,266	8
Kgatleng	-	3	-	54	1,054	1
Central Serowe/ Palapye	-	3	2	857	2,018	7
Central Mahalapye	3	5	1	949	1,655	17
Central Bobonong	10	-	-	1,193	813	23
Central Boteti	13	-	-	393	185	18
Central Tutume	226	327	190	1,701	3,005	16
North East	1	97	22	1,011	1,568	16
Ngamiland East	13	3	-	484	139	33
Ngamiland West	910	89	3	1,061	65	41
Chobe	6	3	-	7	226	2
Ghanzi	-	-	-	143	27	4
Kgalagadi South	3	-	-	37	5	-
Kgalagadi North	5	-	1	91	50	7
TOTAL TRADITIONAL	**1,249**	**578**	**218**	**10,379**	**19,031**	**220**

TABLE 11.18: HOLDINGS PLANTED BY PROVISION OF DRAUGHT POWER USED AND DISTRICT

District	Self/Family	Borrowed	Self Plus Borrowed	Mafisa	Individual Hired	ISPAAD	Other
Ngwaketse	877	455	4	-	328	1052	8
Barolong	379	54	8	-	686	759	-
Ngwaketse West	137	5	4	-	3	56	-
South East	86	20	-	-	40	412	-
Kweneng East	1,017	161	43	3	954	1704	-
Kweneng West	369	616	13	11	423	164	-
Kgatleng	125	8	8	-	121	863	-
Central Serowe/ Palapye	949	150	16	3	925	860	-
Central Mahalapye	976	76	38	8	740	739	10
Central Bobonong	1,191	122	19	11	296	422	-
Central Boteti	382	69	1	15	145	23	2
Central Tutume	2,427	322	175	11	2046	295	2
North East	993	116	46		1227	276	3
Ngamiland East	400	38	2	3	215	19	1
Ngamiland West	1,626	304	50	1	133	44	-
Chobe	16	11	3	-	75	123	27
Ghanzi	117	26	-	-	20	11	-
Kgalagadi South	35	-	-	-	9	-	-
Kgalagadi North	102	11	-	-	21	26	-
TOTAL TRADITIONAL	**12,203**	**2,563**	**430**	**65**	**8,408**	**7,847**	**54**

TABLE 11.19: HOLDINGS PLANTED BY PAYMENT OF DRAUGHT POWER USED AND DISTRICT

District	Self/Family	ISPAAD	Both (ISPAAD & Self)	Other
Ngwaketse	308	2,190	141	10
Barolong	99	1,690	42	15
Ngwaketse West	16	169	6	4
South East	82	450	11	-
Kweneng East	1,411	2,189	118	35
Kweneng West	240	1,281	47	17
Kgatleng	194	858	52	10
Central Serowe/ Palapye	1,411	1,070	180	146
Central Mahalapye	1,038	1,182	209	48
Central Bobonong	581	1,206	127	28
Central Boteti	392	171	10	14
Central Tutume	2,795	648	1,693	27
North East	1,521	740	222	18
Ngamiland East	564	97	6	9
Ngamiland West	1,605	552	18	1
Chobe	69	168	11	4
Ghanzi	114	55	3	4
Kgalagadi South	8	31	5	-
Kgalagadi North	105	48	2	-
TOTAL TRADITIONAL	**12,553**	**14,796**	**2,904**	**389**

TABLE 11.20: HOLDINGS PLANTED BY IMPLEMENTS USED AND DISTRICT

District	Hoe	Single Plough	Double Plough	Other
Ngwaketse	23	510	624	1,518
Barolong	12	181	1,186	457
Ngwaketse West	4	54	77	66
South East	7	69	433	37
Kweneng East	62	721	1,098	1,873
Kweneng West	4	176	234	1,166
Kgatleng	-	11	247	852
Central Serowe/ Palapye	36	593	877	1,301
Central Mahalapye	164	348	875	1,077
Central Bobonong	39	994	329	602
Central Boteti	26	370	57	148
Central Tutume	292	2,170	2,625	325
North East	76	1,021	201	1,216
Ngamiland East	26	473	115	56
Ngamiland West	153	1,905	89	8
Chobe	-	11	25	206
Ghanzi	7	138	28	-
Kgalagadi South	3	-	40	2
Kgalagadi North	3	76	63	14
TOTAL TRADITIONAL	**938**	**9,822**	**9,223**	**10,924**

TABLE 11.21: HOLDINGS PLANTED BY METHODS USED TO PLANT SEEDS AND DISTRICT

District	Broadcasting	Row Planting	Row Planting by Hand	Other
Ngwaketse	32	231	2	1
Barolong	8	172	3	-
Ngwaketse West	2	12	6	-
South East	6	48	1	-
Kweneng East	148	235	3	1
Kweneng West	26	126	6	2
Kgatleng	18	94	1	-
Central Serowe/ Palapye	166	125	5	-
Central Mahalapye	136	119	20	2
Central Bobonong	57	69	73	-
Central Boteti	40	18	3	1
Central Tutume	212	121	189	2
North East	120	99	43	-
Ngamiland East	51	14	4	-
Ngamiland West	106	71	42	-
Chobe	4	21	1	-
Ghanzi	10	6	2	-
Kgalagadi South	1	1	3	-
Kgalagadi North	7	8	1	-
TOTAL TRADITIONAL	**1,150**	**1,590**	**408**	**8**

TABLE 11.22: HOLDINGS PLANTED BY WEEDING STATUS AND DISTRICT

District	YES Number	NO Number	Total Holdings Planted
Ngwaketse	2,280	340	**2,620**
Barolong	1,557	266	**1,823**
Ngwaketse West	162	31	**193**
South East	467	74	**540**
Kweneng East	3,352	352	**3,704**
Kweneng West	1,465	107	**1,572**
Kgatleng	896	206	**1,103**
Central Serowe/ Palapye	2,581	196	**2,777**
Central Mahalapye	2,241	150	**2,390**
Central Bobonong	1,802	85	**1,887**
Central Boteti	532	51	**583**
Central Tutume	4,892	205	**5,096**
North East	2,426	33	**2,459**
Ngamiland East	614	45	**659**
Ngamiland West	1,962	166	**2,128**
Chobe	196	47	**243**
Ghanzi	130	43	**173**
Kgalagadi South	39	6	**44**
Kgalagadi North	124	31	**155**
TOTAL TRADITIONAL	**27,717**	**2,433**	**30,150**

TABLE 11.23: NUMBER OF HOLDINGS BY WEEDING FREQUENCY AND DISTRICT

District	Once	2 times	3 times	4 and above	Total Holdings
Ngwaketse	1,780	351	110	39	**2,280**
Barolong	1,019	430	88	21	**1,557**
Ngwaketse West	115	37	10	-	**162**
South East	440	19	3	5	**467**
Kweneng East	2,879	395	72	6	**3,352**
Kweneng West	1,272	152	37	4	**1,465**
Kgatleng	625	226	42	3	**896**
Central Serowe/ Palapye	2,095	368	99	19	**2,581**
Central Mahalapye	1,733	387	118	2	**2,241**
Central Bobonong	1,212	461	87	43	**1,802**
Central Boteti	300	207	17	8	**532**
Central Tutume	3,862	920	94	16	**4,892**
North East	2,248	139	37	2	**2,426**
Ngamiland East	253	289	62	10	**614**
Ngamiland West	992	693	245	31	**1,962**
Chobe	137	49	6	4	**196**
Ghanzi	66	48	15	1	**130**
Kgalagadi South	20	9	7	3	**39**
Kgalagadi North	59	39	20	6	**124**
TOTAL TRADITIONAL	**21,108**	**5,218**	**1,169**	**223**	**27,717**

TABLE 11.24: LAND HOLDINGS BY FENCING STATUS AND DISTRICT

District	YES		NO		Total Land Holdings
	Number	Percentage	Number	Percentage	
Ngwaketse	3,289		56		**3,345**
Barolong	1,850		197		**2,047**
Ngwaketse West	267		3		**270**
South East	447		173		**621**
Kweneng East	4,850		80		**4,931**
Kweneng West	1,698		17		**1,714**
Kgatleng	1,519		3		**1,522**
Central Serowe/ Palapye	3,668		92		**3,760**
Central Mahalapye	3,196		34		**3,230**
Central Bobonong	2,683		15		**2,698**
Central Boteti	875		50		**925**
Central Tutume	6,447		376		**6,823**
North East	3,315		15		**3,331**
Ngamiland East	1,046		28		**1,074**
Ngamiland West	3,670		137		**3,807**
Chobe	220		155		**375**
Ghanzi	243		7		**249**
Kgalagadi South	87		14		**101**
Kgalagadi North	212		9		**221**
TOTAL TRADITIONAL	**39,581**		**1,462**		**41,043**

TABLE 11.25: LAND HOLDINGS BY REASONS FOR NOT PLOUGHING OR PLANTING AND DISTRICT

District	Lack of Rain	Lack of Money	Lack of Seeds	Lack of Labour	Lack of Draught Power	Underground Fire	Floods	Lack of Equipment	Poor Soil	Other Reasons
Ngwaketse	527	8	18	7	52	-	-	13	4	57
Barolong	136	3	6	1	6	-	-	11	-	10
Ngwaketse West	65		-	-	1	-	-	4	-	
South East	42		-	-	8	-	-	17	-	3
Kweneng East	793	46	27	49	163	-	3	124	18	66
Kweneng West	67	2	2	5	9	-	-	21	5	4
Kgatleng	277	6		7	22	-	-	14	3	15
Central Serowe/ Palapye	582	73	9	72	43	-	-	51	5	24
Central Mahalapye	660	18	14	60	67	-	2	19	2	20
Central Bobonong	638	15	4	43	60	-	-	6	4	
Central Boteti	134	3	2	10	13	-	3	9	5	71
Central Tutume	1,239	89	7	69	68	2	-	45	7	18
North East	501	121	-	59	106	6	-	47	3	53
Ngamiland East	170	8	-	8	6	-	12	5	3	6
Ngamiland West	768	12	5	110	50	5	9	32	5	3
Chobe	49	5	2	1	7	-	9	28	-	5
Ghanzi	24	1	-	-	0	-	-	-	-	1
Kgalagadi South	31	3	3	-	4	-	-	3	-	-
Kgalagadi North	56	2	1	7	3	-	-	6	-	-
TOTAL TRADITIONAL	**6,758**	**415**	**98**	**510**	**688**	**13**	**40**	**455**	**65**	**355**

COMMERCIAL SECTOR: CROP PRODUCTION

TABLE 12.1: TOTAL LAND HOLDINGS, LAND AREA, AREA PLANTED AND AREA HARVESTED (Hectares) BY BLOCK

BLOCK	Number of Land Holdings	Number of Holdings Planted	Number of Holdings Harvested	Total Land Area(ha)	Total Planted Area (ha)	Total Area Harvested (ha)	Area Planted Per Crop Holding (ha)	Area Harvested Per Crop Holding (ha)	Total Fallow Holdings	Total Fallow Area
Tuli Block	21	19	19	13,247	736	582	39	31	8	12,511
Tati Block	142	98	97	2,117	347	310	4	3	91	1,770
Gantsi Freehold	4	4	4	22	19	17	5	4	1	3
Molopo Freehold	-	-	-	-	-	-	-	-	-	-
Gaborone Freehold	38	38	36	154	84	49	2	1	25	70
Pandamatenga	39	39	39	29,701	26,403	26,385	677	677	22	3,298
Lobatse Freehold	3	2	2	22	12	6	6	3	1	10
Sand Veldt TGLP	6	4	4	52	6	4	2	1	4	46
Ngwaketse TGLP	27	23	17	9,080	6,837	4,334	297	255	11	2,243
Kgalagadi TGLP	2	2	2	12	12	6	6	3	-	-
Kweneng TGLP	13	13	10	192	28	12	2	1	10	164
Gantsi TGLP	-	-	-	-	-	-	-	-	-	-
Haina Veldt TGLP	-	-	-	-	-	-	-	-	-	-
Nata TGLP	1	1	1	2	2	2	2	2	-	-
Lepasha TGLP	1	1	1	2	1	0	1	0	1	1
Barolong Farms	-	-	-	-	-	-	-	-	-	-
Letlhakane TGLP	5	5	5	56	42	38	8	8	2	14
Kaka	3	3	3	33	33	24	11	8	-	-
Total Commercial	**305**	**252**	**240**	**54,691**	**34,562**	**31,769**	**137**	**132**	**176**	**20,129**

TABLE 12.2: HOLDINGS PLANTED BY TYPE OF CROP AND BLOCK

BLOCK	Sorghum	Maize	Beans/Pulses	Millet	Sunflower	Wheat	Tomatoes	Onions	Cabbage	Spinach	Carrots	Oranges	Naartjies	Lettuce	Chemolier	Beetroots	Pumpkins	Lab-Lab	Butternuts	Rape	Chillies/ Pepper	Groundnuts	Lucerne	Other
Tuli Block	-	1	1	-	-	-	5	2	3	-	1	6	2	-	-	1	-	1	2	1	1	-	1	7
Tati Block	1	27	1	-	-	1	47	35	56	28	11	7	1	2	4	21	-	-	26	60	16	-	-	28
Gantsi Freehold	-	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molopo Freehold	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gaborone Freehold	1	-	-	-	-	1	21	1	24	18	2	-	-	-	1	2	-	1	10	14	9	-	-	10
Pandamatenga	30	4	32	2	7	1	3	1	1	3	-	2	-	-	1	-	-	1	-	2	-	-	-	4
Lobatse Freehold	-	-	-	-	-	-	2	-	2	-	1	-	-	-	-	-	-	-	2	-	1	-	-	-
Sand Veldt TGLP	-	1	-	-	-	-	1	1	1	-	-	-	-	-	-	-	-	-	2	2	-	-	-	-
Ngwaketse TGLP	15	19	11	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1	-	-	-	1	1	1
Kgalagadi TGLP	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kweneng TGLP	-	-	-	-	-	-	6	3	7	2	3	1	-	-	-	1		1	-	4	-	-	1	1
Gantsi TGLP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haina Veldt TGLP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nata TGLP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
Lepasha TGLP	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barolong Farms	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Letlhakane TGLP	1	2	2	-	-	-	2	2	2	1	-	-	-	-	-	-	-	2	1	2	-	-	-	4
Kaka	1	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	1	-
Total Commercial	**49**	**59**	**54**	**2**	**7**	**3**	**88**	**45**	**97**	**52**	**18**	**16**	**3**	**2**	**6**	**25**	**-**	**10**	**43**	**85**	**27**	**1**	**4**	**55**

TABLE 12.3. AREA PLANTED (hectares) BY TYPE OF CROP AND BLOCK

BLOCK	Sorghum	Maize	Beans/Pulses	Millet	Sunflower	Tomatoes	Onions	Cabbage	Spinach	Carrots	Oranges	Naartjies	Lettuce	Chemolier	Beetroots	Pumpkins	Lab-Lab (Grass)	Butternuts	Rape	Chillies/ Pepper	Groundnuts	Lucerne	Other
Tuli Block	-	13	1	-	-	47	41	52	-	100	171	7	-	-	50	-	4	1	1	16	-	74	158
Tati Block	2	57	2	-	-	36	20	54	6	8	5	-	1	3	16	-	-	22	28	7	-	-	82
Gantsi Freehold	-	10	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molopo Freehold	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gaborone Freehold	-	-	-	-	-	12	1	25	5	1	-	-	-	-	-	-	4	22	9	3	-	-	2
Pandamatenga	15,077	54	9,541	93	1,385	5	2	1	1	-	218	-	-	1	-	-	10	-	1	-	-	-	16
Lobatse Freehold	-	-	-	-	-	2	-	5	-	1	-	-	-	-	-	-	-	5	-	-	-	-	-
Sand Veldt TGLP	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-
Ngwaketse TGLP	3,373	3,182	241	-	-	-	-	1	-	-	-	-	-	-	-	-	15	-	-	-	5	20	1
Kgalagadi TGLP	-	-	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kweneng TGLP	-	-	-	-	-	6	2	10	-	1	3	-	-	-	-	-	1	-	2	-	-	2	1
Gantsi TGLP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haina Veldt TGLP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nata TGLP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-
Lepasha TGLP	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barolong Farms	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Letlhakane TGLP	2	2	2	-	-	1	0	1	0	-	-	-	-	-	-	-	31	0	1	-	-	-	2
Kaka	10	5	3	-	-	-	-	-	-	-	-	-	-	-	-	-	7	-	-	-	-	8	-
Total Commercial	**18,464**	**3,326**	**9,810**	**93**	**1,385**	**109**	**65**	**147**	**13**	**111**	**396**	**7**	**1**	**3**	**66**	**-**	**74**	**50**	**44**	**25**	**5**	**104**	**261**

TABLE 12.4: HOLDINGS HARVESTED BY TYPE OF CROP AND BLOCK

BLOCK	Sorghum	Maize	Beans/Pulses	Millet	Sunflower	Wheat	Tomatoes	Onions	Cabbage	Spinach	Carrots	Oranges	Naartjies	Lettuce	Chemolier	Beetroots	Pumpkins	Lab-Lab (Grass)	Butternuts	Rape	Chillies/ Pepper	Groundnuts	Lucerne	Other
Tuli Block	-	1	1	-	-	-	5	1	6	-	1	5	2	-	-	1	-	1	2	1	1	-	1	4
Tati Block	1	22	-	-	-	1	43	33	52	27	10	7	1	2	4	19	-	-	25	60	13	-	-	27
Gantsi Freehold	-	2	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molopo Freehold	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gaborone Freehold	-	-	-	-	-	1	14	-	21	15	1	-	-	-	1	2	-	-	5	11	7	-	-	8
Pandamatenga	30	4	32	2	7	-	3	1	1	3	-	2	-	-	1	-	-	1	-	2	-	-	-	4
Lobatse Freehold	-	-	-	-	-	-	1	-	2	-	1	-	-	-	-	-	-	-	1	-	1	-	-	-
Sand Veldt TGLP	-	1	-	-	-	-	1	1	1	-	-	-	-	-	-	-	-	-	2	2	-	-	-	-
Ngwaketse TGLP	12	10	5	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1	-	-	-	1	-	1
Kgalagadi TGLP	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kweneng TGLP	-	-	-	-	-	-	5	2	5	1	2	-	-	-	-	1	-	-	-	4		-	-	1
Gantsi TGLP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Haina Veldt TGLP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Nata TGLP	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
Lepasha TGLP	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barolong Farms	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Letlhakane TGLP	-	1	2	-	-	-	2	2	2	1	-	-	-	-	-	-	-	2	1	2	-	-	-	4
Kaka	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-
Total Commercial	**44**	**41**	**47**	**2**	**7**	**2**	**75**	**40**	**91**	**47**	**15**	**14**	**3**	**2**	**6**	**23**	**-**	**7**	**36**	**82**	**22**	**1**	**2**	**49**

TABLE 12.5: AREA HARVESTED (hectares) BY TYPE OF CROP AND BLOCK

BLOCK	Sorghum	Maize	Beans/Pulses	Millet	Sunflower	Wheat	Tomatoes	Onions	Cabbage	Spinach	Carrots	Oranges	Naartjies	Lettuce	Chemolier	Beetroots	Pumpkins	Lab-Lab (Grass)	Butternuts	Rape	Chillies/ Pepper	Groundnuts	Lucerne	Other
Tuli Block	-	13	1	-	-	-	46	8	26	-	90	151	6	-	-	50	-	4	1	1	16	-	74	95
Tati Block	2	37	-	-	-	-	36	17	52	6	7	5	-	1	3	15	-	-	19	23	6	-	-	81
Gantsi Freehold	-	9	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molopo Freehold	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gaborone Freehold	-	-	-	-	-	-	8	-	15	4	-	-	-	-	-	-	-	-	11	7	2	-	-	1
Pandamatenga	15,072	54	9,541	93	1,385	-	5	2	1	1	-	206	-	-	-	-	-	10	-	1	-	-	-	16
Lobatse Freehold	-	-	-	-	-	-	-	-	5	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-
Sand Veldt TGLP	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-
Ngwaketse TGLP	2,854	1,423	36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15	-	-	-	5	-	1
Kgalagadi TGLP	-	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kweneng TGLP	-	-	-	-	-	-	2	1	7	-	-	-	-	-	-	-	-	-	-	2	-	-	-	1
Gantsi TGLP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haina Veldt TGLP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nata TGLP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-
Lepasha TGLP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barolong Farms	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Letlhakane TGLP	-	0	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31	0	1	-	-	-	2
Kaka	10	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	8	-
Total Commercial	**17,938**	**1,539**	**9,596**	**93**	**1,385**	**-**	**97**	**27**	**105**	**12**	**98**	**361**	**6**	**1**	**3**	**65**	**-**	**65**	**33**	**35**	**25**	**5**	**82**	**197**

TABLE 12.6: TOTAL PRODUCTION (metric tonnes) BY TYPE OF CROP AND BLOCK

BLOCK	Sorghum	Maize	Beans/Pulses	Millet	Sunflower	Wheat	Tomatoes	Onions	Cabbage	Spinach	Carrots	Oranges	Naartjies	Lettuce	Chemolier	Beetroots	Pumpkins	Lab-Lab (Grass)	Butternuts	Rape	Chillies/ Pepper	Groundnuts	Lucerne	Other
Tuli Block	-	1,625	20	-	-	-	1,897	20	2,013	-	11	3,136	28	-	-	6	-	4	9	105	8	-	991	154
Tati Block	22	301	-	-	-	-	1,539	656	2,532	113	88	59	1	62	23	187	-	-	469	1,257	328	-	-	485
Gantsi Freehold	-	21	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molopo Freehold	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gaborone Freehold	-	-	-	-	-	3	1,344	-	1,631	151	4	-	-	-	1	6	-	-	291	73	62	-	-	18
Pandamatenga	33,019	135	6,364	42	1,320	-	281	10	110	2	-	186	-	-	4	-	-	8	-	10	-	-	-	162
Lobatse Freehold	-	-	-	-	-	-	60	-	401	-	20	-	-	-	-	-	-	-	80	-	30	-	-	-
Sand Veldt TGLP	-	-	-	-	-	-	1	2	5	-	-	-	-	-	-	-	-	-	9	16	-	-	-	-
Ngwaketse TGLP	521	293	3	-	-	-	-	-	29	-	-	-	-	-	-	-	-	6	-	-	-	1	-	2
Kgalagadi TGLP	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kweneng TGLP	-	-	-	-	-	-	398	142	1,393	41	12	-	-	-	-	-	-	-	-	698	-	-	-	6
Gantsi TGLP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haina Veldt TGLP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nata TGLP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-	-	-	-	-	-
Lepasha TGLP	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barolong Farms	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Letlhakane TGLP	-	-	-	-	-	-	6	1	33	0	-	-	-	-	-	-	-	28	2	4	-	-	-	17
Kaka	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	-	-	-	-	15	-
Total Commercial	**33,581**	**2,375**	**6,390**	**42**	**1,320**	**3**	**5,528**	**831**	**8,147**	**307**	**134**	**3,381**	**29**	**62**	**28**	**199**	**-**	**57**	**859**	**2,163**	**427**	**1**	**1,006**	**843**

TRADITIONAL SECTOR–HOLDERS' CHARACTERISTICS

TABLE 13.1: NUMBER OF HOLDERS BY GENDER AND DISTRICT

District	Male		Female		Total Number of Holders
	Number	Percentage	Number	Percentage	
Ngwaketse	3,383	*8.3*	1,350	*6.1*	**4,733**
Barolong	2,955	*7.3*	2,047	9.2	**5,003**
Ngwaketse West	350	*0.9*	137	*0.6*	**487**
South East	654	*1.6*	250	*1.1*	**904**
Kweneng East	3,846	*9.5*	1,889	*8.5*	**5,735**
Kweneng West	2,204	*5.4*	946	*4.2*	**3,150**
Kgatleng	1,980	*4.9*	568	*2.5*	**2,548**
Central Serowe/ Palapye	3,522	*8.7*	1,789	*8.0*	**5,311**
Central Mahalapye	3,443	*8.5*	1,516	*6.8*	**4,959**
Central Bobonong	2,108	*5.2*	1,072	*4.8*	**3,181**
Central Boteti	1,562	*3.8*	611	*2.7*	**2,173**
Central Tutume	5,422	*13.3*	2,767	*12.4*	**8,189**
North East	2,149	*5.3*	2,691	*12.1*	**4,839**
Ngamiland East	1,673	*4.1*	986	*4.4*	**2,659**
Ngamiland West	2,660	*6.5*	2,448	*11.0*	**5,109**
Chobe	292	*0.7*	216	*1.0*	**509**
Ghanzi	1,050	*2.6*	369	*1.7*	**1,419**
Kgalagadi South	852	*2.1*	422	*1.9*	**1,275**
Kgalagadi North	581	*1.4*	214	*1.0*	**795**
TOTAL TRADITIONAL	**40,687**	**100.0**	**22,288**	**100.0**	**62,975**

TABLE 13.2: NUMBER OF HOLDERS BY MARITAL STATUS AND DISTRICT

District	Never Married	Married	Living together	Separated	Divorced	Widowed	Total holders
Ngwaketse	858	2,157	871	50	46	751	**4,733**
Barolong	1,404	1,919	607	18	69	986	**5,003**
Ngwaketse West	87	212	133	11	5	39	**487**
South East	169	486	70	2	4	172	**904**
Kweneng East	939	2,654	863	26	88	1,165	**5,735**
Kweneng West	441	1,551	664	32	44	418	**3,150**
Kgatleng	379	1,477	283	6	67	336	**2,548**
Central Serowe/ Palapye	1,077	2,452	853	27	62	839	**5,311**
Central Mahalapye	931	2,360	792	40	85	751	**4,959**
Central Bobonong	596	1,472	545	3	53	511	**3,181**
Central Boteti	459	1,093	233	12	86	289	**2,173**
Central Tutume	1,634	4,262	785	69	113	1,327	**8,189**
North East	1,092	1,767	555	55	144	1,226	**4,839**
Ngamiland East	695	915	593	29	46	380	**2,659**
Ngamiland West	1,808	1,373	1,265	156	115	392	**5,109**
Chobe	113	220	60	9	21	86	**509**
Ghanzi	384	308	589	13	37	87	**1,419**
Kgalagadi South	354	441	303	7	25	145	**1,275**
Kgalagadi North	217	204	316	5	17	36	**795**
TOTAL TRADITIONAL	**13,640**	**27,323**	**10,380**	**571**	**1,125**	**9,935**	**62,975**

TABLE 13.3: NUMBER OF MALE HOLDERS BY MARITAL STATUS AND DISTRICT

District	Never Married	Married	Living together	Separated	Divorced	Widowed	Total holders
Ngwaketse	512	1,968	721	28	23	131	**3,383**
Barolong	623	1,665	446	12	42	168	**2,955**
Ngwaketse West	34	195	99	3	2	16	**350**
South East	128	425	56	1	1	43	**654**
Kweneng East	488	2,488	634	6	47	182	**3,846**
Kweneng West	231	1,388	483	-	30	72	**2,204**
Kgatleng	239	1,366	229	5	42	99	**1,980**
Central Serowe/ Palapye	504	2,203	599	17	29	170	**3,522**
Central Mahalapye	489	2,161	611	16	49	118	**3,443**
Central Bobonong	280	1,344	347	3	33	102	**2,108**
Central Boteti	260	1,017	174	2	44	66	**1,562**
Central Tutume	916	3,651	606	27	56	167	**5,422**
North East	259	1,339	367	16	36	132	**2,149**
Ngamiland East	325	819	405	17	29	78	**1,673**
Ngamiland West	649	1,132	743	33	28	76	**2,660**
Chobe	29	200	45	2	4	11	**292**
Ghanzi	228	277	489	7	20	30	**1,050**
Kgalagadi South	156	404	235	7	12	39	**852**
Kgalagadi North	127	180	253	5	8	7	**581**
TOTAL TRADITIONAL	**6,474**	**24,222**	**7,541**	**205**	**537**	**1,707**	**40,687**

TABLE 13.4: NUMBER OF FEMALE HOLDERS BY MARITAL STATUS AND DISTRICT

District	Never Married	Married	Living together	Separated	Divorced	Widowed	Total holders
Ngwaketse	347	189	151	22	23	619	**1,350**
Barolong	781	254	161	6	27	818	**2,047**
Ngwaketse West	53	17	34	8	2	22	**137**
South East	41	61	14	2	3	129	**250**
Kweneng East	451	166	228	20	41	983	**1,889**
Kweneng West	211	162	181	32	14	345	**946**
Kgatleng	140	110	54	1	25	237	**568**
Central Serowe/ Palapye	573	249	254	10	33	670	**1,789**
Central Mahalapye	443	199	181	24	36	633	**1,516**
Central Bobonong	316	129	198	-	20	409	**1,072**
Central Boteti	199	76	59	11	42	224	**611**
Central Tutume	718	611	179	42	56	1,161	**2,767**
North East	834	429	187	39	108	1,094	**2,691**
Ngamiland East	371	96	188	12	16	302	**986**
Ngamiland West	1,159	240	523	123	87	316	**2,448**
Chobe	84	20	15	7	17	74	**216**
Ghanzi	157	31	100	7	17	57	**369**
Kgalagadi South	199	37	68	-	13	106	**422**
Kgalagadi North	90	24	63	-	8	29	**214**
TOTAL TRADITIONAL	**7,166**	**3,101**	**2,839**	**366**	**588**	**8,228**	**22,288**

TABLE 13.5: NUMBER OF HOLDERS BY AGE GROUP AND DISTRICT

District	12-14	15-19	20-24	25-29	30-34	35-39	40-49	50-59	60-64	65+	Total holders
Ngwaketse	-	6	48	64	175	284	774	1,169	666	1,548	**4,733**
Barolong	-	15	33	76	142	222	840	1,187	670	1,819	**5,003**
Ngwaketse West	-	-	4	8	23	47	124	140	62	79	**487**
South East	-	-	-	5	42	25	92	193	152	394	**904**
Kweneng East	-	3	20	60	134	231	935	1,335	740	2,276	**5,735**
Kweneng West	-	4	15	62	84	153	641	900	426	865	**3,150**
Kgatleng	-	1	4	18	37	72	411	580	296	1,130	**2,548**
Central Serowe/ Palapye	-	-	32	87	173	260	792	1,224	717	2,026	**5,311**
Central Mahalapye	-	3	32	72	175	238	839	1,177	679	1,743	**4,959**
Central Bobonong	3	6	15	45	76	172	592	797	363	1,111	**3,181**
Central Boteti	-	1	14	71	108	136	393	551	244	655	**2,173**
Central Tutume	-	-	17	89	247	263	1,450	2,392	836	2,896	**8,189**
North East	-	6	17	50	153	301	688	1,187	642	1,795	**4,839**
Ngamiland East	-	9	32	92	154	225	507	633	250	756	**2,659**
Ngamiland West	4	3	91	204	471	503	1,032	1,023	433	1,344	**5,109**
Chobe	-	-	4	11	11	32	66	133	67	185	**509**
Ghanzi	4	8	27	64	122	168	352	270	96	307	**1,419**
Kgalagadi South	-	6	22	55	70	157	261	294	118	292	**1,275**
Kgalagadi North	-	-	18	30	72	105	168	141	70	191	**795**
TOTAL TRADITIONAL	**12**	**72**	**445**	**1,163**	**2,468**	**3,596**	**10,956**	**15,327**	**7,527**	**21,409**	**62,975**

TABLE 13.6: NUMBER OF HOLDERS BY TYPE OF HOLDING OPERATION AND DISTRICT

District	Individual living in this Household	Individual living elsewhere	Two or more living in Household	Two or more living elsewhere	Other	Total Holders
Ngwaketse	2,495	901	1,282	55	-	**4,733**
Barolong	3,095	394	1,028	268	218	**5,003**
Ngwaketse West	250	234	1	1	-	**487**
South East	482	216	163	42	-	**904**
Kweneng East	2,101	452	2,536	632	13	**5,735**
Kweneng West	1,016	504	1,032	598	-	**3,150**
Kgatleng	876	804	473	343	52	**2,548**
Central Serowe/ Palapye	2,560	741	1,607	400	3	**5,311**
Central Mahalapye	2,137	907	1,033	815	67	**4,959**
Central Bobonong	1,787	456	678	216	43	**3,181**
Central Boteti	1,728	108	288	49	-	**2,173**
Central Tutume	4,870	1,047	1,985	277	10	**8,189**
North East	2,330	160	2,279	70	-	**4,839**
Ngamiland East	1,590	111	856	84	18	**2,659**
Ngamiland West	3,162	213	1,700	31	2	**5,109**
Chobe	213	26	258	11	-	**509**
Ghanzi	1,103	54	215	46	-	**1,419**
Kgalagadi South	765	230	233	46	-	**1,275**
Kgalagadi North	553	79	114	46	3	**795**
TOTAL TRADITIONAL	**33,113**	**7,638**	**17,763**	**4,031**	**430**	**62,975**

TABLE 13.7: NUMBER OF HOLDINGS BY WHETHER THE HOLDER IS A FULL-TIME FARMER AND DISTRICT

District	YES		NO		Total Holders
	Number	Percentage	Number	Percentage	
Ngwaketse	3,810	*7.3*	923	*8.4*	**4,733**
Barolong	4,064	*7.8*	939	*8.5*	**5,003**
Ngwaketse West	327	*0.6*	160	*1.5*	**487**
South East	792	*1.5*	112	*1.0*	**904**
Kweneng East	4,948	*9.5*	787	*7.2*	**5,735**
Kweneng West	2,585	*5.0*	565	*5.1*	**3,150**
Kgatleng	1,862	*3.6*	686	*6.3*	**2,548**
Central Serowe/ Palapye	4,422	*8.5*	889	*8.1*	**5,311**
Central Mahalapye	4,117	*7.9*	842	*7.7*	**4,959**
Central Bobonong	2,727	*5.2*	453	*4.1*	**3,181**
Central Boteti	1,808	*3.5*	365	*3.3*	**2,173**
Central Tutume	6,818	*13.1*	1,371	*12.5*	**8,189**
North East	4,030	*7.8*	810	*7.4*	**4,839**
Ngamiland East	2,365	*4.5*	293	*2.7*	**2,659**
Ngamiland West	4,439	*8.5*	669	*6.1*	**5,109**
Chobe	396	*0.8*	113	*1.0*	**509**
Ghanzi	1,040	*2.0*	378	*3.4*	**1,419**
Kgalagadi South	779	*1.5*	495	*4.5*	**1,275**
Kgalagadi North	664	*1.3*	131	*1.2*	**795**
TOTAL TRADITIONAL	**51,993**	**100.0**	**10,981**	**100.0**	**62,975**

TABLE 13.8A: NUMBER OF HOLDINGS BY WHETHER THE HOLDER HAS ACCESS TO WEATHER FORECAST INFORMATION AND USES IT BY DISTRICT

District	Have access to weather Forecast Information		Total Holders	Whether the holder uses the Information		Total Holders
	Yes	No		Yes	No	
Ngwaketse	3,263	1,470	**4,733**	2,933	330	**3,263**
Barolong	3,235	1,768	**5,003**	2,680	555	**3,235**
Ngwaketse West	331	155	**487**	292	39	**331**
South East	441	463	**904**	342	99	**441**
Kweneng East	3,853	1,882	**5,735**	3,425	427	**3,853**
Kweneng West	1,999	1,150	**3,150**	1,701	299	**1,999**
Kgatleng	2,014	534	**2,548**	1,954	61	**2,014**
Central Serowe/ Palapye	3,231	2,080	**5,311**	2,862	370	**3,231**
Central Mahalapye	3,582	1,376	**4,959**	3,338	245	**3,582**
Central Bobonong	2,194	986	**3,181**	2,097	97	**2,194**
Central Boteti	1,364	809	**2,173**	1,204	160	**1,364**
Central Tutume	5,140	3,049	**8,189**	4,685	455	**5,140**
North East	3,790	1,050	**4,839**	3,243	546	**3,790**
Ngamiland East	1,343	1,316	**2,659**	1,001	342	**1,343**
Ngamiland West	2,829	2,280	**5,109**	2,317	512	**2,829**
Chobe	344	164	**509**	320	24	**344**
Ghanzi	815	604	**1,419**	596	218	**815**
Kgalagadi South	792	482	**1,275**	648	144	**792**
Kgalagadi North	306	489	**795**	216	90	**306**
TOTAL TRADITIONAL	**40,868**	**22,107**	**62,975**	**35,855**	**5,013**	**40,868**

TABLE 13.8B: NUMBER OF HOLDINGS BY WHETHER THE HOLDER IS AWARE OF CLIMATE CHANGE AND DISTRICT

District	Whether the holder is aware of the climate change		Total Holders
	Yes	No	
Ngwaketse	3,959	774	**4,733**
Barolong	4,239	763	**5,003**
Ngwaketse West	268	219	**487**
South East	558	346	**904**
Kweneng East	5,242	494	**5,735**
Kweneng West	2,519	631	**3,150**
Kgatleng	2,477	71	**2,548**
Central Serowe/ Palapye	4,403	908	**5,311**
Central Mahalapye	4,337	621	**4,959**
Central Bobonong	2,982	199	**3,181**
Central Boteti	1,817	357	**2,173**
Central Tutume	5,545	2,644	**8,189**
North East	3,972	867	**4,839**
Ngamiland East	1,678	981	**2,659**
Ngamiland West	3,437	1,672	**5,109**
Chobe	468	40	**509**
Ghanzi	986	432	**1,419**
Kgalagadi South	989	286	**1,275**
Kgalagadi North	271	524	**795**
TOTAL TRADITIONAL	**50,146**	**12,828**	**62,975**

TABLE 13.8C: NUMBER OF HOLDINGS BY TYPE OF CLIMATE CHANGES NOTICED OVER YEARS AND DISTRICT

District	Shift in Seasons	Out Break of Diseases / Pests	Heavy Falls	Severe Drought	None	Other (Specify)
Ngwaketse	2,372	320	156	2,805	17	19
Barolong	2,345	109	68	2,720	6	158
Ngwaketse West	89	27	4	218	1	24
South East	437	32	2	231	11	-
Kweneng East	2,933	63	45	3,450	33	291
Kweneng West	786	267	45	2,337	3	-
Kgatleng	2,086	189	188	2,131	5	387
Central Serowe/ Palapye	1,560	189	317	2,783	17	19
Central Mahalapye	2,081	187	281	3,030	6	126
Central Bobonong	2,320	356	25	1,420	1	167
Central Boteti	1,107	37	27	907	11	21
Central Tutume	4,782	411	801	2,691	35	54
North East	2,793	43	144	2,182	12	145
Ngamiland East	956	35	150	913	16	5
Ngamiland West	2,341	56	152	1,131	32	49
Chobe	455	117	6	178	-	6
Ghanzi	294	61	61	782	6	3
Kgalagadi South	485	34	21	662	5	266
Kgalagadi North	188	20	3	74	2	3
TOTAL TRADITIONAL	**30,409**	**2,554**	**2,496**	**30,646**	**218**	**1,745**

TABLE 13.9: NUMBER OF HOLDINGS BY WHETHER EMPLOYED FARM WORKERS AND DISTRICT

District	Whether employed labourers		Total Holders
	YES	NO	
Ngwaketse	1,169	3,564	**4,733**
Barolong	697	4,306	**5,003**
Ngwaketse West	170	316	**487**
South East	72	832	**904**
Kweneng East	1,305	4,430	**5,735**
Kweneng West	1,059	2,091	**3,150**
Kgatleng	1,092	1,455	**2,548**
Central Serowe/ Palapye	1,638	3,673	**5,311**
Central Mahalapye	1,441	3,518	**4,959**
Central Bobonong	912	2,269	**3,181**
Central Boteti	705	1,468	**2,173**
Central Tutume	1,957	6,232	**8,189**
North East	561	4,278	**4,839**
Ngamiland East	271	2,388	**2,659**
Ngamiland West	218	4,891	**5,109**
Chobe	102	407	**509**
Ghanzi	128	1,291	**1,419**
Kgalagadi South	117	1,157	**1,275**
Kgalagadi North	176	619	**795**
TOTAL TRADITIONAL	**13,789**	**49,186**	**62,975**

TABLE 13.10: NUMBER OF FARM WORKERS BY MARITAL STATUS, GENDER AND DISTRICT

District	Never Married		Married		Living Together		Separated		Divorced		Widowed		Total Males	Total Females	Total Labourers
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female			
Ngwaketse	1,036	43	26	-	306	13	3	-	1	-	9	4	**1,381**	**60**	**1,441**
Barolong	619	36	52	-	224	10	-	-	3	-	6	-	**902**	**46**	**948**
Ngwaketse West	215	13	3	-	26	3	-	-	-	-	-	-	**243**	**16**	**259**
South East	73	5	4	-	5	-	-	-	-	-	-	-	**82**	**5**	**87**
Kweneng East	952	32	68	-	405	8	-	-	3	-	11	-	**1,439**	**40**	**1,479**
Kweneng West	810	14	50	-	620	11	5	-	6	-	15	-	**1,510**	**25**	**1,535**
Kgatleng	811	10	103	5	388	22	2	-	7	-	8	3	**1,318**	**40**	**1,358**
Central Serowe/ Palapye	1,639	28	63	-	495	31	5	-	1	-	16	-	**2,220**	**59**	**2,279**
Central Mahalapye	819	16	90	3	748	32	9	2	5	-	20	6	**1,693**	**59**	**1,752**
Central Bobonong	668	21	68	-	276	27	10	2	5	-	10	-	**1,039**	**50**	**1,089**
Central Boteti	457	30	34	3	310	57	9	-	-	-	5	1	**816**	**91**	**907**
Central Tutume	1,407	55	316	9	407	74	32	7	6	2	24	14	**2,194**	**161**	**2,355**
North East	345	27	62	3	146	11	1	-	6	-	5	-	**566**	**41**	**607**
Ngamiland East	207	4	10	-	151	3	2	-	-	-	1	-	**372**	**7**	**379**
Ngamiland West	111	19	15	-	134	-	22	-	-	-	2	-	**284**	**19**	**303**
Chobe	60	-	16	2	22	-	-	-	5	-	-	-	**102**	**2**	**104**
Ghanzi	94	3	1	-	75	3	2	-	4	-	3	-	**178**	**6**	**184**
Kgalagadi South	87	-	4	-	66	3	-	-	-	-	1	-	**158**	**3**	**161**
Kgalagadi North	205	1	-	-	79	6	-	-	-	-	-	-	**284**	**7**	**291**
TOTAL TRADITIONAL	**10,615**	**357**	**985**	**25**	**4,883**	**314**	**102**	**11**	**52**	**2**	**136**	**28**	**16,781**	**737**	**17,518**

TABLE 13.11: NUMBER OF FARM WORKERS BY EMPLOYEE STATUS AND DISTRICT

District	EMPLOYEMENT STATUS			Total Farm Labourers
	Employee Paid Cash	Employee Paid in Kind	Employee Paid In Kind & in Cash	
Ngwaketse	205	25	1,211	**1,441**
Barolong	341	26	581	**948**
Ngwaketse West	12	6	241	**259**
South East	71	-	16	**87**
Kweneng East	308	30	1,141	**1,479**
Kweneng West	135	4	1,396	**1,535**
Kgatleng	167	13	1,178	**1,358**
Central Serowe/ Palapye	782	28	1,469	**2,279**
Central Mahalapye	368	77	1,307	**1,752**
Central Bobonong	248	38	803	**1,089**
Central Boteti	398	15	494	**907**
Central Tutume	1,180	57	1,118	**2,355**
North East	406	25	176	**607**
Ngamiland East	265	1	113	**379**
Ngamiland West	276	24	3	**303**
Chobe	102	-	4	**104**
Ghanzi	148	8	28	**184**
Kgalagadi South	89	6	66	**161**
Kgalagadi North	179	7	105	**291**
TOTAL TRADITIONAL	**5,680**	**390**	**11,450**	**17,518**

TABLE 13.12: NUMBER OF FARM WORKERS BY EMPLOMENT STATUS, EARNINGS (PULA) AND DISTRICT

District	Temporary	Full Time	Total Farm workers	Total earnings for paid cash (Pula)	Total earnings for Paid inkind (Pula)	Total Earnings (Pula)	Average earnings (PULA)
Ngwaketse	119	1,322	1,441	969,741	471,298	1,441,039	1000
Barolong	207	741	948	615,588	219,149	834,737	881
Ngwaketse West	32	227	259	182,186	98,007	280,193	1082
South East	5	82	87	61,189	11,520	72,709	836
Kweneng East	256	1,223	1,479	991,640	385,188	1,376,828	931
Kweneng West	320	1,215	1,535	1,018,020	440,747	1,458,767	950
Kgatleng	69	1,289	1,358	1,000,943	362,659	1,363,602	1004
Central Serowe/ Palapye	275	2,004	2,279	1,381,210	366,091	1,747,301	767
Central Mahalapye	248	1,504	1,752	1,022,984	350,880	1,373,864	784
Central Bobonong	87	1,002	1,089	672,435	201,465	873,900	802
Central Boteti	79	828	907	502,650	126,247	628,897	693
Central Tutume	651	1,704	2,355	1,304,075	447,537	1,751,612	744
North East	147	460	607	359,789	48,521	408,310	673
Ngamiland East	72	307	379	231,946	28,258	260,204	687
Ngamiland West	95	208	303	169,202	25,743	194,945	643
Chobe	38	66	104	71,059	3,696	74,755	719
Ghanzi	48	136	184	97,931	8,265	106,196	577
Kgalagadi South	55	106	161	98315	24837	123,152	765
Kgalagadi North	143	148	291	167,667	42,401	210,068	722
TOTAL TRADITIONAL	**2,946**	**14,572**	**17,518**	**10,918,570**	**3,662,509**	**14,581,079**	**832**

COMMERCIAL SECTOR-HOLDERS' CHARACTERISTICS

TABLE 14.1: TOTAL HOLDINGS, HOLDINGS PLANTED AND LIVESTOCK HOLDINGS BY BLOCK

BLOCK	Total Farms	Crop Farms	Cattle farms	Goats Farms	Sheep Farms	Donkeys/ Mules Farms	Horses Farms	Chickens Frams	Ostriches Farms	Pigs Farms	Dogs Farms	Other Birds Farms	Other Livestock Farms
Tuli Block	79	19	52	30	27	10	11	20	4	5	32	7	9
Tati Block	176	98	125	86	60	17	17	80	2	8	99	17	24
Gantsi Freehold	20	4	92	51	34	50	52	36	1	3	47	3	3
Molopo Freehold	22	0	21	4	8	6	21	11	1	-	13	1	2
Gaborone Freehold	31	38	0	1	2	-	1	5	-	2	3	-	2
Pandamatenga	92	39	3	2	3	-	1	4	-	-	24	2	6
Lobatse Freehold	146	2	20	16	10	4	6	15	1	-	14	5	11
Sand Veld TGLP	106	4	205	142	63	87	113	138	3	-	144	2	22
Ngwaketse TGLP	40	23	152	96	62	35	88	75	4	1	87	6	44
Kgalagadi TGLP	208	2	79	63	52	70	57	40	3	8	53	-	15
Kweneng TGLP	83	13	76	55	20	25	48	47	1	3	63	3	26
Gantsi TGLP	34	0	146	109	44	90	112	42	-	-	47	3	1
Haina Veldt TGLP	91	0	102	80	48	86	81	77	2	1	96	2	19
Nata TGLP	24	1	31	21	6	4	9	21	1	1	22	-	1
Lepasha TGLP	65	1	32	21	9	4	4	15	-	-	20	2	2
Barolong Farms	83	0	20	5	4	8	7	6	-	-	9	2	5
Letlhakane TGLP	39	5	80	63	29	41	57	55	-	-	65	1	5
Kaka	239	3	65	53	21	31	47	44	1	-	49	2	6
Total Commercial	**1,578**	**252**	**1,301**	**898**	**502**	**568**	**732**	**731**	**24**	**32**	**887**	**58**	**203**

TABLE 14.2: LIVESTOCK POPULATION (CATTLE,GOATS,SHEEP,DONKEYS/MULES, HORSES.....)BY BLOCK

BLOCK	CATTLE		Goats	Sheep	Pigs	Donkeys/ Mules	Horses	Dogs	Chickens	Ostriches	Other Birds	Other Animals
	Dairy cattle	Beef cattle										
Tuli Block	54	13,705	2,424	2,370	143	57	41	146	952	56	92	9,342
Tati Block	158	13,714	3,987	1,954	463	165	85	487	21,945	7	166	137
Gantsi Freehold	-	58,721	4,785	2,670	19	288	512	266	767	6	114	49
Molopo Freehold	-	27,646	233	458	-	203	187	66	4,365	5	15	7
Gaborone Freehold	-	-	43	83	55	-	2	8	78,246	-	-	12
Pandamatenga	-	113	250	437	-	-	3	77	37	-	29	23
Lobatse Freehold	909	1,535	910	503	-	42	22	59	48,425	10	93	26
Sand Veld TGLP	31	63,528	8,841	2,131	-	568	703	721	11,535	56	16	1,244
Ngwaketse TGLP	6	27,135	4,807	3,530	17	249	734	317	1,887	137	266	485
Kgalagadi TGLP	-	21,198	6,984	5,856	43	548	489	252	815	29	-	56
Kweneng TGLP	8	21,761	2,316	536	368	161	262	397	14,145	5	31	196
Gantsi TGLP	-	32,536	8,452	2,018	-	519	997	191	907	-	22	1
Haina Veldt TGLP	-	42,395	6,675	3,760	2	726	911	728	1,562	9	37	749
Nata TGLP	-	5,646	836	251	2	15	66	151	767	40	-	1
Lepasha TGLP	-	3,696	689	138	-	14	25	78	617	-	7	9
Barolong Farms	-	2,730	219	211	-	60	30	24	339	-	78	6
Letlhakane TGLP	-	20,952	5,025	749	-	219	385	373	1,611	-	20	12
Kaka	-	25,522	4,511	543	-	174	275	317	1,513	20	5	13
Total Commercial	**1,166**	**382,533**	**61,987**	**28,198**	**1,112**	**4,008**	**5,729**	**4,658**	**190,435**	**380**	**991**	**12,368**

TABLE 14.3: NUMBER OF HOLDINGS BY WHETHER EMPLOYED FARM WORKERS AND BLOCK

BLOCK	Farm Workers Employment		Total Number of Farms	Total Number of Farm Workers
	Yes	No		
Tuli Block	72	7	**79**	**438**
Tati Block	183	56	**239**	**448**
Gantsi Freehold	64	28	**92**	**346**
Molopo Freehold	21	1	**22**	**131**
Gaborone Freehold	40	-	**40**	**86**
Pandamatenga	37	2	**39**	**336**
Lobatse Freehold	19	5	**24**	**82**
Sand Veld TGLP	199	9	**208**	**633**
Ngwaketse TGLP	140	36	**176**	**340**
Kgalagadi TGLP	55	28	**83**	**137**
Kweneng TGLP	74	17	**91**	**143**
Gantsi TGLP	66	80	**146**	**107**
Haina Veldt TGLP	88	18	**106**	**204**
Nata TGLP	30	1	**31**	**70**
Lepasha TGLP	31	3	**34**	**58**
Barolong Farms	19	1	**20**	**68**
Letlhakane TGLP	79	4	**83**	**239**
Kaka	63	2	**65**	**220**
TOTAL COMMERCIAL	**1,280**	**298**	**1,578**	**4,086**

TABLE 14.4: NUMBER OF FARM WORKERS BY EDUCATION ATTAINMENT, GENDER AND BLOCK

BLOCK	PRIMARY			SECONDARY			NON FORMAL			NEVER ATTENDED			TOTAL NUMBER OF
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	
Tuli Block	61	21	**82**	90	45	**135**	-	-	**-**	159	62	**221**	**438**
Tati Block	128	28	**156**	204	39	**243**	2	-	**2**	39	8	**47**	**448**
Gantsi Freehold	134	11	**145**	139	15	**154**	6	1	**7**	36	4	**40**	**346**
Molopo Freehold	32	2	**34**	35	7	**42**	-	-	**-**	51	4	**55**	**131**
Gaborone Freehold	8	-	**8**	65	11	**76**	-	-	**-**	1	1	**2**	**86**
Pandamatenga	64	29	**93**	153	46	**199**	20	7	**27**	14	3	**17**	**336**
Lobatse Freehold	17	5	**22**	38	12	**50**	-	-	**-**	9	1	**10**	**82**
Sand Veld TGLP	221	7	**228**	114	6	**120**	3	-	**3**	266	16	**282**	**633**
Ngwaketse TGLP	91	3	**94**	121	6	**127**	1	-	**1**	115	3	**118**	**340**
Kgalagadi TGLP	49	2	**51**	51	5	**56**	-	-	**-**	29	1	**30**	**137**
Kweneng TGLP	31	2	**33**	52	16	**68**	-	-	**-**	40	2	**42**	**143**
Gantsi TGLP	54	3	**57**	19	-	**19**	-	-	**-**	31	-	**31**	**107**
Haina Veldt TGLP	73	4	**77**	55	6	**61**	2	-	**2**	55	9	**64**	**204**
Nata TGLP	34	4	**38**	22	3	**25**	4	-	**4**	3	-	**3**	**70**
Lepasha TGLP	30	2	**32**	23	3	**26**			**-**	-	-	**-**	**58**
Barolong Farms	11	1	**12**	34	8	**42**	-	-	**-**	14	-	**14**	**68**
Letlhakane TGLP	54	-	**54**	73	3	**76**	1	-	**1**	95	13	**108**	**239**
Kaka	64	5	**69**	36	2	**38**	-	-	**-**	103	10	**113**	**220**
Total Commercial	**1,156**	**129**	**1,285**	**1,324**	**233**	**1,557**	**39**	**8**	**47**	**1,060**	**137**	**1,197**	**4,086**

TABLE 14.5: NUMBER OF FARM WORKERS BY CITIZENSHIP, GENDER AND BLOCK

	BOTSWANA			ZIMBABWE			SOUTH AFRICA			REST OF SADC			OTHER COUNTRIES			TOTAL WORKERS		
BLOCK	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Male	Female	Total
Tuli Block	**432**	304	128	**5**	5	-	**1**	1	-	**-**	-	-	**-**	-	-	310	128	**438**
Tati Block	**279**	217	62	**167**	154	13	**-**	-	-	**1**	1	-	**1**	1	-	373	75	**448**
Gantsi Freehold	**337**	306	31	**8**	8	-	**-**	-	-	**1**	1	-	**-**	-	-	315	31	**346**
Molopo Freehold	**129**	117	12	**1**	1	-	**-**	-	-	**1**	-	1	**-**	-	-	118	13	**131**
Gaborone Freehold	**38**	29	9	**46**	43	3	**-**	-	-	**2**	2	-	**-**	-	-	74	12	**86**
Panda matenga	**311**	229	82	**21**	18	3	**3**	3	-	**1**	1	-	**-**	-	-	251	85	**336**
Lobatse Freehold	**72**	54	18	**10**	10	-	**-**	-	-	**-**	-	-	**-**	-	-	64	18	**82**
Sand Veld TGLP	**596**	567	29	**35**	35	-	**-**	-	-	**2**	2	-	**-**	-	-	604	29	**633**
Ngwaketse TGLP	**317**	305	12	**19**	19	-	**3**	3	-	**1**	1	-	**-**	-	-	328	12	**340**
Kgalagadi TGLP	**135**	127	8	**1**	1	-	**-**	-	-	**1**	1	-	**-**	-	-	129	8	**137**
Kweneng TGLP	**136**	118	18	**3**	2	1	**-**	-	-	**4**	3	1	**-**	-	-	123	20	**143**
Gantsi TGLP	**106**	103	3	**1**	1	-	**-**	-	-	**-**	-	-	**-**	-	-	104	3	**107**
Haina Veldt TGLP	**194**	176	18	**9**	8	1	**-**	-	-	**1**	1	-	**-**	-	-	185	19	**204**
Nata TGLP	**43**	36	7	**27**	27	-	**-**	-	-	**-**	-	-	**-**	-	-	63	7	**70**
Lepasha TGLP	**41**	38	3	**16**	14	2	**-**	-	-	**1**	1	-	**-**	-	-	53	5	**58**
Barolong Farms	**68**	59	9	**-**	-	-	**-**	-	-	**-**	-	-	**-**	-	-	59	9	**68**
Letlhakane TGLP	**230**	214	16	**8**	8	-	**-**	-	-	**-**	-	-	**1**	1	-	223	16	**239**
Kaka	**203**	186	17	**17**	17	-	**-**	-	-	**-**	-	-	**-**	-	-	203	17	**220**
Total Commercial	**3,667**	**3,185**	**482**	**394**	**371**	**23**	**7**	**7**	**-**	**16**	**14**	**2**	**2**	**2**	**-**	**3,579**	**507**	**4,086**

TABLE 14.6: NUMBER OF FARM WORKERS BY MARITAL STATUS, GENDER AND BLOCK

BLOCK	NEVER MARRIED		MARRIED		LIVING TOGETHER		SEPARATED		DIVORCED		WIDOWED		TOTAL WORKERS
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	
Tuli Block	62	53	49	8	192	63	5	1	1	-	1	3	**438**
Tati Block	61	15	76	11	228	46	6	1	-	1	2	1	**448**
Gantsi Freehold	135	11	62	5	117	12	-	1	1	1	-	1	**346**
Molopo Freehold	24	6	21	1	73	6	-	-	-	-	-	-	**131**
Gaborone Freehold	4	-	37	7	33	4	-	-	-	-	-	1	**86**
Pandamatenga	130	45	57	20	53	17	4	1	4	1	3	1	**336**
Lobatse Freehold	16	3	15	8	31	5	-	1	2	-	-	1	**82**
Sand Veld TGLP	264	8	116	10	216	11	-	-	1	-	7	-	**633**
Ngwaketse TGLP	99	4	29	-	195	7	-	-	1	-	4	1	**340**
Kgalagadi TGLP	33	2	20	3	75	3	1	-	-	-	-	-	**137**
Kweneng TGLP	26	-	7	3	85	17	2	-	2	-	1	-	**143**
Gantsi TGLP	74	2	11	-	17	1	-	-	-	-	2	-	**107**
Haina Veldt TGLP	116	5	3	-	64	14	-	-	2	-	-	-	**204**
Nata TGLP	34	4	6	-	20	3	-	-	2	-	1	-	**70**
Lepasha TGLP	50	5	1	-	-	-	-	-	1	-	1	-	**58**
Barolong Farms	22	6	12	2	24	-	-	1	-	-	1	-	**68**
Letlhakane TGLP	133	7	32	2	53	6	-	-	1	-	4	1	**239**
Kaka	101	10	34	3	65	4	1	-	-	-	2	-	**220**
TOTAL COMMERCIAL	**1,384**	**186**	**588**	**83**	**1,541**	**219**	**19**	**6**	**18**	**3**	**29**	**10**	**4,086**

TABLE 14.7: NUMBER OF FARM WORKERS BY MODE OF PAYMENT AND BLOCK

BLOCK	EMPLOYEE PAID IN			TOTAL FARM WORKERS
	In Cash	Inkind	BOTH CASH & INKIND	
Tuli Block	288	-	150	***438***
Tati Block	226	2	220	***448***
Gantsi Freehold	117	-	229	***346***
Molopo Freehold	35	-	96	***131***
Gaborone Freehold	84	-	2	***86***
Pandamatenga	316	3	17	***336***
Lobatse Freehold	61	-	21	***82***
Sand Veld TGLP	144	3	486	***633***
Ngwaketse TGLP	73	1	266	***340***
Kgalagadi TGLP	41	-	96	***137***
Kweneng TGLP	97	-	46	***143***
Gantsi TGLP	71	2	34	***107***
Haina Veldt TGLP	170	-	34	***204***
Nata TGLP	18	-	52	***70***
Lepasha TGLP	5	-	53	***58***
Barolong Farms	52	-	16	***68***
Letlhakane TGLP	77	-	162	***239***
Kaka	76	1	143	***220***
Total Commercial	**1,951**	**12**	**2,123**	***4,086***

TABLE 14.8: NUMBER OF FARM WORKERS BY EMPLOYMENT STATUS, TOTAL EARNINGS, AVERAGE EARNINGS (PULA) AND BLOCK

BLOCK	EMPLOYMENT STATUS		Total Number of Farm Workers	Total Earnings (Pula)	Average Earnings (Pula)
	Temporary	Permanent			
Tuli Block	38	400	438	475,395	1,085
Tati Block	37	411	448	470,792	1,051
Gantsi Freehold	39	307	346	439,382	1,270
Molopo Freehold	-	131	131	245,414	1,873
Gaborone Freehold	-	86	86	124,559	1,448
Pandamatenga	48	288	336	511,222	1,521
Lobatse Freehold	9	73	82	150,354	1,834
Sand Veld TGLP	5	628	633	610,989	965
Ngwaketse TGLP	22	318	340	444,330	1,307
Kgalagadi TGLP	6	131	137	227,863	1,663
Kweneng TGLP	5	138	143	145,070	1,014
Gantsi TGLP	16	91	107	82,846	774
Haina Veldt TGLP	17	187	204	144,475	708
Nata TGLP	1	69	70	67,054	958
Lepasha TGLP	-	58	58	47,471	818
Barolong Farms	-	68	68	152,979	2,250
Letlhakane TGLP	-	239	239	211,002	883
Kaka	7	213	220	200,658	912
Total Commercial	**250**	**3,836**	**4,086**	**4,751,855**	**1,163**

2015 AGRICULTURAL CENSUS METHODOLOGY AND STANDARD ERRORS

CHAPTER 3: 2015 AGRICULTURAL CENSUS EVALUATION

3.0 CENSUS OBJECTIVES

The main objectives of the agricultural census are to address the long, intermediate and short-term provision of basic baseline information on both crops and livestock production statistics required for planning, reviewing, evaluating, monitoring and formulation of policies, programmes and projects in the agricultural sector.

(i) Long Term Objective: To provide time series of basic information on both crops and livestock production and on the total number of agricultural holders, the results and experiences of which would be utilized in planning the annual agricultural surveys during the intercensal period beginning 2017 and ending in 2025.

(ii) Intermediate Term Objective: To provide new baseline data at national and sub national levels on both crops and livestock production statistics that would be used immediately after the census to; review, design, implement appropriate policies and programmes targeted towards improving the farming community, particularly those in the rural areas, as well as individuals for investment purposes.

(iii) Short Term Objective: To provide training in order to build capacity and experience in the techniques of censuses and annual surveys' design, expanded sample estimation and selection and estimation procedures to ensure continuity in the production of agricultural information system for agricultural development planning, and monitoring and evaluation.

3.1 QUESTIONNAIRES AND COVERAGE

There were four sets of questionnaires used during the census, namely Forms I, II, III and IV. The first three forms were used for the traditional sector, while the fourth one was used for the commercial sector.

Form I dealt with listing of all dwellings within each selected enumeration area in a particular agricultural district. It was in this form that agricultural holders were identified and selected.

Form II dealt with data collection on:

- Characteristics of the agricultural holders and other members of his/her holding (age, sex, marital status, education levels, economic activity etc)
- Land use in terms of crop and fallow land and measurements of such

Form III dealt with data collection on:

- Livestock counts and inventory (births, deaths, sales, home consumption, purchases for cattle, goats and sheep)
- Crop production
- Farming practices
- Livestock water supply, farm equipment and machinery inventory
- Farm Enterprises (economic section and farm labour)

Form IV dealt with basically the same information as in Form III, except that it included dairy cattle, fruits and vegetables. This information was collected from commercial farmers only.

3.2 CENSUS METHODOLOGY

The methodology used for the 2015 Botswana Agricultural Census is the same as the one used for the past Agricultural Censuses, including 2004. The only difference is that during 2015 agricultural census, data collection was done from all cattle posts, lands and villages/settlements enumeration areas. The villages/settlements that were enumerated were those that did not have associated cattle posts/lands as observed from 2011 Population and Housing Census. In 2004, data collection was done from a sample of cattle posts, lands and urban villages enumeration areas.

3.2.1 TARGET POPULATION

The target population for the 2015 census are the rural areas of Botswana, including large villages, which were classified as urban during the 2011 Population and Housing Census, cattle posts and lands that formed the

basis for the traditional agricultural holders. A list of agricultural farms or ranches on freehold land, leasehold land, and Tribal Grazing Policy Land (TGLP) on communal land formed the basis for the commercial

(i)From EA to Stratum Level

First stage weights account for the varying probability of EA selection. That is, they are proportional to the inverse of the measure of size.

First stage weight for i^{th} EA in h^{th} stratum is

$$W_{1hi} = \frac{\sum_{i=1}^{N_h} M_{hi}}{n_h M_{hi}}$$

Where,

W_{1hi} = First stage weight for i^{th} EA in h^{th} stratum.

n_h = The number of EAs selected in h^{th} stratum.

M_{hi} = The size (Agricultural holders as per 2004 Agric ultural Census Sampling Frame) of the i^{th} EA in h^{th} stratum

$\sum_i M_{hi}$ = The total size of the h^{th} stratum (2015 Agricultural Census Sa mpling Frame).

Nh = stratum total of agricultural holders

(ii) From Household Level to EA Level

This is a simple weight obtained by dividing the total listed households in the EA by the number of selected households in that EA.

Second stage weight for i^{th} EA in h^{th} stratum is

$$W_{2hi} = \frac{M_{hi}^{L}}{m_{hi}}$$

Where,

W_{2hi} = Second stage weight for i^{th} EA in h^{th} stratum.

M_{hi}^{L} = Total number of listed agricultural holders in i^{th} EA in h^{th} stratum.

m_{hi} = The number of selected households for the i^{th} EA in h^{th} stratum.

(iii) A Non-Response Adjustment

For the 2015 Agriculture Census no substitution was allowed for non-response and holding questionnaires had to be returned for all holding whether responding or not.

The non-response rate was made at the EA level. The adjustment was equal to the selected agricultural holders (respondents + non respondents) divided by the actual interviewed agricultural holders (responded holders).

The non-response adjustment for the i^{th} EA in h^{th} stratum was calculated as;

$$Rhi = 1 + \frac{m_{(nr)hi}}{m_{(r)hi}}$$

Where;

$m_{(nr)hi}$ = the number of agricultural holders who did not respond in i^{th} EA of h^{th} stratum.

$m_{(r)hi}$ = the number of agricultural holders who responded in i^{th} EA of h^{th} stratum.

Thus, the final weights for the i^{th} EA in h^{th} stratum are:

(a) Agricultural Holders with at least 100 cattle

$$W100hi = W1hi \times Rhi$$

(b) Agricultural Holders with less than 100 cattle

$$Whi = W1hi. \times W2hi \times Rhi$$

CHAPTER 4 SAMPLING ERRORS

The estimates from a sample survey are affected by two types of errors: (i) non-sampling error, and (ii) sampling errors. Non-sampling errors are the results of mistakes made in implementing data collection and data processing, such as failure to locate and interview the correct household, misunderstanding of the questions on the part of either the interviewer or the respondent, and data entry errors. Although numerous efforts were made during the implementation of the 2015 Agricultural Census to minimize these type of errors, non-sampling errors are inevitable and difficult to evaluate statistically. However, sampling errors can be evaluated statistically.

Sampling errors are a measure of the variability between all possible samples. The degree of variability is never known until the results are obtained, hence this report. A sampling error is measured in terms of standard error for a particular statistic (mean, percentage, etc.), which is the square root of the variance. The standard error is then used to calculate confidence intervals within which the true value for the population can reasonably be assumed to fall. For example, for any given statistic calculated from a sample survey, the value of that statistic will fall within a range of plus or minus two times the standard error of that statistic in 95 percent of all possible samples of identical size and design.

Agricultural Census 2015, joins other surveys conducted by Statistics Botswana under complex designs. A stratified two stage design was employed in carrying out the census which calls for specialized methods and softwares to take care of the complexity of the design. In this case, WesVar 4.3 statistical software (supported by WESTAT) was used to obtain standard errors, confidence intervals and design effect for selected indicators.

This is a powerful tool renowned for statistical data analysis from complex survey designs, which includes multi-stage, stratification and unequal probability samples. It is capable for replication analysis, which include Jackknife for the estimation of variance. Jackknife replication method was therefore used as one of the options for replication analysis.

Estimation of variances using the Jackknife method requires forming replications from the full sample by randomly eliminating one sample cluster (enumeration area) from a domain or stratum at a time. Then a pseudo-estimate is formed from the retained EAs, which are re-weighted to compensate for the eliminated unit. Thus, for a particular stratum containing k clusters, k replicated estimates are formed by eliminating one of these, at a time, and increasing the weight of the remaining (k - 1) clusters by a factor of k /(k - 1). This process is repeated for each cluster.

For a given stratum or domain, the estimate of the variance of a statistic say t (t may be the mean, proportion, ratio e.t.c.) is given by:

$$\mathrm{var}(t) = (se)^2 = \frac{1}{k(k-1)} \sum_{i=1}^{k} (t_i - t)^2$$

Where:

k is the number of clusters in the stratum or estimation domain,

t i s the weighted estimate calculated from the entire sample of clusters in the stratum ,

t_i i s equal to $kt-(k-1)\ t_{(i)}$, where

$t_{(i)}$ i s the re-weighted estimate calculated from the reduced s ample of $k-1$ clusters.

To obtain an estimate of the variance at a higher level, say, at the national level, the process is repeated over all strata, with k redefined to refer to the total number of clusters (as opposed to the number in the stratum).

4.1 Crops evaluation of errors

4.1.1 Standard errors (SE)

Figure 1 shows that standard errors for the 2015 Agricultural Census follow similar pattern as in the 2004 Agricultural Census except for millet production in 2015 Census. This is basically because the methodology used in 2004 Agricultural Census did not deviate from the one used in 2015. Nevertheless, the 2015 Census presents slightly lower standard errors.

4.1.2 Coefficient of Variation (CV)

A coefficient of variation (CV) is a statistical measure of the dispersion of data points in a data around the mean. It is calculated by; SE/R, where SE is the standard error and R is the estimate of the variable of interest.

A CV of 1, implies that the standard deviation is equal to its mean therefore, distributions with CV < 1 are considered low-variance, while those with CV > 1 are considered high-variance.

Figure 2 shows that the coefficient of variations for total production by crop. As regards the CV pattern, 2004 agricultural census data present lower CVs. This is more pronounced in millet production. This could be attributable to the fact that millet production is produced in certain agro-ecological zones. Nevertheless, the CV is about 60 percent for millet which is higher than other crops for 2015 census. Overall, the results are reasonably good.

4.1.3 Confidence Limits

The standard error is also used to calculate confidence intervals within which the true value for the population can reasonably be assumed to fall. A popularly used confidence interval is the 95 percent one. It is explained that the interval has 0.95 probability of containing the population mean. The optimal length of the confidence interval has always been desired to be short or kept minimum, however it entirely depends on the variance of the survey data. It is calculated by; (Estimate (R) ± 1.96SE), implying that, for any given statistic calculated from a sample survey, the value of that statistic will fall within a range of plus or minus two times the standard error of that statistic in 95 percent of all possible samples of identical size and design.

Since in the previous analysis for the SE and CV, the variable of total production was used, even in the confidence limits, this will follow for consistency purposes. The various confidence limits for the total production indeed fall within the 95% confidence limits with the corresponding standard errors used in each calculation.

The general observation that can be derived from the census results as it pertains to the Confidence Limits is that, all estimates fall within the limits and the intervals are not too wide, which render the results acceptable.

4.2 Livestock evaluation of errors

4.2.1 Standard errors (SE)

As indicated in Figure 3 livestock standard errors for the 2015 Agricultural Census show the same trend as in the 2004 Agricultural Census. However, the 2015 Census tend to be better with slightly lower standard errors.

4.2.2 Coefficient of Variation (CV)

Figure 4 shows coefficient of variation (CV) for the same variables as in standard error above. It tends out that the 2015 agricultural census has further proved to be better in terms of quality as compared to the 2004 census.

4.2.3 Confidence Limits

As regards to the confidence intervals, they follow suit in the livestock variables as in crops as they are not too wide and justify the quality of the data.

4.3 Conclusion

The general observation made is that the 2015 agricultural census present data with better quality as compared to the 2004 census in terms of standard errors. This gives confidence to the methodology used as well as the data collection processes.

It is without hesitant to recommend that the data could be published and used for policy formulation and review of the existing agricultural programs.

Figure1: Comparison of Standard errors for production variable by crop for the two censuses

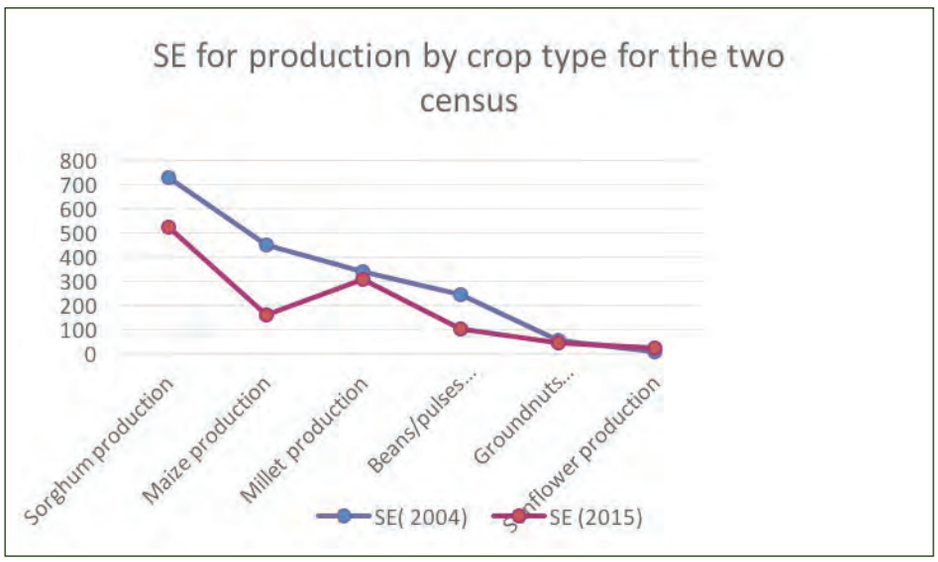


Figure 2: Comparison of coefficient of variation for production variable by crop for the two censuses

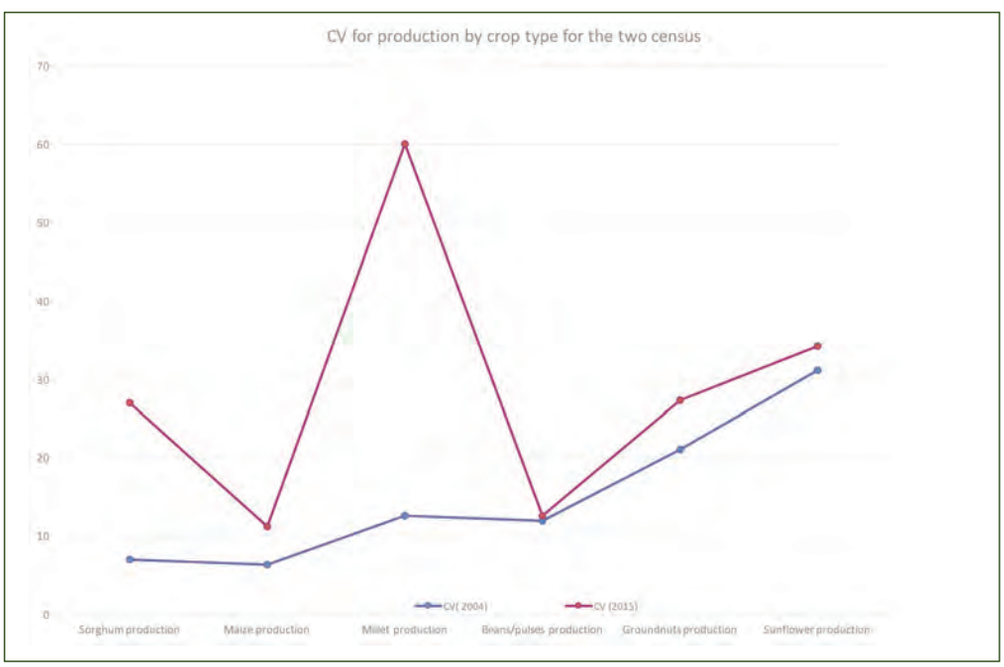


Figure 3: Comparison of Standard errors for total livestock variable by type for the two censuses (2004 and 2015)

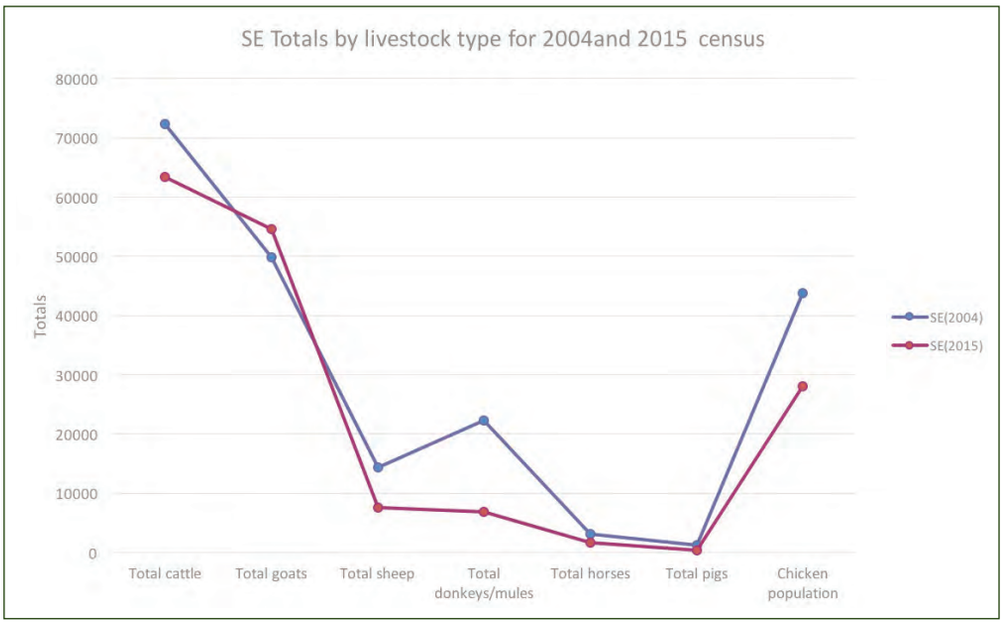
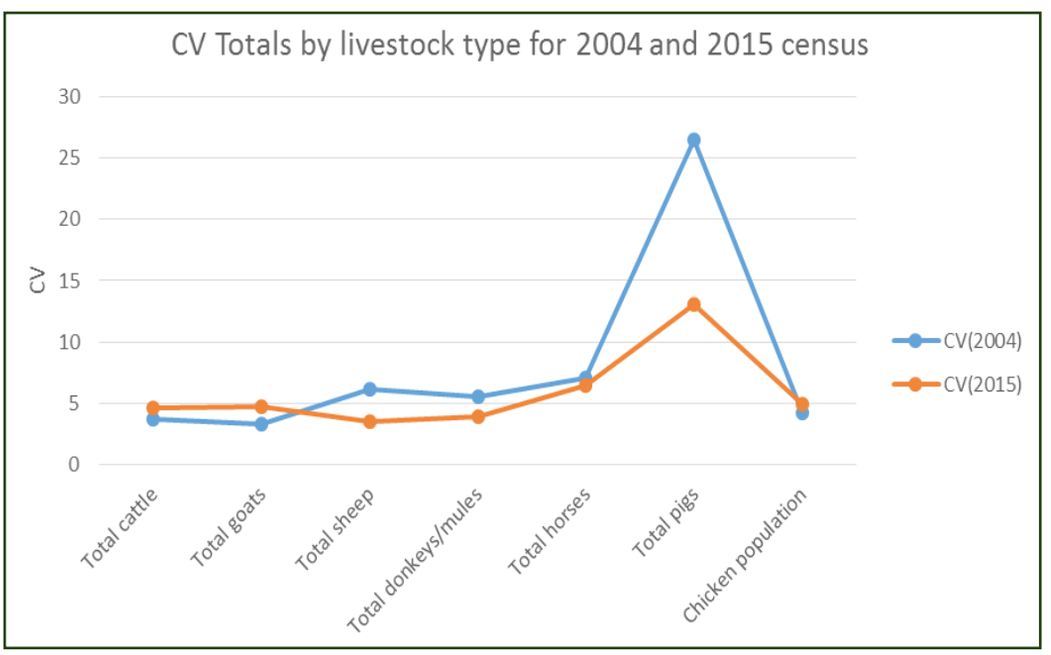


Figure 4: Comparison of coefficient of variation for total livestock variable by type for the two censuses (2004 and 2015).



APPENDIX I

TABLE 1: SAMPLING ERRORS: 2015 AGRICULTURAL CENSUS (TRADITIONAL SECTOR): CROPS

VARIABLES	ESTIMATE (R)	STDERROR (S.E)	(LOWER, UPPER) 95% Confidence Limits		CV (%)
CROPS ESTIMATES					
Total Land Area (ha)	162163.24	17655.799	127525.88	196800.59	10.888
Total Land Area Planted (ha)	123513.49	11844.25	100277.3	146749.68	9.589
Total Land Area Harvested (ha)	34940.42	5308.326	24526.48	45354.36	15.193
Total Production (in tons)	13220.24	1676.78	9930.71	16509.76	12.68
Sorghum:					
Total Area Planted (ha)	23222.64	1918.78	19458.35	26986.93	8.263
Total Area Harvested (ha)	7924.86	1328.08	5319.42	10530.3	16.758
Total Production (in tons)	1927.26	519.97	907.18	2947.35	26.98
Maize:					
Total Area Planted (ha)	61802.88	7815.78	46469.79	77135.96	12.65
Total Area Harvested (ha)	13313.95	1422.46	10523.35	16104.55	10.68
Total Production (in tons)	1417.07	158.1	1106.91	1727.22	11.16
Millet:					
Total Area Planted (ha)	4981.29	1584.24	1873.31	8089.26	31.8
Total Area Harvested (ha)	5057.99	2840.88	-515.28	10631.26	56.17
Total Production (in tons)	1304.36	375.76	567.18	2041.53	28.81
Beans/Pulses:					
Total Area Planted (ha)	22572.64	1440.35	19746.95	25398.34	6.38
Total Area Harvested (ha)	5638.97	457.96	4740.53	6537.4	8.12
Total Production (in tons)	791.6	98.89	597.59	985.61	12.49
Groundnuts:					
Total Area Planted (ha)	2110.58	387.23	1350.91	2870.26	18.35
Total Area Harvested (ha)	630.54	154.15	328.12	932.96	24.45
Total Production (in tons)	152.78	41.7	70.97	234.59	27.3
Sunflower:					
Total Area Planted (ha)	589.87	96.927	399.72	780.02	16.43
Total Area Harvested (ha)	235.08	85.383	67.58	402.59	36.32
Total Production (in tons)	68.44	23.43	22.48	114.4	34.23

APPENDIX II

TABLE 2: SAMPLING ERRORS: 2015 AGRICULTURAL CENSUS (TRADITIONAL SECTOR): LIVESTOCK

Variables	ESTIMATE (R)	STDERROR	(LOWER, UPPER) 95% Confidence Limits		CV (%)
Livestock estimates					
Cattle					
Total cattle	1360467.33	63396.536	1236095.25	1484839.4	4.66
Total births	347254.63	15516.835	316813.52	377695.75	4.468
Total deaths	97098.55	4136.165	88984.18	105212.93	4.26
Total sales	75165.24	5123.026	65114.82	85215.65	6.816
Total home slaughter	20427.16	1527.298	17430.89	23423.43	7.477
Total purchases	9427.93	749.795	7956.97	10898.89	7.953
Off-take	81180.06	5947.825	69511.54	92848.57	7.327
Goats					
Total goats	1143251.43	54580.476	1036175	1250328.05	4.774
Total births	498854.71	25143.291	449528	548181.12	5.04
Total deaths	191487.38	12355.076	167249	215725.72	6.452
Total sales	50349.4	3235.229	44002.5	56696.31	6.426
Total home slaughter	44364.3	3439.056	37617.5	51111.08	7.752
Total purchases	11019.95	784.26	9481.38	12558.52	7.117
Off-take	83437.19	6251.887	71172.2	95702.21	7.493
Sheep					
Total goats	214233.65	7655.33	199215.33	229251.97	3.57
Total births	78540	2834.23	72979.77	84100.23	3.61
Total deaths	24989.75	1121.99	22788.62	27190.88	4.49
Total sales	9496.03	810.71	7905.57	11086.49	8.54
Total home slaughter	7230.04	357.05	6529.58	7930.5	4.94
Total purchases	2958.47	266.98	2434.71	3482.23	9.02
Off-take	13752.54	1015.78	11759.76	15745.31	7.39
Other Livestock					
Total donkeys/mules	172189.78	6815	158820.02	185559.53	3.96
Total horses	26608	1730.14	23213.79	30002.21	6.5
Total pigs	3286.43	430.42	2442.03	4130.84	13.1
Chicken population	569935.46	27998.56	515007.56	624863.37	4.91
Total donkeys/mules	172189.78	6815	158820.02	185559.53	3.96
Total horses	26608	1730.14	23213.79	30002.21	6.5
Total pigs	3286.43	430.42	2442.03	4130.84	13.1

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