FO 007 909 261

1980 Botswana Agricultural Statistics

Gaborone Region

Agricultural Statistics Unit
Planning & Statistics
Ministry of Agriculture

Central Statistics Office
Ministry of Finance & Development Planning

PREFACE AND ACKNOWLEDGEMENTS

This is one of five regional agricultural statistics reports that are available in addition to the National Agricultural Statistics Report. This is the first time a series of regional reports have been published by the Agricultural Statistics Unit. They are part of an expanding program to provide more accurate and timely agricultural data needed for policy decisions and planning purposes.

The main feature of this report is that frequency distributions by size of holding are presented at a regional level. Also, the coefficients of variation are presented for the first time for regional estimates.

The data contained here can be used independently of any other. However, it is recommended that the 1980 National Agricultural Statistics be used in conjunction with this report. The National publication contains regional data on holder characteristics and farming practices that are not presented elsewhere. Also, a more detailed text is presented on area of coverage, methodology, training, data collection, summarization and limitations of data.

A project such as this can only be accomplished with the cooperation and dedication of all those who are associated with it. Special thanks are due to the following individuals: Sello Pheko, Rahamed Khan, Dikeme Seikanelo and Sekgele Kgomotso, Gaborone Region Statistical Team; David Benedetti, Evaluation Communications Officer; Geoff Hinchliffe, Systems Analyst/ Programmer; Christine Beswick, Typist; and to the Office Staff, Agricultural Statistics Unit.

M. G. SINGH
Mathematical Statistician
Central Statistics Office
Ministry of Finance and Development
Planning

WILLIAM F. KELLY
Mathematical Statistician
Planning and Statistics
Ministry of Agriculture

Page

TABLE 9: GOAT HERD COMPOSITION Number of Males and Females Under One Year by Districts and Size of Goat Holding, Traditional Farms 16

TABLE 10: GOAT HERD COMPOSITION Percentage of Males and Females One Year and Over, and Males and Females Under One Year by Districts and Size of Goat Holding, Traditional Farms 17

TABLE 11: GOAT INVENTORY Births, Deaths, Sales, Home Slaughter and Purchases by Districts and Size of Goat Holding, Traditional Farms 18

TABLE 12: GOAT INVENTORY Ratio of Births, Deaths, Sales, Home Slaughter and Purchases to Total Goats by Districts and Size of Goat Holding, Traditional Farms 19

TABLE 13: SHEEP Farms, Animals and Average Size by Districts and Size of Sheep Holding, Traditional Farms 20

TABLE 14: SHEEP HERD COMPOSITION Number of Males and Females One Year and Over, and Males and Females Under One Year by Districts and Size of Sheep Holding, Traditional Farms 22

TABLE 15: SHEEP HERD COMPOSITION Percentage of Males and Females One Year and Over, and Males and Females Under One Year by Districts and Size of Sheep Holding, Traditional Farms 23

TABLE 16: SHEEP INVENTORY Births, Deaths, Sales, Home Slaughter and Purchases by Districts and Size of Sheep Holding, traditional Farms 24

TABLE 17: SHEEP INVENTORY Ratio of Births, Deaths, Sales, Home Slaughter, and Purchases to Total Sheep by Districts and Size of Sheep Holding, Traditional Farms 25

TABLE 18: DONKEYS/MULES Farms, Animals and Average Size by Districts and Size of Donkey/Mule Holding, Traditional Farms 26

TABLE 19: CHICKENS Farms, Birds and Average Size by Districts and Size of Flock, Traditional Farms 27

CROPS

TABLE 20: TOTAL LAND Farms, Area and Land Area per Farm by Districts and Size of Land Holdings, Traditional Farms 30

1980 AGRICULTURAL STATISTICS

GABORONE REGION

Table of Contents

		Page
Introduction		1
TABLES		
	SUMMARY	
TABLE 1:	Summary of Traditional Livestock Estimates with Coefficients of Variation.....	2
TABLE 2:	Summary of Traditional Crop Estimates with Coefficients of Variation	3
	CATTLE	
TABLE 3:	CATTLE Farms, Animals and Average Size by Districts and Size of Cattle Holding, Traditional Farms	6
TABLE 4:	CATTLE HERD COMPOSITION Bulls, Oxen, Cows, Tollies, Heifers and Calves by Districts and Size of Cattle Holding, Traditional Farms	8
TABLE 5:	CATTLE HERD COMPOSITION Bulls, Oxen, Cows, Tollies, Heifers and Calves by Districts and Size of Cattle Holding, Traditional Farms	9
TABLE 6:	CATTLE INVENTORY Births, Deaths, Sales, Home Slaughter and Purchases by Districts and Size of Cattle Holding, Traditional Farms	10
TABLE 7:	CATTLE INVENTORY Ratio of Births to Cows and Deaths, Sales, Home Slaughter and Purchases to Total Cattle by Districts and Size of Cattle Holding, Traditional Farms	11
	GOATS, SHEEP, OTHER LIVESTOCK	
TABLE 8:	GOATS Farms, Animals and Average Size by District and Size of Goat Holding, Traditional Farms	14
TABLE 9:	GOAT HERD COMPOSITION Number of Males and Females One Year and Over, and Males and Females Under One Year by Districts and Size of Goat Holding, Traditional Farms	16

Page

TABLE 21: CROP LAND (PLANTED LAND) Farms, Area Planted and Area Planted per Farm by Districts and Size of Area Planted, Traditional Farms 31

TABLE 22: HARVESTED LAND Farms, Ratio of Farms Harvested to Crop Farms, Area Harvested, Ratio of Area Harvested to Planted and Area Harvested per Farm by Districts and Size of Area Planted, Tradiional Farms 33

TABLE 23: SORGHUM PLANTED. Farms, Area and Area Planted per Farm by Districts and Size of Sorghum Area Planted, Traditional Farms 34

TABLE 24: SORGHUM HARVESTED: Farms, Ratio of Farms Harvested to Planted, Area, Ratio of Area Harvested to Planted and Area Harvested per Farm by Districts and Size of Sorghum Area Planted, Traditional Farms 35

TABLE 25: SORGHUM PRODUCTION Total Production, Production per Harvested Farm and Average Yield per Hectare by Districts and Size of Sorghum Area Planted, Traditional Farms 36

TABLE 26: MAIZE PLANTED Farms, Area and Area Planted per Farm by Districts and Size of Maize Area Planted, Traditional Farms 37

TABLE 27: MAIZE PRODUCTION Total Production, Production per Harvested Farm and Average Yield per Hectare by Districts and Size of Maize Area Planted, Traditional Farms 38

TABLE 28: MAIZE HARVESTED Farms, Ratio of Farms Harvested to Planted, Area, Ratio of Area Harvested to Planted and Area Harvested per Farm by Districts and Size of Maize Area Planted, Traditional Farms 39

TABLE 29: MILLET PLANTED Farms, Area and Area Planted per Farm by Districts and Size of Millet Area Planted, Traditional Farms 40

TABLE 30: MILLET HARVESTED: Farms, Ratio of Farms Harvested to Planted, Area, Ratio of Area Harvested to Planted and Area Harvested per Farm by Districts and Size of Millet Area Planted, Traditional Farms 41

TABLE 31: MILLET PRODUCTION Total Production, Production per Harvested Farm and Average Yield per Hectare by Districts and Size of Millet Area Planted, Traditional Farms 42

TABLE 32: BEANS PLANTED Farms, Area and Area Planted per Farm by Districts and Size of Bean Area Planted Traditional Farms 43

Page

TABLE 33: BEANS HARVESTED Farms, Ratio of Farms Harvested to Planted, Area, Ratio of Area Harvested to Planted and Area Harvested per Farm by Districts and Size of Bean Area Harvested, Traditional Farms 44

TABLE 34: BEAN PRODUCTION Total Production, Production per Harvested Farm and Average Yield per Hectare by Districts and Size of Bean Area Planted, Traditional Farms 45

TABLE 35: FOUR CROPS PLANTED (Sorghum, Maize, Millet, Beans) Farms, Area and Area Planted per Farm by Districts and Size of Four Crop Area Planted, Traditional Farms ... 46

TABLE 36: FOUR CROPS HARVESTED (Sorghum, Maize, Millet, Beans) Farms, Ratio of Farms Harvested to Planted, Area, Ratio of Area Harvested to Planted and Area Harvested per Farm by Districts and Size of Four Crop Area Planted, Traditional Farms 47

TABLE 37: FOUR CROPS PRODUCTION (Sorghum, Maize, Millet, Beans) Total Production, Production per Harvested Farm and Average Yield per Hectare by Districts and Size of Four Crop Area Planted, Traditional Farms... 48

APPENDIX

TABLE A: APPENDIX 1 Farms, Sex of Holder, Total Land and Area Planted by Size of Cattle Holding, Traditional Farms 50

TABLE B: APPENDIX 1 Area Harvested, Total Production, Production per Farm and Average Yield by Size of Cattle Holding, Traditional Farms 51

TABLE A: APPENDIX II Farms, Sex of Holder, Total Land and Area Planted by Size of Total Production, Traditional Farms 52

TABLE B: APPENDIX II Area Harvested, Total Production, Production per Farm and Average Yield per Farm, by Size of Total Production, Traditional Farms ... 53

TABLE A: APPENDIX III Farms, Sex of Holder, Total Land and Area Planted by Size of Average Yield per Hectare, Traditional Farms 54

TABLE B: APPENDIX III Harvested Area, Total Production, Production per Farm and Average Yield per Hectare by Size of Average Yield per Hectare, Traditional Farms . 55

Page

FIGURES

FIGURE 1: Traditional Cattle by Districts..... 7

FIGURE 2: Traditional Goats by Districts 15

FIGURE 3: Traditional Sheep by Districts 21

FIGURE 4: Traditional Area Planted by Districts 32

GABORONE REGION

1980 AGRICULTURAL STATISTICS

The Gaborone Region 1980 Agricultural Statistics contains data on the Traditional farmers living in the Agricultural Extension Districts of Bamalete, Kweneng South Kweneng North, and Kgatleng. Excluded from the survey are the traditional farms living "year around" in Gaborone. Also, data on the commercial farms are excluded in this report.

Estimates were obtained from a probability sample survey using an area frame. The land area was stratified according to lands, cattle post and village areas. At the first stage of sampling the total area was divided into 740 blocks 52 of which were selected from the three above strata for each of the three districts. The secondary sampling unit was the farm holder within the blocks. A total of 355 farm holders were selected for about one out of every 50 farm holders.

The measure of the precision for regional estimates is stated in terms of the relative standard error called the coefficient of variation (C.V.). The standard error is calculated by multiplying the estimate by the coefficient of variation. The coefficients of variation are shown in summary Tables 1 and 2 for the Gaborone Region estimates.

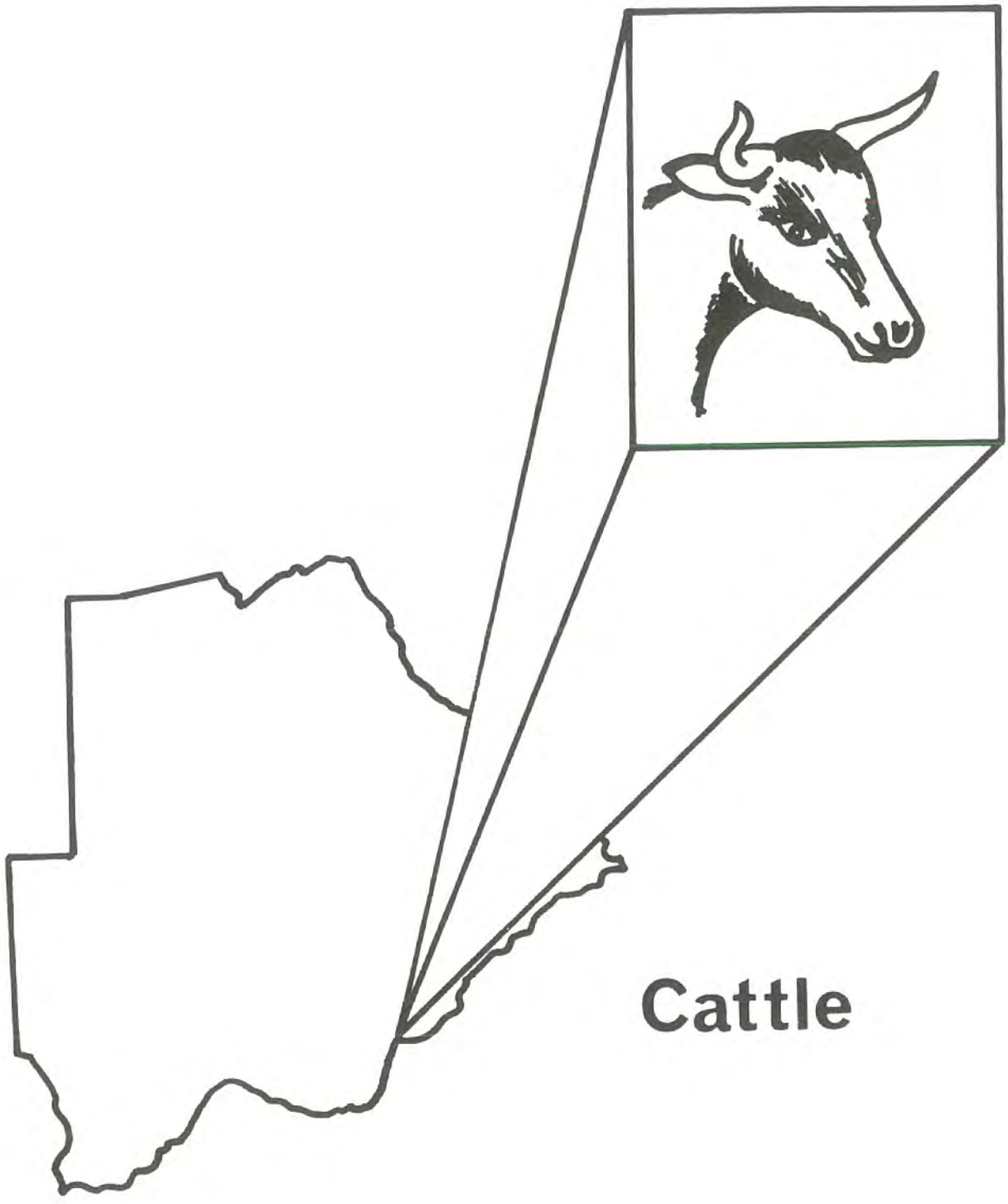
The survey data was collected by one survey team comprised of a supervisor, four enumerators, and a driver with vehicle. Further information on data collection, training, etc., can be found in the 1980 National Agricultural Statistics.

TABLE 1 : Summary of Traditional Livestock Estimates with Coefficients of Variation for Gaborone Region - 1980 Agricultural Statistics

Category	Traditional	Coefficient of Variation
	Number	Percent
TOTAL FARMS	17,900	10.1
CATTLE:		
Cattle farms	11,900	11.1
Total cattle	395,000	23.8
Bulls	8,300	19.6
Oxen	48,100	28.5
Cows	147,800	24.8
Tollies	51,600	18.2
Heifers	57,100	20.5
Calves	82,100	27.6
Births	97,000	24.8
Deaths	65,000	22.2
Sales	42,500	29.2
Purchases	8,000	34.7
Home slaughter	2,400	30.6
SHEEP:		
Sheep farms	2,500	20.3
Total sheep	22,000	27.4
Males one year & over	3,000	35.0
Females one year & over	13,000	26.2
Males under one year	2,900	30.7
Females under one year	3,100	33.3
Births	9,600	23.4
Deaths	7,900	28.8
Sales	900	38.0
Purchases	200	75.5
Home Slaughter	1,000	47.3
GOATS:		
Goat farms	9,500	11.6
Total goats	117,000	16.4
Males one year & over	14,600	14.7
Females one year & over	63,700	16.4
Males under one year	18,100	19.0
Females under one year	20,600	17.7
Births	57,500	17.3
Deaths	48,200	17.4
Sales	4,900	19.4
Purchases	2,300	62.7
Home slaughter	5,400	23.1
OTHER LIVESTOCK:		
Mule/Donkey farms	4,500	14.8
Mules/donkeys	24,800	18.0
Horse farms	1,150	36.1
Horses	2,900	47.4
Chicken farms	15,200	11.0
Chickens	201,000	12.5

TABLE 2 : Summary of Traditional Crop Estimates with Coefficients of Variation for Gaborone Region - 1980 Agricultural Statistics

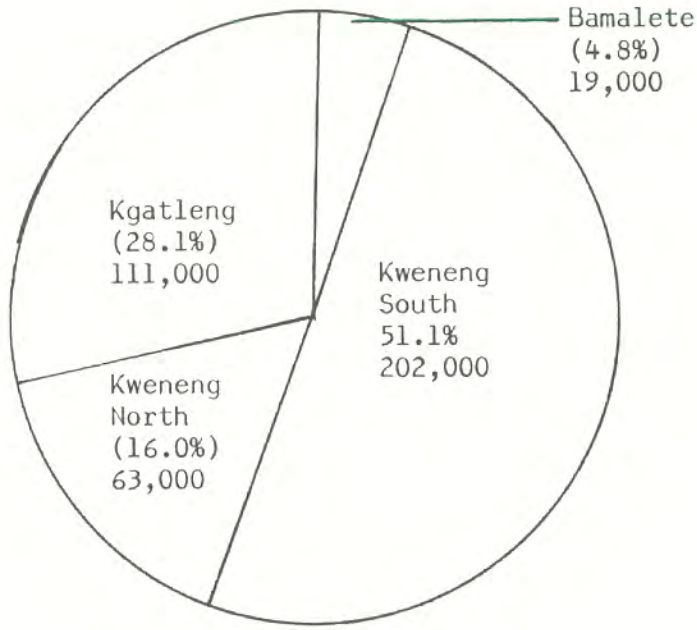
Category	Traditional	Coefficient of Variation
	Number	Percent
TOTAL CROPS:		
Farms with land	16,100	11.3
Farms with crops planted	15,400	11.6
Total land area (hectares)	73,900	11.9
Total area planted (hectares)	65,800	10.9
Total area harvested (hectares)	51,000	12.6
SORGHUM:		
Farms	15,100	12.0
Area planted (hectares)	43,400	13.6
Area harvested (hectares)	38,500	14.4
Total production (metric tons)	8,220	16.3
Average production (kg/hectare)	214	15.7
MAIZE:		
Farms	10,000	14.3
Area planted (hectares)	12,000	14.6
Area harvested (hectares)	5,500	15.6
Total production (metric tons)	845	18.4
Average production (kg/hectare)	154	18.4
MILLET:		
Farms	3,000	21.0
Area planted (hectares)	3,300	21.1
Area harvested (hectares)	2,900	23.1
Total production (metric tons)	600	23.6
Average production (kg/hectare)	207	24.1
BEANS/PULSES:		
Farms	9,800	14.3
Area planted (hectares)	5,700	15.2
Area harvested (hectares)	3,600	17.3
Total production (metric tons)	535	18.2
Average production (kg/hectare)	149	23.6
FOUR CROPS: (Sorghum, Maize, Millet & Beans):		
Farms	15,400	11.6
Area planted (hectares)	64,400	10.5
Area harvested (hectares)	50,500	12.7
Total production (metric tons)	10,200	14.1
Average production (kg/hectare)	202	15.7



Cattle

TABLE 3 : CATTLE Farms, Animals and Average Size by Districts and Size of Cattle Holding, Traditional Farms Gaborone Region - 1980 Agricultural Statistics

	Cattle Farms		Total Cattle		Average Size
	Number	Percentage	Number (000)	Percentage	Number
DISTRICTS					
Bamalete	1,300	10.9	19.0	4.8	14.6
Kweneng South	4,800	40.3	202.0	51.1	42.1
Kweneng North	2,100	17.7	63.0	16.0	30.0
Kgatleng	3,700	31.1	111.0	28.1	30.0
TOTAL	11,900	100.0	395.0	100.0	33.2
HERD SIZE					
1 - 10	3,200	26.9	21.9	5.5	6.8
11 - 20	3,900	32.8	61.2	15.5	15.7
21 - 30	2,100	17.6	53.2	13.5	25.3
31 - 40	750	6.3	27.2	6.9	36.3
41 - 50	500	4.2	22.7	5.7	45.4
51 - 60	350	2.9	18.0	4.6	51.4
61 - 100	450	3.8	31.8	8.1	70.7
101 +	650	5.5	159.0	40.2	244.6
TOTAL	11,900	100.0	395.0	100.0	33.2



TOTAL CATTLE: 395,000

FIGURE 1: Traditional Cattle by Districts

TABLE 4 : CATTLE HERD COMPOSITION Bulls, Oxen, Cows, Tollies, Heifers and Calves by Districts and Size of Cattle Holding, Traditional Farms Gaborone Region - 1980 Agricultural Statistics

	Bulls	Oxen	Cows	Tollies	Heifers	Calves	Total Cattle
				- Number (000) -			
DISTRICTS							
Bamalete	.5	3.5	6.2	2.6	2.9	3.3	19.0
Kweneng South	4.2	28.7	73.2	26.7	27.8	41.4	202.0
Kweneng North	1.1	5.4	26.2	6.8	8.4	15.1	63.0
Kgatleng	2.5	10.5	42.2	15.5	18.0	22.3	111.0
TOTAL	8.3	48.1	147.8	51.6	57.1	82.1	395.0
HERD SIZE							
1 - 10	.5	3.7	8.9	1.8	3.0	4.0	21.9
11 - 20	1.6	7.4	20.8	11.6	9.0	10.8	61.2
21 - 30	1.3	7.5	17.3	8.1	9.6	9.4	53.2
31 - 40	.9	3.9	9.5	4.3	3.6	5.0	27.2
41 - 50	.7	2.3	8.3	3.4	3.2	4.8	22.7
51 - 60	.3	2.1	5.8	3.1	3.4	3.3	18.0
61 - 100	.7	2.5	12.9	4.4	5.0	6.3	31.8
101 +	2.3	18.7	64.3	14.9	20.3	38.5	159.0
TOTAL	8.3	48.1	147.8	51.6	57.1	82.1	395.0

TABLE 5 : CATTLE HERD COMPOSITION Bulls, Oxen, Cows, Tollies, Heifers and Calves by Districts and Size of Cattle Holding, Traditional Farms Gaborone Region - 1980 Agricultural Statistics

	Bulls	Oxen	Cows	Tollies	Heifers	Calves	Total
				- Percentage -			
DISTRICTS							
Bamalete	2.6	18.4	32.6	13.7	15.3	17.4	100.0
Kweneng South	2.1	14.2	36.2	13.2	13.8	20.5	100.0
Kweneng North	1.7	8.6	41.6	10.8	13.3	24.0	100.0
Kgatleng	2.2	9.5	38.0	14.0	16.2	20.1	100.0
TOTAL	2.1	12.2	37.4	13.0	14.5	20.8	100.0
HERD SIZE							
1 - 10	2.3	16.9	40.6	8.2	13.7	18.3	100.0
11 - 20	2.6	12.1	34.0	19.0	14.7	17.6	100.0
31 - 30	2.4	14.1	32.5	15.2	18.1	17.7	100.0
31 - 40	3.3	14.4	34.9	15.8	13.2	18.4	100.0
41 - 50	3.1	10.1	36.6	15.0	14.1	21.1	100.0
51 - 60	1.7	11.7	32.2	17.2	18.9	18.3	100.0
61 - 100	2.2	7.9	40.6	13.8	15.7	19.8	100.0
101 +	1.4	11.8	40.4	9.4	12.8	24.2	100.0
TOTAL	2.1	12.2	37.4	13.0	14.5	20.8	100.0

TABLE 6 : CATTLE INVENTORY Births, Deaths, Sales, Home Slaughter and Purchases by Districts and Size of Cattle Holding, Traditional Farms Gaborone Region - 1980 Agricultural Statistics

	Births	Deaths	Sales	Home Slaughter	Purchases
			- Number (000) -		
DISTRICTS					
Bamalete	4.0	3.0	1.5	.1	.5
Kweneng South	48.0	34.0	23.7	1.3	5.4
Kweneng North	17.0	10.0	6.1	.3	.6
Kgatleng	28.0	18.0	11.2	.7	1.5
TOTAL	97.0	65.0	42.5	2.4	8.0
HERD SIZE					
0	-	.2	.3	-	-
1 - 10	5.7	6.7	2.0	.4	.6
11 - 20	14.5	13.8	6.0	.5	1.6
21 - 30	11.9	11.1	6.2	.1	1.3
31 - 40	6.3	3.8	1.9	.3	.3
41 - 50	5.6	3.9	1.7	.1	2.6
51 - 60	4.3	2.9	.8	.1	.1
61 - 100	7.7	4.5	2.9	.1	.9
101 +	41.0	18.1	20.7	.8	.6
TOTAL	97.0	65.0	42.5	2.4	8.0

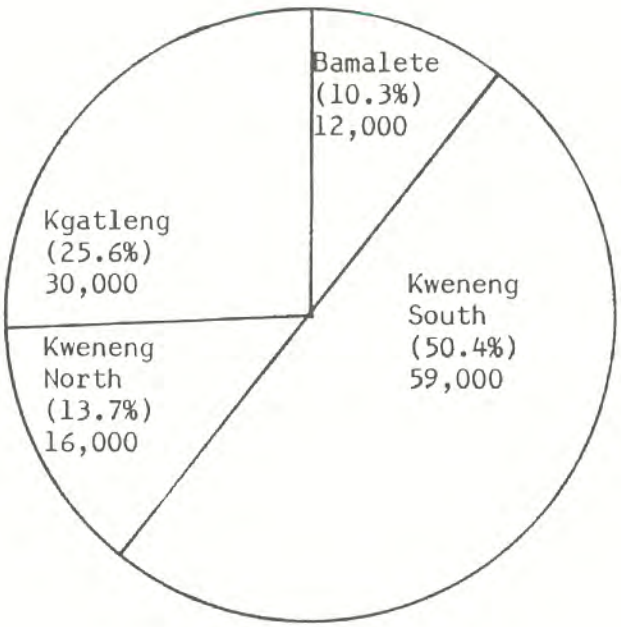
TABLE 7 : CATTLE INVENTORY Ratio of Births to Cows and Deaths, Sales, Home Slaughter and Purchases to Total Cattle by Districts and Size of Cattle Holding, Traditional Farms Gaborone Region - 1980 Agricultural Statistics

	Ratio of Births to Cows	Ratio of Deaths to Total Cattle	Ratio of Sales to Total Cattle	Ratio of Home Slaughter to Total Cattle	Ratio of Purchases to Total Cattle
			- Percentage -		
DISTRICTS					
Bamalete	64.5	15.8	7.9	.5	2.6
Kweneng South	65.6	16.8	11.7	.6	2.7
Kweneng North	64.9	15.9	9.7	.5	1.0
Kgatleng	66.4	16.2	10.1	.6	1.4
TOTAL	65.6	16.5	10.8	.6	2.0
HERD SIZE					
1 - 10	64.0	30.6	9.1	1.8	2.7
11 - 20	69.7	22.5	9.8	.8	2.6
21 - 30	68.8	20.9	11.7	.2	2.4
31 - 40	66.3	14.0	7.0	1.1	1.1
41 - 50	67.5	17.2	7.5	.4	11.5
51 - 60	74.1	16.1	4.4	.6	.6
61 - 100	59.7	14.2	9.1	.3	2.8
101 +	63.8	11.4	13.0	.5	.4
TOTAL	65.6	16.5	10.8	.6	2.0

Goats, Sheep & Other Livestock

TABLE 8 : GOATS Farms, Animals and Average Size by District and Size of Goat Holding, Traditional Farms Gaborone Region - 1980 Agricultural Statistics

	Goat Farms		Total Goats		Average Size
	Number	Percentage	Number (000)	Percentage	Number
DISTRICTS					
Bamalete	1,400	14.7	12.0	10.3	8.6
Kweneng South	4,200	44.2	59.0	50.4	14.0
Kweneng North	1,300	13.7	16.0	13.7	12.3
Kgatleng	2,600	27.4	30.0	25.6	11.5
TOTAL	9,500	100.0	117.0	100.0	12.3
HERD SIZE					
1 - 5	2,600	27.4	9.4	8.0	3.6
6 - 10	3,200	33.7	25.2	21.5	7.9
11 - 15	1,500	15.8	19.3	16.4	12.9
16 - 20	900	9.5	16.0	13.9	17.8
21 - 30	800	8.4	21.1	18.0	26.4
31 +	500	5.2	26.0	22.2	52.0
TOTAL	9,500	100.0	117.0	100.0	12.3



TOTAL GOATS: 117,000

FIGURE 2: Traditional Goats by Districts

TABLE 9 : GOAT HERD COMPOSITION Number of Males and Females One Year and Over, and Males and Females Under One Year by Districts and Size of Goat Holding, Traditional Farms Gaborone Region - 1980 Agricultural Statistics

	Males One Year and Over	Females One Year and Over	Males Under One Year	Females Under One Year	Total
			- Number -		
DISTRICTS					
Bamalete	1.8	6.4	1.7	2.1	12.0
Kweneng South	6.6	32.7	8.9	10.8	59.0
Kweneng North	2.1	8.5	2.7	2.7	16.0
Kgatleng	4.1	16.1	4.8	5.0	30.0
TOTAL	14.6	63.7	18.1	20.6	117.0
HERD SIZE					
1 - 5	1.2	6.3	.8	1.1	9.4
6 - 10	3.4	14.5	3.5	3.8	25.2
11 - 15	3.3	9.9	2.6	3.5	19.3
16 - 20	1.9	8.1	3.3	2.7	16.0
21 - 30	2.1	11.3	3.1	4.6	21.1
31 +	2.7	13.6	4.8	4.9	26.0
TOTAL	14.6	63.7	18.1	20.6	117.0

TABLE 10: GOAT HERD COMPOSITION Percentage of Males and Females One Year and Over, and Males and Females Under One Year by Districts and Size of Goat Holding, Traditional Farms Gaborone Region - 1980 Agricultural Statistics

	Males One Year and Over	Females One Year and Over	Males Under One Year	Females Under One Year	Total
			- Percentage -		
DISTRICTS					
Bamalete	15.0	53.3	14.2	17.5	100.0
Kweneng South	11.2	55.4	15.1	18.3	100.0
Kweneng North	13.1	53.1	16.9	16.9	100.0
Kgatleng	13.7	53.7	16.0	16.6	100.0
TOTAL	12.5	54.4	15.5	17.6	100.0
HERD SIZE					
1 - 5	12.8	67.0	8.5	11.7	100.0
6 - 10	13.5	57.5	13.9	15.1	100.0
11 - 15	17.1	51.3	13.5	18.1	100.0
16 - 20	11.9	50.6	20.6	16.9	100.0
21 - 30	10.0	53.5	14.7	21.8	100.0
31 +	10.4	52.3	18.5	18.8	100.0
TOTAL	12.5	54.4	15.5	17.6	100.0

TABLE 11: GOAT INVENTORY Births, Deaths, Sales, Home Slaughter and Purchases by Districts and Size of Goat Holding, Traditional Farms Gaborone Region - 1980 Agricultural Statistics

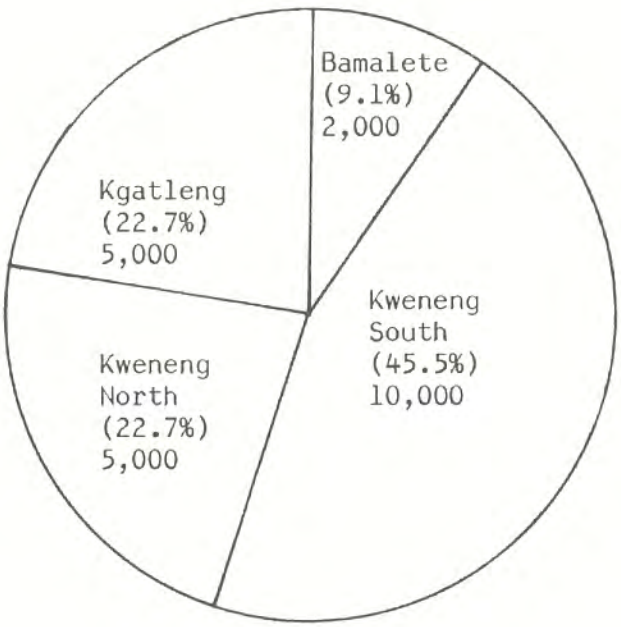
	Births	Deaths	Sales	Home Slaughter	Purchases
			- Number (000) -		
DISTRICTS					
Bamalete	5.2	4.9	.5	1.0	.3
Kweneng South	27.9	23.6	2.1	3.0	1.5
Kweneng North	8.4	6.2	.5	.6	.2
Kgatleng	16.0	13.5	1.8	.8	.3
TOTAL	57.5	48.2	4.9	5.4	2.3
HERD SIZE					
0	.1	.3	.1	.1	-
1 - 5	5.5	8.0	.8	.6	.3
6 - 10	13.9	15.5	.9	1.4	.9
11 - 15	8.6	7.9	1.1	1.1	-
16 - 20	7.6	5.0	.3	.9	.1
21 - 30	9.5	6.0	.6	.5	.8
31 +	12.3	5.5	1.1	.8	.2
TOTAL	57.5	48.2	4.9	5.4	2.3

TABLE 12: GOAT INVENTORY Ratio of Births, Deaths, Sales, Home Slaughter and Purchases to Total Goats by Districts and Size of Goat Holding, Traditional Farms Gaborone Region - 1980 Agricultural Statistics

	Ratio of Births to Total Goats	Ratio of Deaths to Total Goats	Ratio of Sales to Total Goats	Ratio of Home Slaughter to Total Goats	Ratio of Purchases to Total Goats
			- Percentage -		
DISTRICTS					
Bamalete	43.3	40.8	4.2	8.3	2.5
Kweneng South	47.3	40.0	3.6	5.1	2.5
Kweneng North	52.5	38.8	3.1	3.8	1.3
Kgatleng	53.3	45.0	6.0	2.7	1.0
TOTAL	49.1	41.2	4.2	4.6	2.0
HERD SIZE					
1 - 5	58.5	85.1	8.5	6.4	3.2
6 - 10	55.2	61.5	3.6	5.5	3.6
11 - 15	44.6	40.9	5.7	5.7	=
16 - 20	47.5	31.2	1.9	5.6	.6
21 - 30	45.0	28.4	2.8	2.4	3.8
31 +	47.3	21.1	4.2	3.1	.8
TOTAL	49.1	41.2	4.2	4.6	2.0

TABLE 13: SHEEP Farms, Animals and Average Size by Districts and Size of Sheep Holding, Traditional Farms Gaborone Region - 1980 Agricultural Statistics

	Sheep Farms		Total Sheep		Average Size
	Number	Percentage	Number (000)	Percentage	Number
DISTRICTS					
Bamalete	200	8.0	2.0	9.1	10.0
Kweneng South	1,100	44.0	10.0	45.5	9.1
Kweneng North	600	24.0	5.0	22.7	8.3
Kgatleng	600	24.0	5.0	22.7	8.3
TOTAL	2,500	100.0	22.0	100.0	8.8
HERD SIZE					
1 - 5	1,300	52.0	3.8	17.3	2.9
6 - 10	350	14.0	2.4	10.9	6.9
11 - 20	550	22.0	7.6	34.5	13.8
21 +	300	12.0	8.2	37.3	27.3
TOTAL	2,500	100.0	22.0	100.0	8.8



Total Sheep: 22,000

TOTAL 3: Traditional Sheep by Districts

TABLE 14: SHEEP HERD COMPOSITION Number of Males and Females One Year and Over, and Males and Females Under One Year by Districts and Size of Sheep Holding, Traditional Farms Gaborone Region - 1980 Agricultural Statistics

	Males One Year and Over	Females One Year and Over	Males Under One Year	Females Under One Year	Total
			- Number (000) -		
DISTRICTS					
Bamalete	.3	1.2	.2	.3	2.0
Kweneng South	1.3	5.9	1.3	1.5	10.0
Kweneng North	.9	2.8	.7	.6	5.0
Kgatleng	.5	3.1	.7	.7	5.0
TOTAL	3.0	13.0	2.9	3.1	22.0
HERD SIZE					
1 - 5	.2	2.8	.4	.4	3.8
6 - 10	.3	1.4	.3	.4	2.4
11 - 20	1.0	4.0	1.0	1.6	7.6
21 +	1.5	4.8	1.2	.7	8.2
TOTAL	3.0	13.0	2.9	3.1	22.0

TABLE 15 : SHEEP HERD COMPOSITION Percentage of Males and Females One Year and Over, and Males and Females Under One Year by Districts and Size of Sheep Holding, Traditional Farms Gaborone Region - 1980 Agricultural Statistics

	Males One Year and Over	Females One Year and Over	Males Under One Year	Females Under One Year	Total
			- Percentage -		
DISTRICTS					
Bamalete	15.0	60.0	10.0	15.0	100.0
Kweneng South	13.0	59.0	13.0	15.0	100.0
Kweneng North	18.0	56.0	14.0	12.0	100.0
Kgatleng	10.0	62.0	14.0	14.0	100.0
TOTAL	13.6	59.1	13.2	14.1	100.0
HERD SIZE					
1 - 5	5.3	73.7	10.5	10.5	100.0
6 - 10	12.5	58.3	12.5	16.7	100.0
11 - 20	13.2	52.6	13.2	21.0	100.0
21 +	18.3	58.5	14.6	8.6	100.0
TOTAL	13.6	59.1	13.2	14.1	100.0

TABLE 16: SHEEP INVENTORY Births, Deaths, Sales, Home Slaughter and Purchases by Districts and Size of Sheep Holding, Traditional Farms
Gaborone Region - 1980 Agricultural Statistics

	Births	Deaths	Sales	Home Slaughter	Purchases
			- Number (000) -		
DISTRICTS					
Bamalete	.8	.8	.2	.2	-
Kweneng South	3.8	2.6	.3	.5	.2
Kweneng North	2.3	2.2	.1	.1	-
Kgatleng	2.7	2.3	.3	.2	-
TOTAL	9.6	7.9	.9	1.0	.2
HERD SIZE					
0	.4	.6	-	.1	-
1 - 5	1.9	2.5	.5	.3	.1
6 - 10	1.4	2.4	.1	-	-
11 - 20	3.3	1.4	.2	.2	.1
21 +	2.6	1.0	.1	.4	-
TOTAL	9.6	7.9	.9	1.0	.2

TABLE 17: SHEEP INVENTORY — Ratio of Births, Deaths, Sales, Home Slaughter, and Purchases to Total Sheep by Districts and Size of Sheep Holding, Traditional Farms Gaborone Region - 1980 Agricultural Statistics

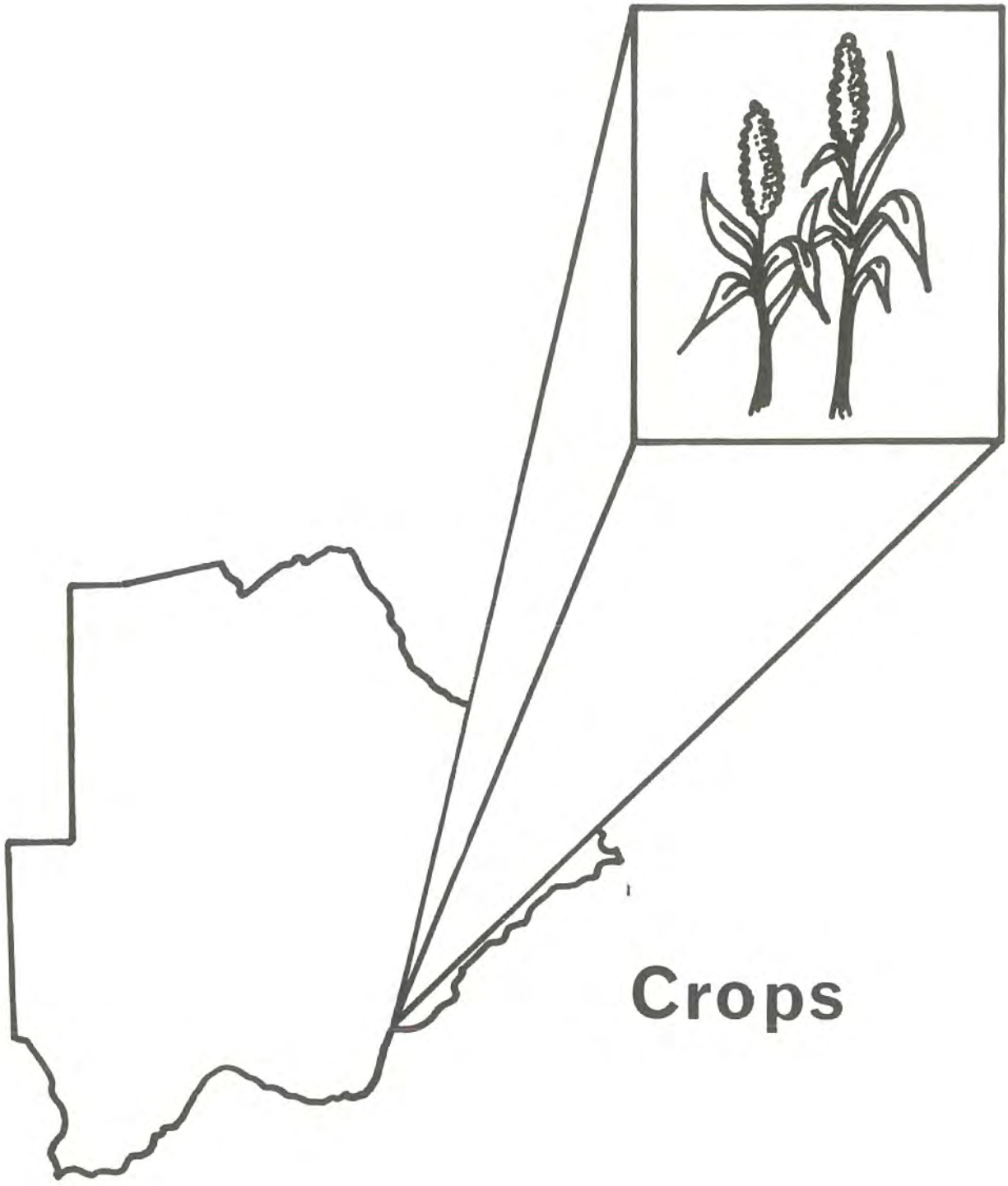
	Ratio of Births to Total Sheep	Ratio of Deaths to Total Sheep	Ratio of Sales to Total Sheep	Ratio of Home Slaughter to Total Sheep	Ratio of Purchases to Total Sheep
			- Percentage -		
DISTRICTS					
Bamalete	40.0	40.0	10.0	10.0	-
Kweneng South	38.0	26.0	3.0	5.0	2.0
Kweneng North	46.0	44.0	2.0	2.0	-
Kgatleng	54.0	46.0	6.0	4.0	-
TOTAL	43.6	35.9	4.1	4.5	.9
HERD SIZE					
1 - 5	50.0	65.8	13.2	7.9	2.6
6 - 10	58.3	100.0	4.2	-	-
11 - 20	43.4	18.4	2.6	2.6	1.3
21 +	31.7	12.2	1.2	4.9	-
TOTAL	43.6	35.9	4.1	4.5	.9

TABLE 18: DONKEYS/MULES Farms, Animals and Average Size by Districts and Size of Donkey/Mule Holding, Traditional Farms Gaborone Region - 1980 Agricultural Statistics

	Donkey/Mule Farms		Total Donkeys/Mules		Average Size
	Number	Percentage	Number (000)	Percentage	Number
DISTRICTS					
Bamalete	400	8.9	3.1	12.5	7.8
Kweneng South	1,800	40.0	4.9	19.8	2.7
Kweneng North	700	15.6	3.9	15.7	5.6
Kgatleng	1,600	35.5	12.9	52.0	8.1
TOTAL	4,500	100.0	24.8	100.0	5.5
HERD SIZE					
1 - 5	2,700	60.0	7.3	29.4	2.7
6 - 10	1,200	26.7	9.1	36.7	7.6
11 +	600	13.3	8.4	33.9	14.0
TOTAL	4,500	100.0	24.8	100.0	5.5

TABLE 19: CHICKENS Farms, Birds and Average Size by Districts and Size of Flock, Traditional Farms Gaborone Region - 1980 Agricultural Statistics

	Chicken Farms		Total Chickens		Average Size
	Number	Percentage	Number (000)	Percentage	Number
DISTRICTS					
Bamalete	2,200	14.5	31.0	15.4	14.1
Kweneng South	6,100	40.1	74.0	36.9	12.1
Kweneng North	2,300	15.1	31.0	15.4	13.5
Kgatleng	4,600	30.3	65.0	32.3	14.1
TOTAL	15,200	100.0	201.0	100.0	13.2
FLOCK SIZE					
1 - 5	3,700	24.3	11.7	5.8	3.2
6 - 10	4,100	27.0	35.0	17.4	8.5
11 - 15	2,900	19.1	39.0	19.4	13.4
16 - 20	1,800	11.8	32.5	16.2	18.1
21 - 25	1,000	6.6	23.1	11.5	23.1
26 - 30	700	4.6	21.1	10.5	30.1
31 +	1,000	6.6	38.6	19.2	38.6
TOTAL	15,200	100.0	201.0	100.0	13.2



Crops

TABLE 20: TOTAL LAND Farms, Area and Land Area per Farm by Districts and Size of Land Holdings, Traditional Farms, Gaborone Region - 1980 Agricultural Statistics

	Farms with Land		Land Area		Land Area per Farm
	Number	Percentage	Hectares (000)	Percentage	Hectares
DISTRICTS					
Bamalete	2,200	13.7	8.5	11.5	3.9
Kweneng South	6,300	39.1	23.8	32.2	3.8
Kweneng North	2,700	16.8	14.8	20.0	5.5
Kgatleng	4,900	30.4	26.8	36.3	5.5
TOTAL	16,100	100.0	73.9	100.0	4.6
HECTARAGE SIZE					
.1 - 1.0	750	4.7	.6	.8	.8
1.1 - 2.0	2,200	13.7	3.8	5.1	1.7
2.1 - 3.0	2,550	15.8	6.1	8.3	2.4
3.1 - 4.0	3,250	20.2	11.4	15.4	3.5
4.1 - 5.0	2,100	13.0	9.5	12.9	4.5
5.1 - 6.0	1,400	8.7	7.6	10.3	5.4
6.1 - 7.0	1,450	9.0	9.4	12.7	6.5
7.1 - 10.0	1,500	9.3	12.8	17.3	8.5
10.1 +	900	5.6	12.7	17.2	14.1
TOTAL	16,100	100.0	73.9	100.0	4.6

TABLE 21 : CROP LAND (PLANTED LAND) Farms, Area Planted and Area Planted per Farm by Districts and Size of Area Planted, Traditional Farms, Gaborone Region - 1980 Agricultural Statistics

	Crop Farms		Area Planted		Area Planted per Farm
	Number	Percentage	Hectares (000)	Percentage	Hectares
DISTRICTS					
Bamalete	2,100	13.6	7.7	11.7	3.7
Kweneng South	6,100	39.6	21.6	32.8	3.5
Kweneng North	2,600	16.9	13.2	20.1	5.1
Kgatleng	4,600	29.9	23.3	35.4	5.1
TOTAL	15,400	100.0	65.8	100.0	4.3
HECTARAGE PLANTED					
.1 - 1.0	950	6.2	.7	1.0	.7
1.1 - 2.0	2,300	15.0	3.7	5.6	1.6
2.1 - 3.0	2,850	18.5	6.9	10.5	2.4
3.1 - 4.0	3,250	21.1	11.5	17.5	3.5
4.1 - 5.0	1,200	7.8	5.4	8.2	4.5
5.1 - 6.0	1,450	9.4	7.9	12.0	5.4
6.1 - 7.0	1,300	8.4	8.2	12.5	6.3
7.1 +	2,100	13.6	21.5	32.7	10.2
TOTAL	15,400	100.0	65.8	100.0	4.3

TABLE 22 : HARVESTED LAND Farms, Ratio of Farms Harvested to Crop Farms, Area Harvested, Ratio of Area Harvested to Planted and Area Harvested per Farm by Districts and Size of Area Planted, Traditional Farms Gaborone Region - 1980 Agricultural Statistics

	Farms Harvested	Ratio of Farms Harvested to Crop Farms	Area Harvested	Ratio of Area Harvested to Planted	Area Harvested per Farm
	Number	Percentage	Hectares (000)	Percentage	Hectares
DISTRICTS					
Bamalete	1,800	85.7	5.5	71.4	3.1
Kweneng South	5,100	83.6	15.8	73.1	3.1
Kweneng North	2,400	92.3	10.7	81.1	4.5
Kgatleng	4,300	93.5	19.0	81.5	4.4
TOTAL	13,600	88.3	51.0	77.5	3.8
HECTARAGE PLANTED					
.1 - 1.0	750	79.9	.5	71.4	.7
1.1 - 2.0	1,850	80.4	2.4	64.9	1.3
2.1 - 3.0	2,300	80.7	4.6	66.7	2.0
3.1 - 4.0	3,200	98.5	9.2	80.0	2.9
4.1 - 5.0	950	79.2	3.3	47.0	3.5
5.1 - 6.0	1,450	100.0	7.1	89.9	4.9
6.1 - 7.0	1,050	80.8	5.5	67.1	5.2
7.1 +	2,050	97.6	18.4	85.6	9.0
TOTAL	13,600	88.3	51.0	77.5	3.8

TABLE 23 : SORGHUM PLANTED Farms, Area and Area Planted per Farm by Districts and Size of Sorghum Area Planted, Traditional Farms Gaborone Region - 1980 Agricultural Statistics

	Farms Planted		Area Planted		Area Planted per Farm
	Number	Percentage	Hectares (000)	Percentage	Hectares
DISTRICTS					
Bamalete	2,100	13.9	5.9	13.6	2.8
Kweneng South	6,000	39.8	13.7	31.6	2.3
Kweneng North	2,600	17.2	10.0	23.0	3.8
Kgatleng	4,400	29.1	13.8	31.8	3.1
TOTAL	15,100	100.0	43.4	100.0	2.9
HECTARAGE PLANTED					
.1 - 1.0	1,750	11.6	1.2	2.8	.7
1.1 - 2.0	5,100	33.8	7.8	18.0	1.5
2.1 - 3.0	3,050	20.2	7.3	16.8	2.4
3.1 - 4.0	2,150	14.2	7.5	17.3	3.5
4.1 - 7.0	2,300	15.2	12.0	27.6	5.2
7.1 +	750	5.0	7.6	17.5	10.1
TOTAL	15,100	100.0	43.4	100.0	2.9

TABLE 24: SORGHUM HARVESTED Farms, Ratio of Farms Harvested to Planted, Area, Ratio of Area Harvested to Planted and Area Harvested per Farm by Districts and Size of Sorghum Area Planted, Traditional Farms Gaborone Region - 1980 Agricultural Statistics

	Farms Harvested		Ratio of Farms Harvested to Planted	Area Harvested		Ratio of Area Harvested to Planted	Area Harvested per Farm
	Number	Percentage	Percentage	Hectares (000)	Percentage	Percentage	Hectares
DISTRICTS							
Bamalete	1,700	13.3	81.0	4.5	11.7	76.3	2.6
Kweneng South	4,600	35.9	76.7	11.4	29.6	83.2	2.5
Kweneng North	2,400	18.8	92.3	9.4	24.4	94.0	3.9
Kgatleng	4,100	32.0	93.2	13.2	34.3	95.7	3.2
TOTAL	12,800	100.0	84.8	38.5	100.0	88.7	3.0
HECTARAGE PLANTED							
.1 - 1.0	1,150	9.0	65.7	.9	2.3	75.0	.8
1.1 - 2.0	4,450	34.8	87.3	6.8	17.7	87.2	1.5
2.1 - 3.0	2,550	19.9	83.6	6.3	16.4	86.3	2.5
3.1 - 4.0	1,950	15.2	90.7	6.9	17.9	92.0	3.5
4.1 - 7.0	1,950	15.2	84.8	10.0	26.0	83.3	5.1
7.1 +	750	5.9	100.0	7.6	19.7	100.0	10.1
TOTAL	12,800	100.0	84.8	38.5	100.0	88.7	3.0

TABLE 25: SORGHUM PRODUCTION Total Production, Production per Harvested Farm and Average Yield per Hectare by Districts and Size of Sorghum Area Planted, Traditional Farms Gaborone Region - 1980 Agricultural Statistics

	Total Production		Production per Harvested Farm	Average Yield per Hectare
			Kilograms	Kilograms
DISTRICTS				
Bamalete	1,055	12.9	621	234
Kweneng South	1,910	23.2	415	168
Kweneng North	2,115	25.7	881	225
Kgatleng	3,140	38.2	766	238
TOTAL	8,220	100.0	642	214
HECTARAGE PLANTED				
.1 - 1.0	225	2.7	196	250
1.1 - 2.0	1,560	19.0	351	229
2.1 - 3.0	1,385	16.8	543	220
3.1 - 4.0	1,135	13.9	582	164
4.1 - 7.0	2,005	24.4	1,028	200
7.1 +	1,910	23.2	2,547	251
TOTAL	8,220	100.0	642	214

TABLE 26: MAIZE PLANTED Farms, Area and Area Planted per Farm by Districts and Size of Maize Area Planted, Traditional Farms Gaborone Region - 1980 Agricultural Statistics

	Farms Planted		Area Planted		Area Planted per Farm
	Number	Percentage	Hectares (000)	Percentage	Hectares
DISTRICTS					
Bamalete	1,200	12.0	1.2	10.0	1.0
Kweneng South	3,700	37.0	4.3	35.8	1.2
Kweneng North	1,600	16.0	2.1	17.5	1.3
Kgatleng	3,500	35.0	4.4	36.7	1.3
TOTAL	10,000	100.0	12.0	100.0	1.2
HECTARAGE PLANTED					
.1 - 1.0	5,550	55.5	3.2	26.7	.6
1.1 - 2.0	3,000	30.0	4.3	35.8	1.4
2.1 - 3.0	1,100	11.0	2.7	22.5	2.5
3.1 - 4.0	200	2.0	.7	5.8	3.5
4.1 +	150	1.5	1.1	9.2	7.3
TOTAL	10,000	100.0	12.0	100.0	1.2

TABLE 27: MAIZE PRODUCTION Total Production, Production per Harvested Farm and Average Yield per Hectare by Districts and Size of Maize Area Planted, Traditional Farms Gaborone Region - 1980 Agricultural Statistics

	Total Production		Production per Harvested Farm	Average Yield per Hectare
DISTRICTS	Metric Tons	Percentage	Kilograms	Kilograms
Bamalete	90	10.7	180	180
Kweneng South	415	49.1	244	166
Kweneng North	115	13.6	164	144
Kgatleng	225	26.6	141	132
TOTAL	845	100.0	188	154
HECTARAGE PLANTED				
.1 - 1.0	210	24.9	95	175
1.1 - 2.0	310	36.7	194	135
2.1 - 3.0	170	20.1	309	121
3.1 - 4.0	50	5.9	500	125
4.1 +	105	12.4	2,100	525
TOTAL	845	100.0	188	154

TABLE 28: MAIZE HARVESTED Farms, Ratio of Farms Harvested to Planted, Area, Ratio of Area Harvested to Planted and Area Harvested per Farm by Districts and Size of Maize Area Planted, Traditional Farms Gaborone Region - 1980 Agricultural Statistics

	Farms Harvested		Ratio of Farms Harvested to Planted	Area Harvested		Ratio of Area Harvested to Planted	Area Harvested per Farm
	Number	Percentage	Percentage	Hectares (000)	Percentage	Percentage	Hectares
DISTRICTS							
Bamalete	500	11.1	41.7	.5	9.1	41.7	1.0
Kweneng South	1,700	37.8	45.9	2.5	45.5	58.1	1.5
Kweneng North	700	15.6	43.8	.8	14.5	38.1	1.1
Kgatleng	1,600	35.5	45.7	1.7	30.9	38.6	1.1
TOTAL	4,500	100.0	45.0	5.5	100.0	45.8	1.2
HECTARAGE PLANTED							
.1 - 1.0	2,200	48.9	39.6	1.2	21.8	37.5	.5
1.1 - 2.0	1,600	35.6	53.3	2.3	41.8	53.5	1.4
2.1 - 3.0	550	12.2	50.0	1.4	25.5	51.9	2.5
3.1 - 4.0	100	2.2	50.0	.4	7.4	57.1	4.0
4.1 +	50	1.1	33.3	.2	3.6	18.2	4.0
TOTAL	4,500	100.0	45.0	5.5	100.0	45.8	1.2

TABLE 29: MILLET PLANTED Farms, Area and Area Planted per Farm by Districts and Size of Millet Area Planted, Traditional Farms Gaborone Region - 1980 Agricultural Statistics

	Farms Planted		Area Planted		Area Planted per Farm
	Number	Percentage	Hectares (000)	Percentage	Hectares
DISTRICTS					
Bamalete	150	5.0	.1	3.0	.7
Kweneng South	500	16.7	.3	9.1	.6
Kweneng North	350	11.7	.3	9.1	.9
Kgatleng	2,000	66.6	2.6	78.8	1.3
TOTAL	3,000	100.0	3.3	100.0	1.1
HECTARAGE PLANTED					
.1 - 1.0	1,800	60.0	.9	27.3	.5
1.1 - 2.0	700	23.3	1.0	30.3	1.4
2.1 - 3.0	300	10.0	.7	21.2	2.3
3.1 +	200	6.7	.7	21.2	3.5
TOTAL	3,000	100.0	3.3	100.0	1.1

TABLE 30: MILLET HARVESTED Farms, Ratio of Farms Harvested to Planted, Area, Ratio of Area Harvested to Planted and Area Harvested per Farm by Districts and Size of Millet Area Planted, Traditional Farms Gaborone Region - 1980 Agricultural Statistics

	Farms Harvested		Ratio of Farms Harvested to Planted	Area Harvested		Ratio of Area Harvested to Planted	Area Harvested per Farm
	Number	Percentage	Percentage	Hectares (000)	Percentage	Percentage	Hectares
DISTRICTS							
Bamalete	150	6.2	100.0	.1	3.4	100.0	.7
Kweneng South	450	18.8	90.0	.3	10.4	100.0	.7
Kweneng North	100	4.2	28.6	.1	3.4	33.3	1.0
Kgatleng	1,700	70.8	85.0	2.4	82.8	92.3	1.4
TOTAL	2,400	100.0	80.0	2.9	100.0	87.9	1.2
HECTARAGE PLANTED							
.1 - 1.0	1,350	56.3	75.0	.6	20.7	66.7	.4
1.1 - 2.0	600	25.0	85.7	.9	31.1	90.0	1.5
2.1 - 3.0	250	10.4	83.3	.7	24.1	100.0	2.8
3.1 +	200	8.3	100.0	.7	24.1	100.0	3.5
TOTAL	2,400	100.0	80.0	2.9	100.0	87.9	1.2

TABLE 31 : MILLET PRODUCTION Total Production, Production per Harvested Farm and Average Yield per Hectare by Districts and Size of Millet Area Planted, Traditional Farms Gaborone Region - 1980 Agricultural Statistics

	Total Production		Production per Harvested Farm	Average Yield per Hectare
	Metric Tons	Percentage	Kilograms	Kilograms
DISTRICTS				
Bamalete	15	2.5	100	150
Kweneng South	60	10.0	133	200
Kweneng North	10	1.7	100	100
Kgatleng	515	85.8	303	215
TOTAL	600	100.0	250	207
HECTARAGE PLANTED				
.1 - 1.0	170	28.3	126	283
1.1 - 2.0	215	35.8	358	239
2.1 - 3.0	145	24.2	580	207
3.1 +	70	11.7	350	100
TOTAL	600	100.0	250	207

TABLE 32: BEANS PLANTED Farms, Area and Area Planted per Farm by Districts and Size of Bean Area Planted Traditional Farms Gaborone Region - 1980 Agricultural Statistics

	Farms Planted		Area Planted		Area Planted per Farm
	Number	Percentage	Hectares (000)	Percentage	Hectares
DISTRICTS					
Bamalete	1,200	12.2	.6	10.5	.5
Kweneng South	4,500	45.9	2.4	42.1	.5
Kweneng North	1,400	14.3	.8	14.1	.6
Kgatleng	2,700	27.6	1.9	33.3	.7
TOTAL	9,800	100.0	5.7	100.0	.6
HECTARAGE PLANTED					
.1 - 1.0	8,100	82.7	3.1	54.4	.4
1.1 - 2.0	1,500	15.3	2.0	35.1	1.3
2.1 +	200	2.0	.6	10.5	3.0
TOTAL	9,800	100.0	5.7	100.0	.6

TABLE 33: BEANS HARVESTED Farms, Ratio of Farms Harvested to Planted, Area, Ratio of Area Harvested to Planted and Area Harvested per Farm by Districts and Size of Bean Area Harvested Traditional Farms Gaborone Region - 1980 Agricultural Statistics

	Farms Harvested		Ratio of Farms Harvested to Planted	Area Harvested		Ratio of Area Harvested to Planted	Area Harvested per Farm
	Number	Percentage	Percentage	Hectares (000)	Percentage	Percentage	Hectares
DISTRICTS							
Bamalete	900	16.7	75.0	.4	11.1	66.7	.4
Kweneng South	2,100	38.9	46.7	1.4	38.9	58.3	.7
Kweneng North	800	14.8	57.1	.4	11.1	50.0	.5
Kgatleng	1,600	29.6	59.3	1.4	38.9	73.7	.9
TOTAL	5,400	100.0	55.1	3.6	100.0	63.2	.7
HECTARAGE PLANTED							
.1 - 1.0	4,100	76.0	50.6	1.6	44.4	51.6	.4
1.1 - 2.0	1,150	21.3	76.7	1.6	44.4	80.0	1.4
2.1 +	150	2.7	75.0	.4	11.2	66.7	2.7
TOTAL	5,400	100.0	55.1	3.6	100.0	63.2	.7

TABLE 34 : BEAN PRODUCTION Total Production, Production per Harvested Farm and Average Yield per Hectare by Districts and Size of Bean Area Planted, Traditional Farms Gaborone Region - 1980 Agricultural Statistics

	Total Production		Production per Harvested Farm	Average Yield per Hectare
DISTRICTS	Metric Tons	Percentage	Kilograms	Kilograms
Bamalete	45	8.4	50	112
Kweneng South	200	37.4	95	143
Kweneng North	50	9.3	62	125
Kgatleng	240	44.9	150	171
TOTAL	535	100.0	99	149
HECTARAGE PLANTED				
.1 - 1.0	315	58.9	77	197
1.1 - 2.0	200	37.4	174	125
2.1 +	20	3.7	133	50
TOTAL	535	100.0	99	149

TABLE 35 : FOUR CROPS PLANTED (Sorghum, Maize, Millet, Beans) Farms, Area and Area Planted per Farm by Districts and Size of Four Crop Area Planted, Traditional Farms Gaborone Region - 1980 Agricultural Statistics

	Farms Planted		Area Planted		Area Planted per Farm
	Number	Percentage	Hectares (000)	Percentage	Hectares
DISTRICTS					
Bamalete	2,100	13.6	7.8	12.1	3.7
Kweneng South	6,100	39.6	20.7	32.1	3.4
Kweneng North	2,600	16.9	13.2	20.5	5.1
Kgatleng	4,600	29.9	22.7	35.3	4.9
TOTAL	15,400	100.0	64.4	100.0	4.2
HECTARAGE PLANTED					
.1 - 1.0	950	6.1	.6	.9	.6
1.1 - 2.0	2,500	16.3	4.0	6.2	1.6
2.1 - 3.0	2,950	19.2	7.2	11.2	2.4
3.1 - 4.0	3,100	20.1	10.7	16.6	3.5
4.1 - 5.0	1,250	8.1	5.8	9.0	4.6
5.1 - 6.0	1,400	9.1	7.5	11.7	5.4
6.1 - 7.0	1,400	9.1	9.2	14.3	6.6
7.1 - 10.0	1,250	8.1	10.9	16.9	8.7
10.1 +	600	3.9	8.5	13.2	14.2
TOTAL	15,400	100.0	64.4	100.0	4.2

TABLE 36 : FOUR CROPS HARVESTED (Sorghum, Maize, Millet, Beans) Farms, Ratio of Farms Harvested to Planted, Area, Ratio of Area Harvested to Planted and Area Harvested per Farm by Districts and Size of Four Crop Area Planted, Traditional Farms Gaborone Region - 1980 Agricultural Statistics

	Farms Harvested		Ratio of Farms Harvested to Planted	Area Harvested		Ratio of Area Harvested to Planted	Area Harvested per Farm
	Number	Percentage	Percentage	Hectares (000)	Percentage	Percentage	Hectares
DISTRICTS							
Bamalete	1,800	13.3	85.7	5.5	10.9	70.5	3.1
Kweneng South	4,900	36.3	80.3	15.6	30.9	75.4	3.2
Kweneng North	2,400	17.8	92.3	10.7	21.2	81.1	4.5
Kgatleng	4,400	32.6	95.7	18.7	37.0	82.4	4.2
TOTAL	13,500	100.0	87.7	50.5	100.0	78.4	3.7
HECTARAGE PLANTED							
.1 - 1.0	800	5.9	84.2	.5	1.0	83.3	.6
1.1 - 2.0	1,850	13.7	74.0	2.3	4.5	57.5	1.2
2.1 - 3.0	2,500	18.5	84.7	5.2	10.3	73.6	2.1
3.1 - 4.0	3,000	22.2	96.8	8.8	17.4	82.2	2.9
4.1 - 5.0	1,050	7.8	84.0	3.7	7.3	63.8	3.5
5.1 - 6.0	1,300	9.6	92.9	6.3	12.5	84.0	4.8
6.1 - 7.0	1,200	8.9	85.7	6.8	13.5	73.9	5.7
7.1 - 10.0	1,200	8.9	96.0	9.8	19.4	89.9	8.2
10.1 +	600	4.5	100.0	7.1	14.1	83.5	11.8
TOTAL	13,500	100.0	87.7	50.5	100.0	78.4	3.7

TABLE 37 : FOUR CROPS PRODUCTION (Sorghum, Maize, Millet, Beans) Total Production, Production per Harvested Farm and Average Yield per Hectare by Districts and Size of Four Crop Area Planted, Traditional Farms Gaborone Region - 1980 Agricultural Statistics

	Total Production		Production per Harvested Farm	Average Yield per Hectare
	Metric Tons	Percentage	Kilograms	Kilograms
DISTRICTS				
Bamalete	1,205	11.8	669	219
Kweneng South	2,585	25.3	528	166
Kweneng North	2,290	22.5	954	214
Kgatleng	4,120	40.4	936	220
TOTAL	10,200	100.0	756	202
HECTARAGE PLANTED				
.1 - 1.0	135	1.3	169	270
1.1 - 2.0	600	5.9	324	261
2.1 - 3.0	995	9.8	398	188
3.1 - 4.0	1,560	15.3	520	177
4.1 - 5.0	780	7.6	742	211
5.1 - 6.0	1,385	13.6	1,065	220
6.1 - 7.0	1,225	12.0	1,021	180
7.1 - 10.0	1,850	18.1	1,542	157
10.1 +	1,670	16.4	2,783	235
TOTAL	10,200	100.0	756	202

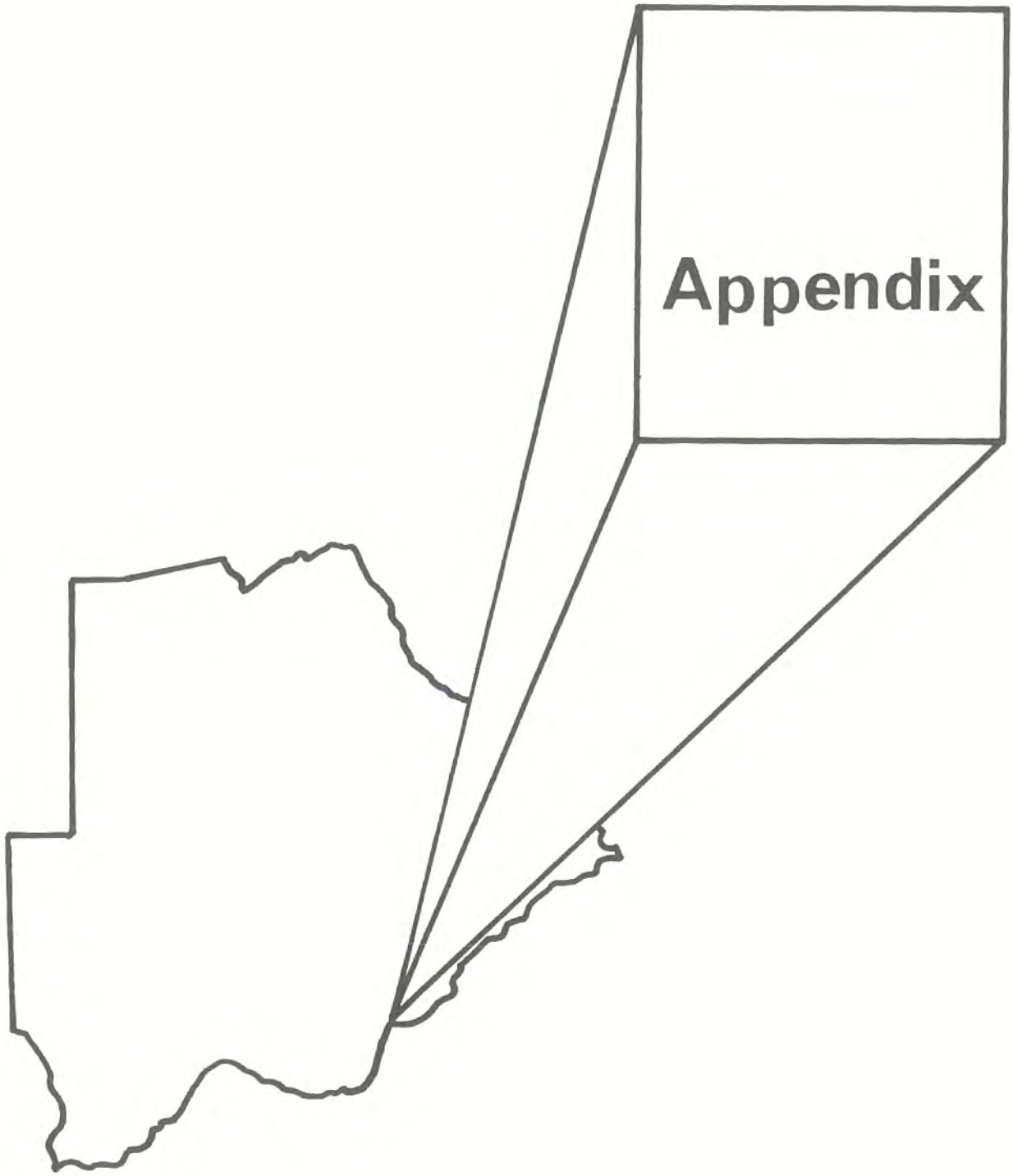

Appendix

TABLE A : APPENDIX I Farms, Sex of Holder, Total Land and Area Planted by Size of Cattle Holding, Traditional Farms Gaborone Region - 1980 Agricultural Statistics

Cattle Size	Farms		Sex of Holder		Total Land		Area Planted Four Crops	
			Male	Female				
	Number	Percentage	- Percentage -		Hectares (000)	Percentage	Hectares (000)	Percent
0	6,000	33.5	42.5	57.5	15.5	21.0	12.7	19.7
1 - 10	3,200	17.9	76.7	23.3	10.5	14.2	9.0	14.0
11 - 20	3,900	21.8	74.4	25.6	22.8	30.9	20.4	31.7
21 - 30	2,100	11.7	89.3	10.7	10.9	14.8	9.8	15.2
31 - 40	750	4.2	74.3	25.7	3.5	4.7	3.0	4.6
41 - 50	500	2.8	62.6	37.4	2.6	3.5	2.3	3.6
51 - 60	350	2.0	55.0	45.0	1.8	2.4	1.6	2.5
61 - 100	450	2.5	83.6	16.4	2.9	3.9	2.5	3.9
101 +	650	3.6	78.9	21.1	3.4	4.6	3.1	4.8
TOTAL TRADITIONAL	17,900	100.0	65.4	34.6	73.9	100.0	64.4	100.0

TABLE B : APPENDIX I Area Harvested, Total Production, Production per Farm and Average Yield by Size of Cattle Holding, Traditional Farms Gaborone Region - 1980 Agricultural Statistics

Cattle Size	Area Harvested Four Crops		Total Production Four Crops		Production per Farm	Average Yield per Hectare
	Hectares (000)	Percentage	Metric Tons	Percentage	Kilograms	Kilograms
0	8.5	16.8	1,855	18.2	309	218
1 - 10	6.7	13.3	1,035	10.2	323	154
11 - 20	16.0	31.7	2,970	29.1	762	186
21 - 30	8.4	16.6	1,810	17.7	862	215
31 - 40	2.7	5.3	590	5.8	787	219
41 - 50	2.2	4.3	460	4.5	920	209
51 - 60	1.3	2.6	125	1.2	357	96
61 - 100	2.2	4.4	790	7.8	1,756	359
101 +	2.5	5.0	565	5.5	869	226
TOTAL TRADITIONAL	50.5	100.0	10,200	100.0	570	202

TABLE A: APPENDIX II Farms, Sex of Holder, Total Land and Area Planted by Size of Total Production
Traditional Farms Gaborone Region - 1980 Agricultural Statistics

Total Production Four Crops	Farms		Sex of Holder		Total Land		Area Planted Four Crops	
			Male	Female				
	Number	Percentage	- Percentage -		Hectares (000)	Percentage	Hectares (000)	Percentage
0	4,400	24.6	66.6	33.4	9.0	12.2	6.2	9.6
1 - 250	3,400	19.0	58.4	41.6	9.1	12.3	7.5	11.7
251 - 500	3,900	21.8	61.8	38.2	15.3	20.7	13.4	20.8
501 - 750	1,900	10.6	68.5	31.5	9.6	13.0	8.5	13.2
751 - 1,000	900	5.0	56.7	43.3	4.9	6.6	4.6	7.1
1,100 - 1,500	1,550	8.7	57.1	42.9	9.4	12.7	8.6	13.4
1,501 - 2,000	1,000	5.6	90.2	9.8	7.6	10.3	6.9	10.7
2,001 - 3,000	450	2.5	100.0	-	3.7	5.0	3.5	5.4
3001 +	400	2.2	84.8	15.2	5.3	7.2	5.2	8.1
TOTAL TRADITIONAL	17,900	100.0	65.4	34.6	73.9	100.0	64.4	100.0

TABLE B : APPENDIX II Area Harvested, Total Production, Production per Farm and Average Yield per Farm, by Size of Total Production, Traditional Farms Gaborone Region - 1980 Agricultural Statistics

Total Production Four Crops	Area Harvested Four Crops		Total Production Four Crops		Production per Farm	Average Yield per Hectare
Kilograms	Hectares (000)	Percentage	Metric Tons	Percentage	Kilograms	Kilograms
0	-	-	-	-	-	-
1 - 250	5.6	11.1	430	4.2	126	77
251 - 500	11.2	22.2	1,490	14.6	382	133
501 - 750	7.3	14.5	1,160	11.4	611	159
751 - 1,000	4.4	8.7	770	7.6	856	175
1,001 - 1,500	8.1	16.0	1,950	19.1	1,258	241
1,501 - 2,000	6.5	12.9	1,650	16.2	1,650	254
2,001 - 3,000	3.1	6.1	1,075	10.5	2,389	347
3,001 +	4.3	8.5	1,675	16.4	4,188	390
TOTAL TRADITIONAL	50.5	100.0	10,200	100.0	570	202

TABLE A : APPENDIX III Farms, Sex of Holder, Total Land and Area Planted by Size of Average Yield per Hectare, Traditional Farms Gaborone Region - 1980 Agricultural Statistics

Average Yield Four Crops	Farms		Sex of Holder		Total Land		Area Planted Four Crops	
			Male	Female				
Kilograms/Hectare	Number	Percentage	- Percentage -		Hectares (000)	Percentage	Hectares (000)	Percentage
0	4,400	24.6	66.6	33.4	9.0	12.2	6.2	9.6
1 - 50	1,000	5.6	70.9	29.1	5.1	6.9	4.4	6.8
51 - 100	2,650	14.8	56.0	44.0	11.6	15.7	10.7	16.6
101 - 150	2,400	13.4	59.4	40.6	12.4	16.8	10.8	16.8
151 - 200	1,800	10.0	76.6	23.4	8.2	11.1	6.8	10.6
201 - 250	2,000	11.2	61.1	38.9	9.3	12.6	8.5	13.2
251 - 300	1,250	7.0	75.7	24.3	7.1	9.6	6.5	10.1
301 - 500	1,550	8.7	74.6	25.4	8.1	10.9	7.5	11.6
501 +	850	4.7	54.7	45.3	3.1	4.2	3.0	4.7
TOTAL TRADITIONAL	17,900	100.0	65.4	34.6	73.9	100.0	64.4	100.0

TABLE B : APPENDIX III Harvested Area, Total Production, Production per Farm and Average Yield per Hectare by Size of Average Yield per Hectare, Traditional Farms Gaborone Region - 1980 Agricultural Statistics

Average Yield Four Crops	Harvested Area Four Crops		Total Production		Production Per Farm	Average Yield per Hectare
	Hectares (000)	Percentage	Metric Tons	Percentage	Kilograms	Kilograms
0	-	-	-	-	-	-
1 - 50	3.5	6.9	140	1.3	140	40
51 - 100	9.7	19.2	785	7.7	296	81
101 - 150	9.4	18.6	1,225	12.0	510	130
151 - 200	6.1	12.1	1,055	10.4	586	173
201 - 250	7.7	15.3	1,695	16.6	848	220
251 - 300	5.5	10.9	1,570	15.4	1,256	285
301 - 500	6.2	12.3	2,195	21.5	1,416	354
500 +	2.4	4.7	1,535	15.1	1,806	640
TOTAL	50.5	100.0	10,200	100.0	570	202

Printed by Government Printer November, 1980