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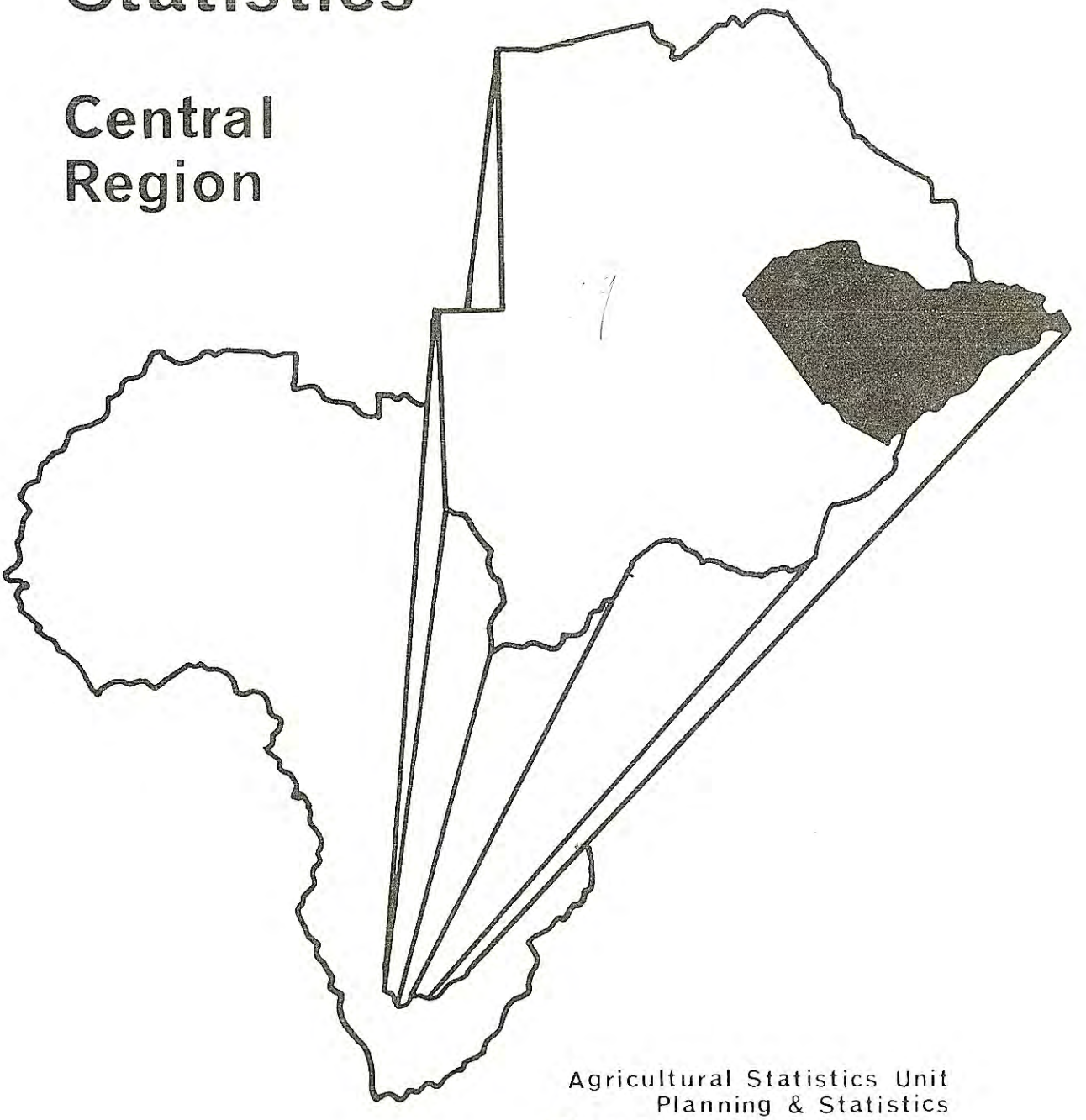
1980 Botswana Agricultural Statistics

Central Region



Agricultural Statistics Unit
Planning & Statistics
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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: Everson Kwelagobe, Thapelo Maruatona, Michael Masabase, Alfred Lokwalo, Monyasa Babotseng, Central Region Statistical Team; David Benedetti, Evaluation Communications Officer; Geoff Hinchliffe, Systems Analyst/ Programmer; Christine Beswick, Typist; and to the Office Staff, Agricultural Statistics Unit.

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1980 AGRICULTURAL STATISTICS

CENTRAL REGION

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CENTRAL REGION

1980 AGRICULTURAL STATISTICS

The Central Region 1980 Agricultural Statistics contains data on the Traditional farmers living in the Agricultural Extension Districts of Mahalapye, Palapye, Serowe, Mmadinare. Excluded from the survey are the traditional farmers living "year around" in Selebi Pikwe. 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 829 blocks 62 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 449 farm holders were selected for about one out of every 56 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 Central Region estimates.

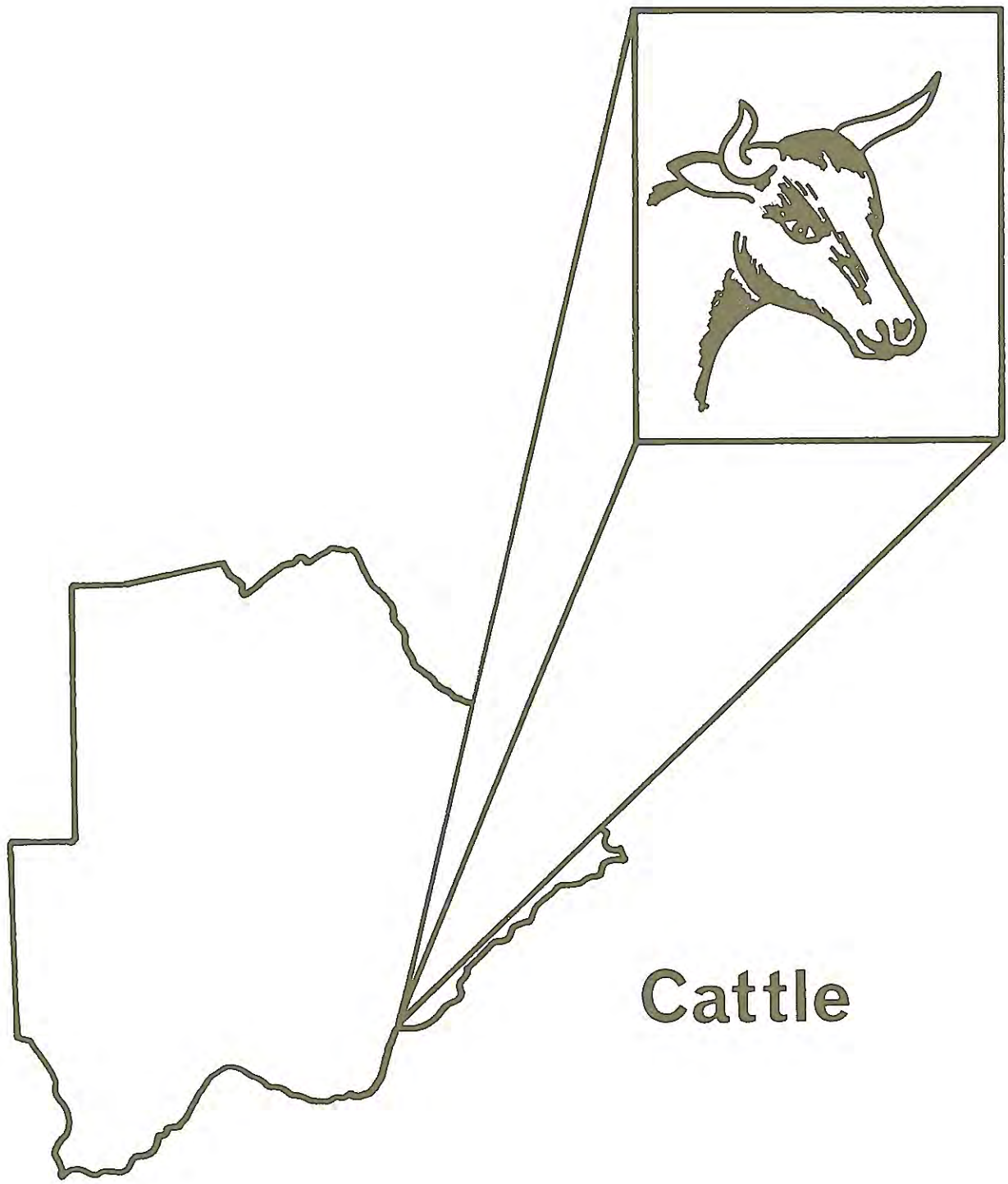
The survey data was collected by one survey team comprised of a supervisor, four enumerators, and a driver with vehicle. Further information on data collection, training, etc., can be found in the 1980 National Agricultural Statistics.

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

Category	Traditional	Coefficient of Variation
	Number	Percent
TOTAL FARMS	25,100	6.7
CATTLE:		
Cattle farms	18,400	7.7
Total cattle	956,000	12.9
Bulls	16,400	10.8
Oxen	115,400	12.7
Cows	414,900	13.2
Tollies	102,900	14.1
Heifers	117,900	14.6
Calves	188,500	13.1
Births	223,000	13.0
Deaths	124,000	11.0
Sales	47,200	21.1
Purchases	8,700	31.4
Home slaughter	6,400	17.3
SHEEP:		
Sheep farms	4,400	13.2
Total sheep	34,000	20.5
Males one year & over	4,000	19.0
Females one year & over	21,000	20.2
Males under one year	4,300	25.7
Females under one year	4,700	27.3
Births	14,200	23.5
Deaths	9,400	22.5
Sales	1,300	44.6
Purchases	600	32.1
Home slaughter	1,300	35.5
GOATS:		
Goat farms	14,600	7.9
Total goats	180,000	12.0
Males one year & over	16,700	13.6
Females one year & over	100,400	10.3
Males under one year	29,300	11.7
Females under one year	33,600	12.9
Births	79,700	11.7
Deaths	62,800	22.3
Sales	5,700	47.5
Purchases	2,300	25.0
Home slaughter	8,300	35.5
OTHER LIVESTOCK:		
Mule/Donkey farms	8,500	12.4
Mules/donkeys	46,900	13.9
Horse farms	450	37.8
Horses	1,800	39.2
Chicken farms	21,400	7.3
Chickens	248,000	8.0

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

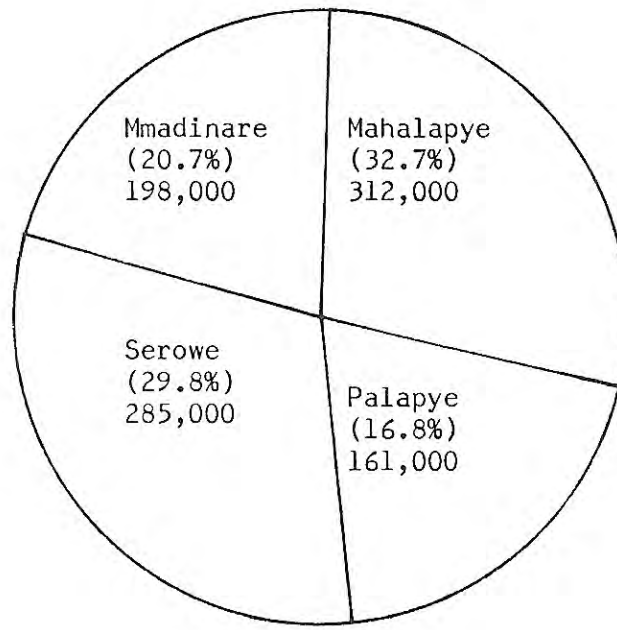
Category	Traditional	Coefficient of Variation
	Number	Percent
TOTAL CROPS:		
Farms with land	22,300	7.9
Farms with crops planted	21,300	10.6
Total land area (hectares)	105,900	9.6
Total area planted (hectares)	91,000	10.2
Total area harvested (hectares)	63,900	12.2
SORGHUM:		
Farms	20,400	8.3
Area planted (hectares)	50,700	10.4
Area harvested (hectares)	45,100	11.8
Total production (metric tons)	8,335	10.9
Average production (kg/hectare)	187	9.6
MAIZE:		
Farms	16,300	9.4
Area planted (hectares)	23,200	11.4
Area harvested (hectares)	9,200	20.2
Total production (metric tons)	1,305	34.8
Average production (kg/hectare)	142	25.5
MILLET:		
Farms	2,100	23.3
Area planted (hectares)	2,300	36.6
Area harvested (hectares)	2,000	42.3
Total production (metric tons)	310	31.6
Average production (kg/hectare)	155	27.2
BEANS/PULSES:		
Farms	12,500	10.0
Area planted (hectares)	9,600	11.9
Area harvested (hectares)	4,400	20.0
Total production (metric tons)	530	18.1
Average production (kg/hectare)	120	21.1
FOUR CROPS:(Sorghum, Maize, Millet & Beans):		
Farms	21,300	10.6
Area planted (hectares)	85,300	10.1
Area harvested (hectares)	60,700	12.2
Total production (metric tons)	10,480	11.2
Average production (kg/hectare)	173	9.7



Cattle

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

	Cattle Farms		Total Cattle		Average Size
	Number	Percentage	Number (000)	Percentage	Number
DISTRICTS					
Mahalapye	5,700	31.0	312.0	32.7	54.7
Palapye	3,900	21.2	161.0	16.8	41.3
Serowe	5,100	27.7	285.0	29.8	55.9
Mmadinare	3,700	20.1	198.0	20.7	53.5
TOTAL	18,400	100.0	956.0	100.0	52.0
HERD SIZE					
1 - 10	2,700	14.8	16.2	1.7	6.0
11 - 20	3,100	16.8	48.6	5.1	15.7
21 - 30	3,100	16.8	80.2	8.5	25.9
31 - 40	2,500	13.6	89.2	9.3	35.7
41 - 50	1,300	7.1	58.6	6.1	45.1
51 - 60	1,200	6.5	67.3	7.0	56.1
61 - 100	2,100	11.4	164.2	17.2	78.2
101 - 150	1,400	7.6	182.8	19.1	130.6
151 +	1,000	5.4	248.9	26.0	248.9
TOTAL	18,400	100.0	956.0	100.0	52.0



Total Cattle: 956,000

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 Central Region - 1980 Agricultural Statistics

	Bulls	Oxen	Cows	Tollies	Heifers	Calves	Total Cattle
				- Number (000) -			
DISTRICTS							
Mahalapye	4.5	42.0	140.3	29.3	34.9	61.0	312.0
Palapye	3.0	19.4	70.9	17.3	20.1	30.3	161.0
Serowe	4.5	36.1	119.5	36.2	32.3	56.4	285.0
Mmadinare	4.4	17.9	84.2	20.1	30.6	40.8	198.0
TOTAL	16.4	115.4	414.9	102.9	117.9	188.5	956.0
HERD SIZE							
1 - 10	.2	1.7	7.0	1.1	2.5	3.7	16.2
11 - 20	.9	7.2	20.2	4.1	6.0	10.2	48.6
21 - 30	2.1	11.0	32.5	9.2	8.4	17.0	80.2
31 - 40	1.5	12.4	35.8	10.4	10.3	18.8	89.2
41 - 50	1.2	8.4	23.4	6.2	6.3	13.1	58.6
51 - 60	1.3	9.7	27.4	8.1	8.7	12.1	67.3
61 - 100	3.1	22.1	74.9	17.3	17.6	29.2	164.2
101 - 150	3.0	19.9	83.8	15.7	25.1	35.3	182.8
151 +	3.1	23.0	109.9	30.8	33.0	49.1	248.9
TOTAL	16.4	115.4	414.9	102.9	117.9	188.5	956.0

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

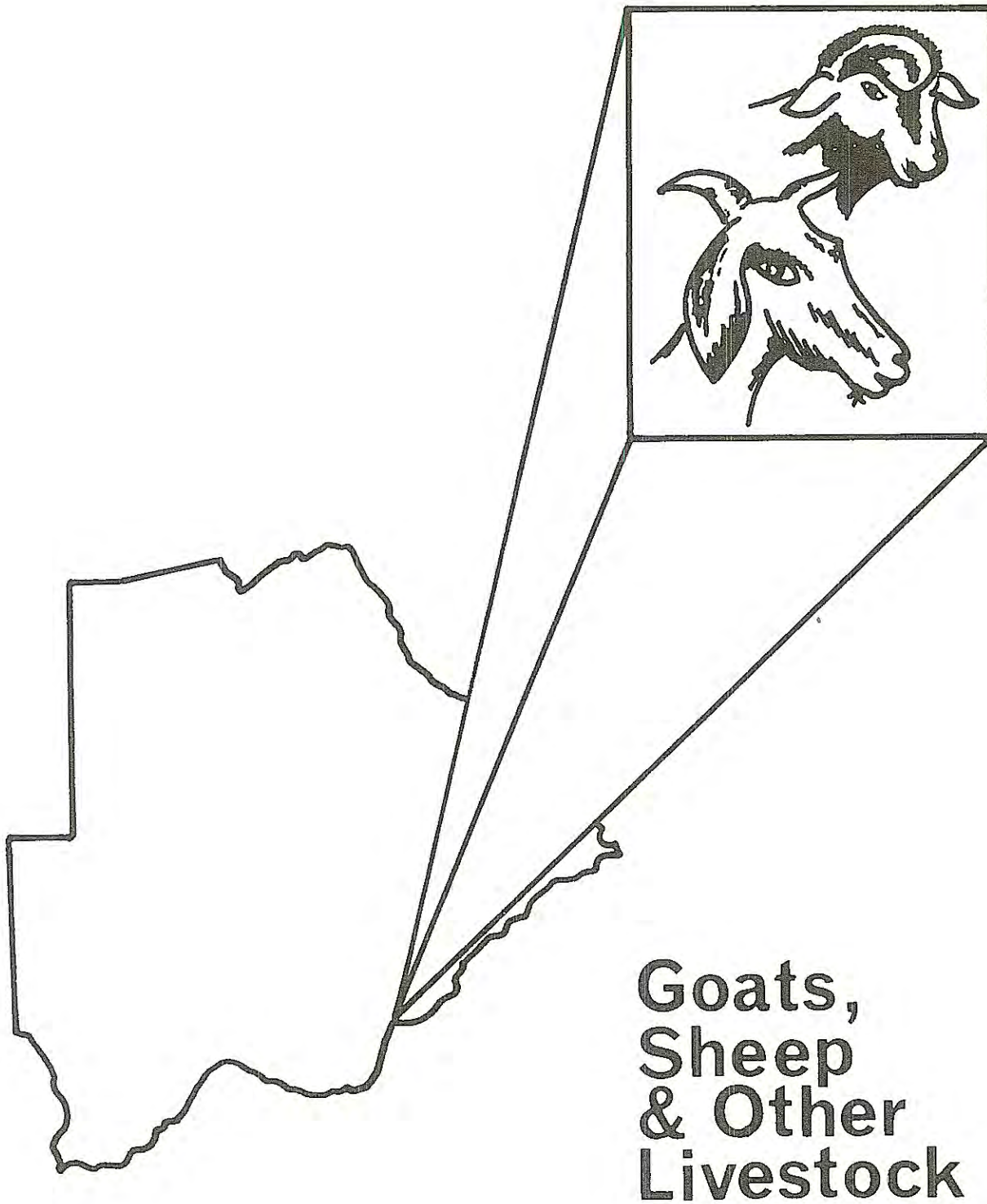
	Bulls	Oxen	Cows	Tollies	Heifers	Calves	Total
				- Percentage -			
DISTRICTS							
Mahalapye	1.4	13.5	45.0	9.4	11.2	19.5	100.0
Palapye	1.9	12.0	44.0	10.8	12.5	18.8	100.0
Serowe	1.6	12.7	41.9	12.7	11.3	19.8	100.0
Mmadinare	2.2	9.0	42.5	10.2	15.5	20.6	100.0
TOTAL	1.7	12.1	43.4	10.8	12.3	19.7	100.0
HERD SIZE							
1 - 10	1.2	10.5	43.2	6.8	15.4	22.9	100.0
11 - 20	1.9	14.8	41.6	8.4	12.3	21.0	100.0
21 - 30	2.6	13.7	40.5	11.5	10.5	21.2	100.0
31 - 40	1.7	13.9	40.1	11.7	11.5	21.1	100.0
41 - 50	2.1	14.3	39.9	10.6	10.8	22.3	100.0
51 - 60	1.9	14.4	40.7	12.1	12.9	18.0	100.0
61 - 100	1.9	13.5	45.6	10.5	10.7	17.8	100.0
101 - 150	1.6	11.0	45.8	8.6	13.7	19.3	100.0
151 +	1.2	9.2	44.2	12.4	13.3	19.7	100.0
TOTAL	1.7	12.1	43.4	10.8	12.3	19.7	100.0

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

	Births	Deaths	Sales	Home Slaughter	Purchases
			- Number (000) -		
DISTRICTS					
Mahalapye	73.0	33.0	13.2	1.4	2.5
Palapye	36.0	24.0	6.8	1.7	1.5
Serowe	64.0	41.0	15.5	1.4	1.9
Mmadinare	50.0	26.0	11.7	1.9	2.8
TOTAL	223.0	124.0	47.2	6.4	8.7
HERD SIZE					
1 - 10	5.1	6.0	1.5	.1	2.0
11 - 20	11.9	8.4	3.1	.8	.9
21 - 30	20.4	11.9	3.5	.5	.5
31 - 40	21.8	14.9	4.5	.5	1.2
41 - 50	14.8	6.0	1.8	.6	.5
51 - 60	16.2	11.9	7.3	.7	.2
61 - 100	36.7	20.7	6.3	1.2	2.3
101 - 150	41.6	22.3	8.4	1.0	.3
151 +	54.5	21.9	10.8	1.0	.8
TOTAL	223.0	124.0	47.2	6.4	8.7

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 Central 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					
Mahalapye	52.0	10.6	4.2	.4	.8
Palapye	50.8	14.9	4.2	1.1	.9
Serowe	53.6	14.4	5.4	.5	.7
Mmadinare	59.4	13.1	5.9	1.0	1.4
TOTAL	53.7	13.0	4.9	.7	.9
HERD SIZE					
1 - 10	72.9	37.0	9.3	.6	12.3
11 - 20	58.9	17.3	6.4	1.6	1.9
21 - 30	62.8	14.8	4.4	.6	.6
31 - 40	60.9	16.7	5.0	.6	1.3
41 - 50	63.2	10.2	3.1	1.0	.9
51 - 60	59.1	17.7	10.8	1.0	.3
61 - 100	49.0	12.6	3.8	.7	1.4
101 - 150	49.6	12.2	4.6	.5	.2
151 +	49.6	8.8	4.3	.4	.3
TOTAL	53.7	13.0	4.9	.7	.9

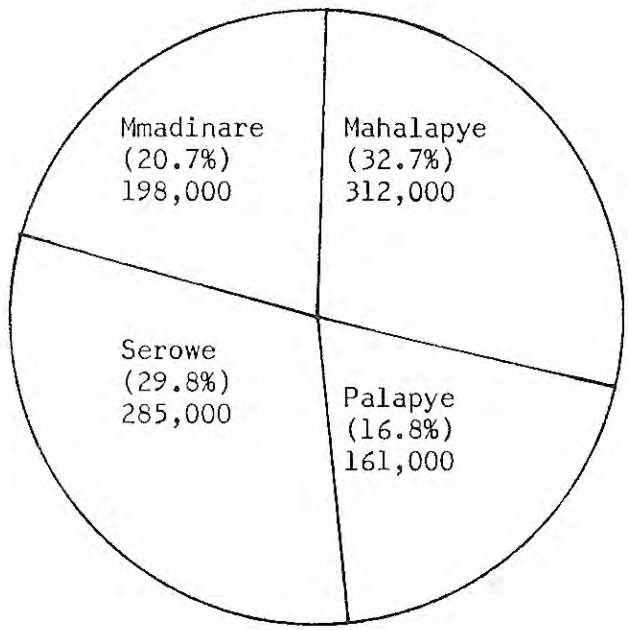


Goats, Sheep & Other Livestock

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

	Goat Farms		Total Goats		Average Size
	Number	Percentage	Number (000)	Percentage	Number
DISTRICTS					
Mahalapye	4,200	28.8	55.0	30.6	13.1
Palapye	3,700	25.3	44.0	24.4	11.9
Serowe	3,100	21.2	35.0	19.4	11.3
Mmadinare	3,600	24.7	46.0	25.6	12.8
TOTAL	14,600	100.0	180.0	100.0	12.3
HERD SIZE					
1 - 5	4,300	29.5	16.4	9.1	3.8
6 - 10	4,100	28.1	30.7	17.1	7.5
11 - 15	2,400	16.4	30.7	17.1	12.8
16 - 20	1,500	10.3	26.4	14.7	17.6
21 - 30	1,300	8.9	32.8	18.2	25.2
31 +	1,000	6.8	43.0	23.8	43.0
TOTAL	14,600	100.0	180.0	100.0	12.3

1980 AGRICULTURAL STATISTICS



Total Cattle: 956,000

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 Central Region - 1980 Agricultural Statistics

	Bulls	Oxen	Cows	Tollies	Heifers	Calves	Total Cattle
				- Number (000) -			
DISTRICTS							
Mahalapye	4.5	42.0	140.3	29.3	34.9	61.0	312.0
Palapye	3.0	19.4	70.9	17.3	20.1	30.3	161.0
Serowe	4.5	36.1	119.5	36.2	32.3	56.4	285.0
Mmadinare	4.4	17.9	84.2	20.1	30.6	40.8	198.0
TOTAL	16.4	115.4	414.9	102.9	117.9	188.5	956.0
HERD SIZE							
1 - 10	.2	1.7	7.0	1.1	2.5	3.7	16.2
11 - 20	.9	7.2	20.2	4.1	6.0	10.2	48.6
21 - 30	2.1	11.0	32.5	9.2	8.4	17.0	80.2
31 - 40	1.5	12.4	35.8	10.4	10.3	18.8	89.2
41 - 50	1.2	8.4	23.4	6.2	6.3	13.1	58.6
51 - 60	1.3	9.7	27.4	8.1	8.7	12.1	67.3
61 - 100	3.1	22.1	74.9	17.3	17.6	29.2	164.2
101 - 150	3.0	19.9	83.8	15.7	25.1	35.3	182.8
151 +	3.1	23.0	109.9	30.8	33.0	49.1	248.9
TOTAL	16.4	115.4	414.9	102.9	117.9	188.5	956.0

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

	Bulls	Oxen	Cows	Tollies	Heifers	Calves	Total
				- Percentage -			
DISTRICTS							
Mahalapye	1.4	13.5	45.0	9.4	11.2	19.5	100.0
Palapye	1.9	12.0	44.0	10.8	12.5	18.8	100.0
Serowe	1.6	12.7	41.9	12.7	11.3	19.8	100.0
Mmadinare	2.2	9.0	42.5	10.2	15.5	20.6	100.0
TOTAL	1.7	12.1	43.4	10.8	12.3	19.7	100.0
HERD SIZE							
1 - 10	1.2	10.5	43.2	6.8	15.4	22.9	100.0
11 - 20	1.9	14.8	41.6	8.4	12.3	21.0	100.0
21 - 30	2.6	13.7	40.5	11.5	10.5	21.2	100.0
31 - 40	1.7	13.9	40.1	11.7	11.5	21.1	100.0
41 - 50	2.1	14.3	39.9	10.6	10.8	22.3	100.0
51 - 60	1.9	14.4	40.7	12.1	12.9	18.0	100.0
61 - 100	1.9	13.5	45.6	10.5	10.7	17.8	100.0
101 - 150	1.6	11.0	45.8	8.6	13.7	19.3	100.0
151 +	1.2	9.2	44.2	12.4	13.3	19.7	100.0
TOTAL	1.7	12.1	43.4	10.8	12.3	19.7	100.0

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

	Births	Deaths	Sales	Home Slaughter	Purchases
			- Number (000) -		
DISTRICTS					
Mahalapye	73.0	33.0	13.2	1.4	2.5
Palapye	36.0	24.0	6.8	1.7	1.5
Serowe	64.0	41.0	15.5	1.4	1.9
Mmadinare	50.0	26.0	11.7	1.9	2.8
TOTAL	223.0	124.0	47.2	6.4	8.7
HERD SIZE					
1 - 10	5.1	6.0	1.5	.1	2.0
11 - 20	11.9	8.4	3.1	.8	.9
21 - 30	20.4	11.9	3.5	.5	.5
31 - 40	21.8	14.9	4.5	.5	1.2
41 - 50	14.8	6.0	1.8	.6	.5
51 - 60	16.2	11.9	7.3	.7	.2
61 - 100	36.7	20.7	6.3	1.2	2.3
101 - 150	41.6	22.3	8.4	1.0	.3
151 +	54.5	21.9	10.8	1.0	.8
TOTAL	223.0	124.0	47.2	6.4	8.7

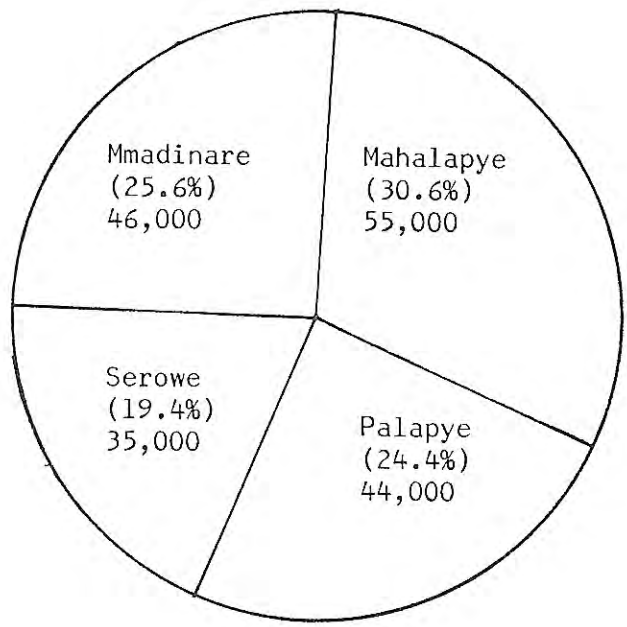
TABLE 7 : CATTLE INVENTORY Ratio of Births to Cows and Deaths, Sales, Home Slaughter and Purchases to Total Cattle by Districts and Size of Cattle Holding, Traditional Farms Central Region - 1980 Agricultural Statistics

	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					
Mahalapye	52.0	10.6	4.2	.4	.8
Palapye	50.8	14.9	4.2	1.1	.9
Serowe	53.6	14.4	5.4	.5	.7
Mmadinare	59.4	13.1	5.9	1.0	1.4
TOTAL	53.7	13.0	4.9	.7	.9
HERD SIZE					
1 - 10	72.9	37.0	9.3	.6	12.3
11 - 20	58.9	17.3	6.4	1.6	1.9
21 - 30	62.8	14.8	4.4	.6	.6
31 - 40	60.9	16.7	5.0	.6	1.3
41 - 50	63.2	10.2	3.1	1.0	.9
51 - 60	59.1	17.7	10.8	1.0	.3
61 - 100	49.0	12.6	3.8	.7	1.4
101 - 150	49.6	12.2	4.6	.5	.2
151 +	49.6	8.8	4.3	.4	.3
TOTAL	53.7	13.0	4.9	.7	.9

Goats, Sheep & Other Livestock

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

	Goat Farms		Total Goats		Average Size
	Number	Percentage	Number (000)	Percentage	Number
DISTRICTS					
Mahalapye	4,200	28.8	55.0	30.6	13.1
Palapye	3,700	25.3	44.0	24.4	11.9
Serowe	3,100	21.2	35.0	19.4	11.3
Mmadinare	3,600	24.7	46.0	25.6	12.8
TOTAL	14,600	100.0	180.0	100.0	12.3
HERD SIZE					
1 - 5	4,300	29.5	16.4	9.1	3.8
6 - 10	4,100	28.1	30.7	17.1	7.5
11 - 15	2,400	16.4	30.7	17.1	12.8
16 - 20	1,500	10.3	26.4	14.7	17.6
21 - 30	1,300	8.9	32.8	18.2	25.2
31 +	1,000	6.8	43.0	23.8	43.0
TOTAL	14,600	100.0	180.0	100.0	12.3



Total Goats: 180,000

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 Central 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					
Mahalapye	5.2	30.1	10.6	9.1	55.0
Palapye	4.3	24.4	6.9	8.4	44.0
Serowe	3.5	19.4	5.3	6.8	35.0
Mmadinare	3.7	26.5	6.5	9.3	46.0
TOTAL	16.7	100.4	29.3	33.6	180.0
HERD SIZE					
1 - 5	1.3	10.8	1.9	2.4	16.4
6 - 10	2.8	17.6	3.8	6.5	30.7
11 - 15	3.3	17.6	5.1	4.7	30.7
16 - 20	2.5	14.2	4.1	5.6	26.4
21 - 30	3.1	17.6	6.4	5.7	32.8
31 +	3.7	22.6	8.0	8.7	43.0
TOTAL	16.7	100.4	29.3	33.6	180.0

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 Central 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					
Mahalapye	9.5	54.7	19.3	16.5	100.0
Palapye	9.8	55.4	15.7	19.1	100.0
Serowe	10.0	55.4	15.2	19.4	100.0
Mmadinare	8.1	57.6	14.1	20.2	100.0
TOTAL	9.3	55.8	16.3	18.6	100.0
HERD SIZE					
1 - 5	7.9	65.9	11.6	14.6	100.0
6 - 10	9.1	57.3	12.4	21.2	100.0
11 - 15	10.8	57.3	16.6	15.3	100.0
16 - 20	9.5	53.8	15.5	21.2	100.0
21 - 30	9.4	53.7	19.5	17.4	100.0
31 +	8.6	52.6	18.6	20.2	100.0
TOTAL	9.3	55.8	16.3	18.6	100.0

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

	Births	Deaths	Sales	Home Slaughter	Purchases
			- Number (000) -		
DISTRICTS					
Mahalapye	24.0	15.5	1.8	2.2	.9
Palapye	19.2	12.3	1.0	2.2	.3
Serowe	15.1	13.4	.6	1.1	.2
Mmadinare	21.4	21.6	2.3	2.8	.9
TOTAL	79.7	62.8	5.7	8.3	2.3
HERD SIZE					
0	.5	1.6	.1	.1	-
1 - 5	7.5	11.1	.7	1.2	.6
6 - 10	12.8	21.2	2.2	3.2	.4
11 - 15	13.4	8.8	.7	1.4	.2
16 - 20	12.0	5.2	.3	1.1	.7
21 - 30	14.9	7.7	.7	.7	.2
31 +	18.6	7.2	1.0	.6	.2
TOTAL	79.7	62.8	5.7	8.3	2.3

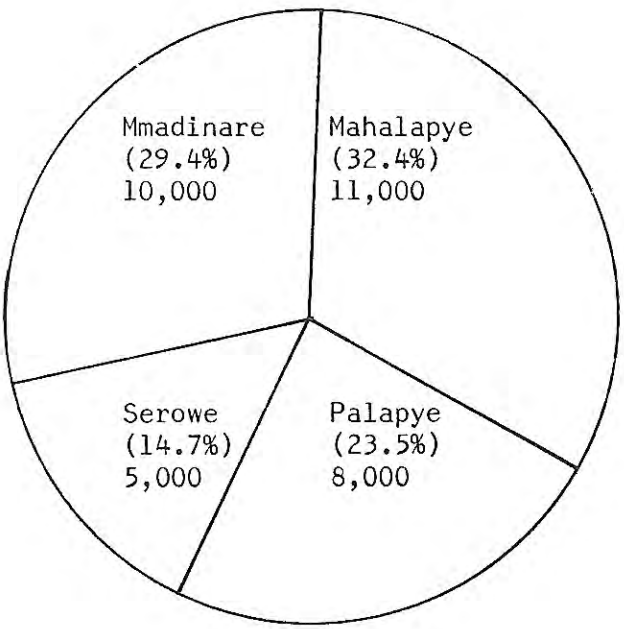
TABLE 12 : GOAT INVENTORY Ratio of Births, Deaths, Sales, Home Slaughter and Purchases to Total Goats by Districts and Size of Goat Holding, Traditional Farms Central Region - 1980 Agricultural Statistics

	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					
Mahalapye	43.6	28.2	3.3	4.0	1.6
Palapye	43.6	28.0	2.3	5.0	.7
Serowe	43.1	38.3	1.7	3.1	.6
Mmadinare	46.5	47.0	5.0	6.1	2.0
TOTAL	44.3	34.9	3.2	4.6	1.3
HERD SIZE					
1 - 5	45.7	67.7	4.3	7.3	3.7
6 - 10	41.7	69.1	7.2	10.4	1.3
11 - 15	43.6	28.7	2.3	4.6	.7
16 - 20	45.4	19.7	1.1	4.2	2.6
21 - 30	45.4	23.5	2.1	2.1	.6
31 +	43.3	16.7	2.3	1.4	.5
TOTAL	44.3	34.9	3.2	4.6	1.3

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

	Sheep Farms		Total Sheep		Average Size
	Number	Percentage	Number (000)	Percentage	Number
DISTRICTS					
Mahalapye	1,300	29.5	11.0	32.4	8.5
Palapye	900	20.5	8.0	23.5	8.9
Serowe	700	15.9	5.0	14.7	7.1
Mmadinare	1,500	34.1	10.0	29.4	6.7
TOTAL	4,400	100.0	34.0	100.0	7.7
HERD SIZE					
1 - 5	2,300	52.2	6.4	18.8	2.8
6 - 10	1,100	25.0	8.8	25.9	8.0
11 - 20	650	14.8	9.9	29.1	15.2
21 +	350	8.0	8.9	26.2	25.4
TOTAL	4,400	100.0	34.0	100.0	7.7

1980 AGRICULTURAL STATISTICS



Total Sheep: 34,000

FIGURE 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 Central 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					
Mahalapye	1.4	6.8	1.3	1.5	11.0
Palapye	1.0	4.3	1.4	1.3	8.0
Serowe	.6	3.4	.5	.5	5.0
Mmadinare	1.0	6.5	1.1	1.4	10.0
TOTAL	4.0	21.0	4.3	4.7	34.0
HERD SIZE					
1 - 5	.9	4.5	.6	.4	6.4
6 - 10	1.4	5.2	1.0	1.2	8.8
11 - 20	.7	5.7	1.6	1.9	9.9
21 +	1.0	5.6	1.1	1.2	8.9
TOTAL	4.0	21.0	4.3	4.7	34.0

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 Central 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					
Mahalapye	12.7	61.8	11.8	13.7	100.0
Palapye	12.5	53.8	17.5	16.2	100.0
Serowe	12.0	68.0	10.0	10.0	100.0
Mmadinare	10.0	65.0	11.0	14.0	100.0
TOTAL	11.8	61.8	12.6	13.8	100.0
HERD SIZE					
1 - 5	14.1	70.3	9.4	6.2	100.0
6 - 10	15.9	59.1	11.4	13.6	100.0
11 - 20	7.1	57.6	16.1	19.2	100.0
21 +	11.2	62.9	12.4	13.5	100.0
TOTAL	11.8	61.8	12.6	13.8	100.0

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

	Births	Deaths	Sales	Home Slaughter	Purchases
			- Number (000) -		
DISTRICTS					
Mahalapye	4.4	2.5	.2	.3	.1
Palapye	3.4	2.3	.3	.3	.1
Serowe	1.9	1.3	.2	.1	.1
Mmadinare	4.5	3.3	.6	.6	.3
TOTAL	14.2	9.4	1.3	1.3	.6
HERD SIZE					
1 - 5	2.9	3.8	.5	.3	.4
6 - 10	3.4	3.0	.4	.5	.1
11 - 20	4.5	1.4	.2	.3	.1
21 +	3.4	1.2	.2	.2	-
TOTAL	14.2	9.4	1.3	1.3	.6

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 Central Region - 1980 Agricultural Statistics

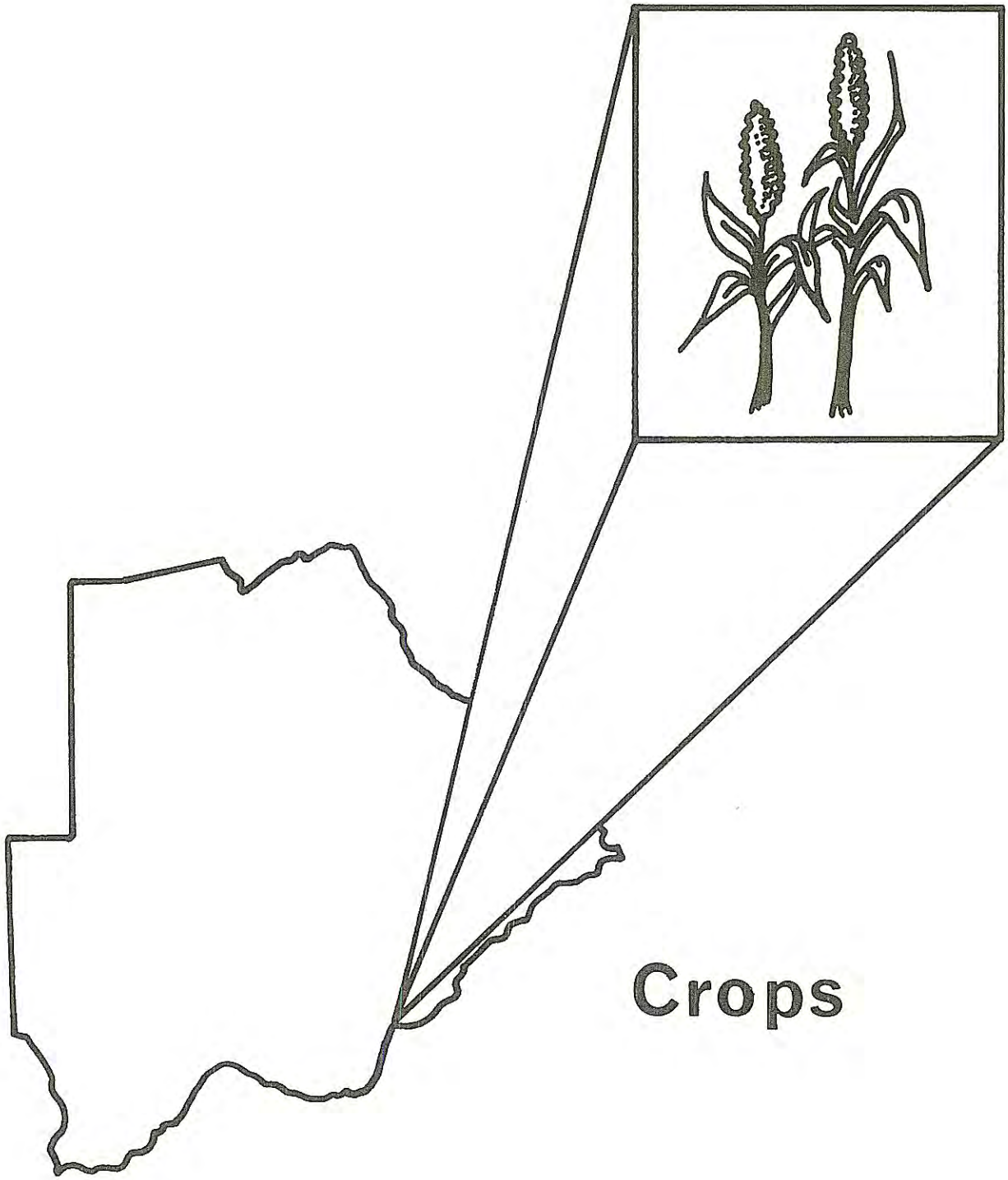
	Ratio of Births to Total Sheep	Ratio of Deaths to Total Sheep	Ratio of Sales to Total Sheep	Ratio of Home Slaughter to Total Sheep	Ratio of Purchases to Total Sheep
			- Percentage -		
DISTRICTS					
Mahalapye	40.0	22.7	1.8	2.7	.9
Palapye	42.5	28.8	3.8	3.8	1.3
Serowe	38.0	26.0	4.0	2.0	2.0
Mmadinare	45.0	33.0	6.0	6.0	3.0
TOTAL	41.8	27.6	3.8	3.8	1.8
HERD SIZE					
1 - 5	45.3	59.4	7.8	4.7	6.2
6 - 10	38.6	34.1	4.5	5.7	1.1
11 - 20	45.5	14.1	2.0	3.0	1.0
21 +	38.2	13.5	2.2	2.2	-
TOTAL	41.8	27.6	3.8	3.8	1.8

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

	Donkey/Mule Farms		Total Donkeys/Mules		Average Size
	Number	Percentage	Number (000)	Percentage	Number
DISTRICTS					
Mahalapye	2,600	30.6	15.0	32.0	5.8
Palapye	1,300	15.3	5.9	12.6	4.5
Serowe	1,400	16.5	5.9	12.6	4.2
Mmadinare	3,200	37.6	20.1	42.8	6.3
TOTAL	8,500	100.0	46.9	100.0	5.5
HERD SIZE					
1 - 5	5,100	60.0	17.3	36.9	3.4
6 - 10	2,900	34.1	21.1	45.0	7.3
11 +	500	5.9	8.5	18.1	17.0
TOTAL	8,500	100.0	46.9	100.0	5.5

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

	Chicken Farms		Total Chickens		Average Size
	Number	Percentage	Number (000)	Percentage	Number
DISTRICTS					
Mahalapye	6,500	30.4	82.0	33.1	12.6
Palapye	4,900	22.9	60.0	24.2	12.2
Serowe	5,800	27.1	61.0	24.6	10.5
Mmadinare	4,200	19.6	45.0	18.1	10.7
TOTAL	21,400	100.0	248.0	100.0	11.6
FLOCK SIZE					
1 - 5	5,500	25.7	18.3	7.4	3.3
6 - 10	6,700	31.3	55.5	22.4	8.3
11 - 15	4,000	18.7	52.6	21.2	13.2
16 - 20	2,800	13.1	51.7	20.8	18.5
21 - 25	1,100	5.1	26.3	10.6	23.9
26 - 30	600	2.8	15.9	6.4	26.5
31 +	700	3.3	27.7	11.2	39.6
TOTAL	21,400	100.0	248.0	100.0	11.6



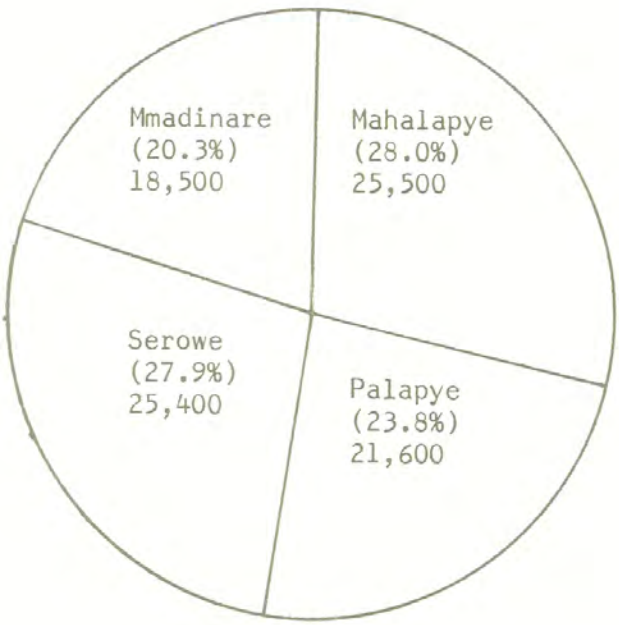
Crops

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

	Farms with Land		Land Area		Land Area per Farm
	Number	Percentage	Hectares (000)	Percentage	Hectares
DISTRICTS					
Mahalapye	6,800	30.5	33.3	31,5	4.9
Palapye	5,600	25.1	25.0	23.6	4.5
Serowe	5,800	26.0	28.3	26.7	4.9
Mmadinare	4,100	18.4	19.3	18.2	4.7
TOTAL	22,300	100.0	105.9	100.0	4.7
HECTARAGE SIZE					
.1 - 1.0	1,200	5.4	.9	.8	.8
1.1 - 2.0	4,400	19.7	6.6	6.2	1.5
2.1 - 3.0	3,800	17.0	9.7	9.2	2.6
3.1 - 4.0	3,200	14.4	10.9	10.3	3.4
4.1 - 5.0	2,500	11.2	11.1	10.5	4.4
5.1 - 6.0	2,350	10.5	12.9	12.2	5.5
6.1 - 7.0	1,200	5.4	7.8	7.4	6.5
7.1 - 10.0	1,900	8.5	15.2	14.3	8.0
10.1 +	1,750	7.9	30.8	29.1	17.6
TOTAL	22,300	100.0	105.9	100.0	4.7

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

	Crop Farms		Area Planted		Area Planted per Farm
	Number	Percentage	Hectares (000)	Percentage	Hectares
DISTRICTS					
Mahalapye	6,300	29.6	25.5	28.0	4.0
Palapye	5,400	25.3	21.6	23.8	4.0
Serowe	5,600	26.3	25.4	27.9	4.5
Mmadinare	4,000	18.8	18.5	20.3	4.6
TOTAL	21,300	100.0	91.0	100.0	4.3
HECTARAGE PLANTED					
.1 - 1.0	1,450	6.8	1.0	1.1	.7
1.1 - 2.0	4,350	20.4	6.6	7.2	1.5
2.1 - 3.0	4,050	19.0	10.1	11.1	2.5
3.1 - 4.0	3,000	14.1	10.3	11.3	3.4
4.1 - 5.0	2,550	12.0	11.2	12.3	4.4
5.1 - 6.0	1,800	8.4	9.7	10.7	5.4
6.1 - 7.0	1,250	5.9	8.1	8.9	6.5
7.1 - 10.0	1,550	7.3	12.9	14.2	8.3
10.1 +	1,300	6.1	21.1	23.2	16.2
TOTAL	21,300	100.0	91.0	100.0	4.3



Total Area Planted: 91,000

FIGURE 4: Traditional Area Planted by Districts

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 Central 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					
Mahalapye	4,900	77.8	17.0	66.7	3.5
Palapye	4,700	87.0	14.4	66.7	3.1
Serowe	4,900	87.5	18.1	71.3	3.7
Mmadinare	3,700	92.5	14.4	77.8	3.9
TOTAL	18,200	85.4	63.9	70.2	3.5
HECTARAGE PLANTED					
.1 - 1.0	700	48.3	.4	40.0	.6
1.1 - 2.0	3,500	80.5	3.8	57.6	1.1
2.1 - 3.0	3,500	86.4	6.4	63.4	1.8
3.1 - 4.0	2,600	86.7	6.9	67.0	2.7
4.1 - 5.0	2,350	92.2	7.3	65.2	3.1
5.1 - 6.0	1,750	97.2	7.1	73.2	4.1
6.1 - 7.0	1,050	84.0	5.1	63.0	4.9
7.1 - 10.0	1,450	93.5	9.5	73.6	6.6
10.1 +	1,300	100.0	17.4	82.5	13.4
TOTAL	18,200	85.4	63.9	70.2	3.5

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

	Farms Planted		Area Planted		Area Planted per Farm
	Number	Percentage	Hectares (000)	Percentage	Hectares
DISTRICTS					
Mahalapye	5,600	27.4	11.9	23.5	2.1
Palapye	5,400	26.5	13.0	25.6	2.4
Serowe	5,400	26.5	15.8	31.2	2.9
Mmadinare	4,000	19.6	10.0	19.7	2.5
TOTAL	20,400	100.0	50.7	100.0	2.5
HECTARAGE PLANTED					
.1 - 1.0	5,050	24.7	3.3	6.5	.7
1.1 - 2.0	5,850	28.7	8.7	17.2	1.5
2.1 - 3.0	3,850	18.9	9.5	18.7	2.5
3.1 - 4.0	2,650	13.0	8.8	17.4	3.3
4.1 - 7.0	1,950	9.6	9.9	19.5	5.1
7.1 +	1,050	5.1	10.5	20.7	10.0
TOTAL	20,400	100.0	50.7	100.0	2.5

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 Central 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							
Mahalapye	4,400	26.2	78.6	10.3	22.8	86.6	2.3
Palapye	4,400	26.2	81.5	11.1	24.6	85.4	2.5
Serowe	4,600	27.4	85.2	14.2	31.5	89.9	3.1
Mmadinare	3,400	20.2	85.0	9.5	21.1	95.0	2.8
TOTAL	16,800	100.0	82.4	45.1	100.0	89.0	2.7
HECTARAGE PLANTED							
.1 - 1.0	3,350	19.9	66.3	2.4	5.3	72.7	.7
1.1 - 2.0	4,700	28.0	80.3	6.8	15.1	78.2	1.4
2.1 - 3.0	3,700	22.0	96.1	9.2	20.4	96.8	2.5
3.1 - 4.0	2,300	13.7	86.8	7.6	16.8	86.4	3.3
4.1 - 7.0	1,800	10.7	92.3	9.1	20.2	91.9	5.1
7.1 +	950	5.7	90.5	10.0	22.2	95.2	10.5
TOTAL	16,800	100.0	82.4	45.1	100.0	89.0	2.7

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 Central Region - 1980 Agricultural Statistics

	Total Production		Production per Harvested Farm	Average Yield per Hectare
	Metric Tons	Percentage	Kilograms	Kilograms
DISTRICTS				
Mahalapye	2,520	30.2	573	245
Palapye	1,990	23.9	452	179
Serowe	2,165	26.0	471	152
Mmadinare	1,660	19.9	488	175
TOTAL	8,335	100.0	496	185
HECTARAGE PLANTED				
.1 - 1.0	550	6.6	164	229
1.1 - 2.0	1,385	16.6	295	204
2.1 - 3.0	1,920	23.0	519	209
3.1 - 4.0	1,235	14.8	537	162
4.1 - 7.0	1,855	22.3	1,031	204
7.1 +	1,390	16.7	1,463	139
TOTAL	8,335	100.0	496	185

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

	Farms Planted		Area Planted		Area Planted per Farm
	Number	Percentage	Hectares (000)	Percentage	Hectares
DISTRICTS					
Mahalapye	5,600	34.3	8.2	35.3	1.5
Palapye	3,400	20.9	4.4	19.0	1.3
Serowe	4,100	25.2	6.1	26.3	1.5
Mmadinare	3,200	19.6	4.5	19.4	1.4
TOTAL	16,300	100.0	23.2	100.0	1.4
HECTARAGE PLANTED					
.1 - 1.0	7,800	47.8	4.5	19.4	.6
1.1 - 2.0	5,650	34.7	7.9	34.1	1.4
2.1 - 3.0	1,400	8.6	3.3	14.2	2.4
3.1 - 4.0	750	4.6	2.6	11.2	3.5
4.1 +	700	4.3	4.9	21.1	7.0
TOTAL	16,300	100.0	23.2	100.0	1.4

TABLE 27: 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 Central 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							
Mahalapye	2,100	41.2	37.5	4.1	44.6	50.0	2.0
Palapye	800	15.7	23.5	1.0	10.9	22.7	1.3
Serowe	1,200	23.5	29.3	2.2	23.9	36.1	1.8
Mmadinare	1,000	19.6	31.3	1.9	20.6	42.2	1.9
TOTAL	5,100	100.0	31.3	9.2	100.0	39.7	1.8
HECTARAGE PLANTED							
.1 - 1.0	2,100	41.2	26.9	1.3	14.1	28.9	.6
1.1 - 2.0	1,700	33.3	30.1	2.4	26.1	30.4	1.4
2.1 - 3.0	550	10.8	39.3	1.3	14.1	39.4	2.4
3.1 - 4.0	300	5.9	40.0	1.0	10.9	38.5	3.3
4.1 +	450	8.8	64.3	3.2	34.8	65.3	7.1
TOTAL	5,100	100.0	31.3	9.2	100.0	39.7	1.8

TABLE 28: MAIZE PRODUCTION Total Production, Production per Harvested Farm and Average Yield per Hectare by Districts and Size of Maize Area Planted, Traditional Farms Central Region - 1980 Agricultural Statistics

	Total Production		Production per Harvested Farm	Average Yield per Hectare
DISTRICTS	Metric Tons	Percentage	Kilograms	Kilograms
Mahalapye	845	64.7	402	206
Palapye	115	8.8	144	115
Serowe	160	12.3	133	73
Mmadinare	185	14.2	185	97
TOTAL	1,305	100.0	256	142
HECTARAGE PLANTED				
.1 - 1.0	195	14.9	93	150
1.1 - 2.0	305	23.5	179	127
2.1 - 3.0	290	22.2	527	223
3.1 - 4.0	255	19.5	850	255
4.1 +	260	19.9	578	81
TOTAL	1,305	100.0	256	142

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

	Farms Planted		Area Planted		Area Planted per Farm
	Number	Percentage	Hectares (000)	Percentage	Hectares
DISTRICTS					
Mahalapye	200	9.5	.3	13.1	1.5
Palapye	550	26.2	.5	21.7	.9
Serowe	550	26.2	.9	39.1	1.6
Mmadinare	800	38.1	.6	26.1	.8
TOTAL	2,100	100.0	2.3	100.0	1.1
HECTARAGE PLANTED					
.1 - 1.0	1,200	57.1	.7	30.4	.6
1.1 - 2.0	600	28.6	.8	34.8	1.3
2.1 +	300	14.3	.8	34.8	2.7
TOTAL	2,100	100.0	2.3	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 Central Region - 1980 Agricultural Statistics

	Farms Harvested		Ratio of Farms Harvested to Planted	Area Harvested		Ratio of Area Harvested to Planted	Harvested per Farm
	Number	Percentage	Percentage	Hectares (000)	Percentage	Percentage	Hectares
DISTRICTS							
Mahalapye	150	8.3	75.0	.2	10.0	66.7	1.3
Palapye	400	22.2	72.7	.4	20.0	80.0	1.0
Serowe	550	30.6	100.0	.9	45.0	100.0	1.6
Mmadinare	700	38.9	87.5	.5	25.0	83.3	.7
TOTAL	1,800	100.0	85.7	2.0	100.0	87.0	1.1
HECTARAGE PLANTED							
.1 - 1.0	1,050	58.3	87.5	.6	30.0	85.7	.6
1.1 - 2.0	500	27.8	83.3	.7	35.0	87.5	1.4
2.1 +	250	13.9	83.3	.7	35.0	87.5	2.8
TOTAL	1,800	100.0	85.7	2.0	100.0	87.0	1.1

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 Central Region - 1980 Agricultural Statistics

	Total Production		Production per Harvested Farm	Average Yield per Hectare
	Metric Tons	Percentage	Kilograms	Kilograms
DISTRICTS				
Mahalapye	45	14.5	300	225
Palapye	55	17.7	138	138
Serowe	135	43.6	245	150
Mmadinare	75	24.2	107	150
TOTAL	310	100.0	172	155
HECTARAGE PLANTED				
.1 - 1.0	115	37.1	110	192
1.1 - 2.0	130	41.9	260	186
2.1 +	65	21.0	260	93
TOTAL	310	100.0	172	155

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

	Farms Planted		Area Planted		Area Planted per Farm
	Number	Percentage	Hectares (000)	Percentage	Hectares
DISTRICTS					
Mahalapye	4,700	37.6	3.7	38.6	.8
Palapye	2,500	20.0	2.2	22.9	.9
Serowe	2,700	21.6	1.7	17.7	.6
Mmadinare	2,600	20.8	2.0	20.8	.8
TOTAL	12,500	100.0	9.6	100.0	.8
HECTARAGE PLANTED					
.1 - 1.0	9,750	78.0	4.2	43.7	.4
1.1 - 2.0	1,950	15.6	2.6	27.1	1.3
2.1 - 3.0	400	3.2	1.1	11.5	2.8
3.1 - 4.0	250	2.0	.9	9.4	3.6
4.1 +	150	1.2	.8	8.3	5.3
TOTAL	12,500	100.0	9.6	100.0	.8

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 Central 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							
Mahalapye	2,000	45.4	42.6	1.6	36.4	43.2	.8
Palapye	900	20.5	36.0	.9	20.4	40.9	1.0
Serowe	500	11.4	18.5	.5	11.4	29.4	1.0
Mmadinare	1,000	22.7	38.5	1.4	31.8	70.0	1.4
TOTAL	4,400	100.0	35.2	4.4	100.0	45.8	1.0
HECTARAGE PLANTED							
.1 - 1.0	3,100	70.5	31.8	1.5	34.1	35.7	.5
1.1 - 2.0	850	19.3	43.6	1.1	25.0	42.3	1.3
2.1 - 3.0	200	4.5	50.0	.6	13.6	54.5	3.0
3.1 - 4.0	150	3.4	60.0	.5	11.4	55.6	3.3
4.1 +	100	2.3	67.7	.7	15.9	87.5	7.0
TOTAL	4,400	100.0	35.2	4.4	100.0	45.8	1.0

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 Central Region - 1980 Agricultural Statistics

	Total Production		Production per Harvested Farm	Average Yield per Hectare
DISTRICTS	Metric Tons	Percentage	Kilograms	Kilograms
Mahalapye	250	47.2	125	156
Palapye	135	25.5	150	150
Serowe	50	9.4	100	100
Mmadinare	95	17.9	95	68
TOTAL	530	100.0	120	120
HECTARAGE PLANTED				
.1 - 1.0	250	47.1	81	167
1.1 - 2.0	160	30.2	188	145
2.1 - 3.0	30	5.7	150	50
3.1 - 4.0	55	10.4	367	110
4.1 +	35	6.6	350	50
TOTAL	530	100.0	120	120

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 Central Region - 1980 Agricultural Statistics

	Farms Planted		Area Planted		Area Planted per Farm
	Number	Percentage	Hectares (000)	Percentage	Hectares
DISTRICTS					
Mahalapye	6,300	29.6	24.1	28.1	3.8
Palapye	5,400	25.3	20.1	23.4	3.7
Serowe	5,600	26.3	24.5	28.6	4.4
Mmadinare	4,000	18.8	17.1	19.9	4.3
TOTAL	21,300	100.0	85.8	100.0	4.0
HECTARAGE PLANTED					
.1 - 1.0	1,650	7.8	1.1	1.3	.7
1.1 - 2.0	4,900	23.0	7.2	8.4	1.5
2.1 - 3.0	3,950	18.6	9.8	11.4	2.5
3.1 - 4.0	2,900	13.6	10.0	11.7	3.4
4.1 - 5.0	2,850	13.4	12.7	14.8	4.5
5.1 - 6.0	1,200	5.6	6.5	7.6	5.4
6.1 - 7.0	1,200	5.6	7.9	9.2	6.6
7.1 - 10.0	1,450	6.8	12.0	13.9	8.3
10.1 +	1,200	5.6	18.6	21.7	15.5
TOTAL	21,300	100.0	85.8	100.0	4.0

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 Central 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							
Mahalapye	4,900	27.4	77.8	16.2	26.7	67.2	3.3
Palapye	4,500	25.1	83.3	13.4	22.1	66.7	3.0
Serowe	4,900	27.4	87.5	17.8	29.3	72.7	3.6
Mmadinare	3,600	20.1	90.0	13.3	21.9	77.8	3.7
TOTAL	17,900	100.0	84.0	60.7	100.0	70.7	3.4
HECTARAGE PLANTED							
.1 - 1.0	700	3.9	42.4	.5	.8	45.5	.7
1.1 - 2.0	3,850	21.5	78.6	4.4	7.3	61.1	1.1
2.1 - 3.0	3,400	19.0	86.1	6.2	10.2	63.3	1.8
3.1 - 4.0	2,450	13.7	84.5	6.3	10.4	63.0	2.6
4.1 - 5.0	2,700	15.1	94.7	9.0	14.8	70.9	3.3
5.1 - 6.0	1,150	6.4	95.8	4.5	7.4	69.2	3.9
6.1 - 7.0	1,100	6.2	91.7	5.2	8.6	65.8	4.7
7.1 - 10.0	1,350	7.5	93.1	9.1	15.0	75.8	6.7
10.1 +	1,200	6.7	100.0	15.5	25.5	83.3	12.9
TOTAL	17,900	100.0	84.0	60.7	100.0	70.7	3.4

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 Central Region - 1980 Agricultural Statistics

	Total Production		Production per Harvested Farm	Average Yield per Hectare
DISTRICTS	Metric Tons	Percentage	Kilograms	Kilograms
Mahalapye	3,660	34.9	747	226
Palapye	2,295	21.9	510	171
Serowe	2,510	24.0	512	141
Mmadinare	2,015	19.2	560	152
TOTAL	10,480	100.0	585	173
HECTARAGE PLANTED				
.1 - 1.0	60	.6	86	120
1.1 - 2.0	970	9.2	252	220
2.1 - 3.0	1,205	11.5	354	194
3.1 - 4.0	850	8.1	347	135
4.1 - 5.0	2,200	21.0	815	244
5.1 - 6.0	700	6.7	609	156
6.1 - 7.0	1,005	9.6	914	193
7.1 - 10.0	1,030	9.8	763	113
10.1 +	2,460	23.5	2,050	159
TOTAL	10,480	100.0	585	173

Appendix

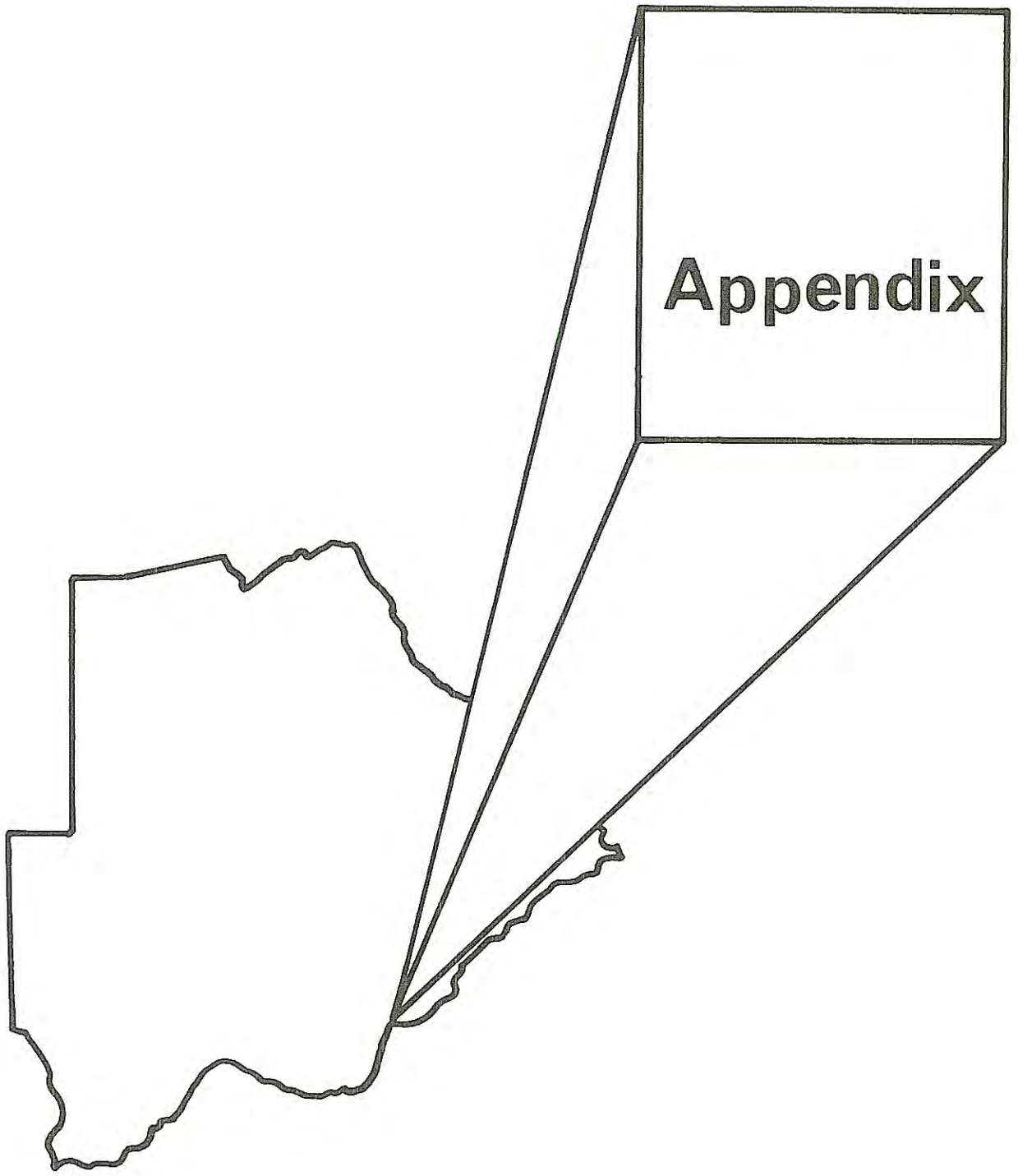


TABLE A : APPENDIX I Farms, Sex of Holder, Total Land and Area Planted by Size of Cattle Holding, Traditional Farms Central Region - 1980 Agricultural Statistics

Cattle Size	Farms		Sex of Holder		Total Land		Area Planted Four Crops	
			Male	Female				
	Number	Percentage	- Percentage -		Hectares (000)	Percentage	Hectares (000)	Percentage
0	6,700	26.7	50.6	49.4	17.0	16.1	14.0	16.3
1 - 10	2,700	10.8	73.6	26.4	8.3	7.9	6.8	7.9
11 - 20	3,100	12.3	74.8	25.2	10.4	9.8	8.9	10.4
21 - 30	3,100	12.3	83.4	16.6	14.3	13.5	11.9	13.9
31 - 40	2,500	9.9	71.2	28.8	12.7	12.0	10.7	12.5
41 - 50	1,300	5.2	59.5	40.5	7.4	7.0	6.5	7.6
51 - 60	1,200	4.8	82.9	17.1	4.7	4.4	4.2	4.9
61 - 100	2,100	8.4	76.7	23.2	10.4	9.8	8.3	9.7
101 - 150	1,400	5.6	71.4	28.6	10.4	9.8	8.7	10.1
151 +	1,000	4.0	82.8	17.2	10.3	9.7	5.8	6.7
TOTAL TRADITIONAL	25,100	100.0	68.9	31.1	105.9	100.0	85.8	100.0

TABLE B : APPENDIX I Area Harvested, Total Production, Production per Farm and Average Yield by Size of Cattle Holding, Traditional Farms Central 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	8.9	14.7	1,000	9.5	149	112
1 - 10	4.1	6.7	590	5.6	219	144
11 - 20	6.4	10.5	1,210	11.6	390	189
21 - 30	8.5	14.0	1,330	12.7	429	156
31 - 40	7.2	11.9	1,235	11.8	494	172
41 - 50	5.2	8.6	975	9.3	750	188
51 - 60	3.0	4.9	800	7.6	667	267
61 - 100	4.9	8.1	1,070	10.2	510	218
101 - 150	7.3	12.0	1,330	12.7	950	182
151 +	5.2	8.6	940	9.0	940	181
TOTAL TRADITIONAL	60.7	100.0	10,480	100.0	418	173

TABLE A: APPENDIX II Farms, Sex of Holder, Total Land and Area Planted by Size of Total Production, Traditional Farms Central 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	7,200	28.7	69.5	30.5	15.1	14.2	7.4	8.6
1 - 250	7,800	31.1	66.2	33.8	27.0	25.5	22.0	25.6
251 - 500	3,900	15.5	74.8	25.2	18.0	17.0	16.0	18.7
501 - 750	1,900	7.6	55.0	45.0	9.1	8.6	7.9	9.2
751 - 1,000	1,900	7.6	77.0	23.0	12.8	12.1	11.4	13.3
1,001 - 1,500	500	2.0	73.3	26.7	3.0	2.8	2.8	3.3
1,501 - 2,000	750	2.9	80.5	19.5	6.0	5.7	5.4	6.3
2,001 +	1,150	4.6	63.2	36.8	14.9	14.1	12.9	15.0
TOTAL TRADITIONAL	25,100	100.0	68.9	31.1	105.9	100.0	85.8	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 Central 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	14.4	23.7	1,005	9.6	129	70
251 - 500	12.4	20.4	1,400	13.4	359	113
501 - 750	6.6	10.9	1,140	10.9	600	173
751 - 1,000	8.3	13.7	1,700	16.2	895	205
1,001 - 1,500	2.1	3.5	655	6.2	1,310	312
1,501 - 2,000	4.8	7.9	1,280	12.2	1,707	267
2,001 +	12.1	19.9	3,300	31.5	2,870	273
TOTAL TRADITIONAL	60.7	100.0	10,480	100.0	418	173

TABLE A : APPENDIX III Farms, Sex of Holder, Total Land and Area Planted by Size of Average Yield per Hectare, Traditional Farms Central 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	7,200	28.7	69.5	30.5	15.1	14.2	7.4	8.6
1 - 50	2,000	8.0	58.1	41.9	12.1	11.4	10.5	12.3
51 - 100	5,200	20.7	70.5	29.5	25.6	24.2	21.6	25.2
101 - 150	3,000	11.9	72.8	27.2	16.4	15.5	14.7	17.1
151 - 200	2,300	9.1	66.1	33.9	13.8	13.0	11.6	13.5
201 - 250	1,200	4.8	55.6	44.4	5.2	4.9	4.5	5.3
251 - 300	1,300	5.2	69.6	30.4	6.1	5.8	5.6	6.5
301 - 500	1,400	5.6	67.8	32.2	6.1	5.8	4.9	5.7
501 +	1,500	6.0	83.0	17.0	5.5	5.2	5.0	5.8
TOTAL TRADITIONAL	25,100	100.0	68.9	31.1	105.9	100.0	85.8	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 Central 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	7.5	12.4	275	2.6	138	37
51 - 100	16.8	27.7	1,250	11.9	240	74
101 - 150	12.1	19.9	1,640	15.7	547	136
151 - 200	9.3	15.3	1,655	15.8	720	178
201 - 250	3.4	5.6	750	7.2	625	221
251 - 300	4.1	6.8	1,115	10.6	858	272
301 - 500	3.9	6.4	1,540	14.7	1,100	395
501 +	3.6	5.9	2,255	21.5	1,503	626
TOTAL TRADITIONAL	60.7	100.0	10,480	100.0	418	173