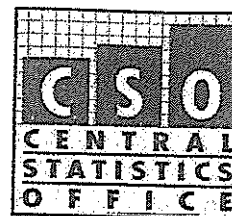


Republic of Botswana

# CENTRAL STATISTICS OFFICE

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GABORONE, BOTSWANA



All correspondence should be addressed to the Government Statistician

CONFIDENTIAL

## 2004 AGRICULTURAL CENSUS

Collected under Statistics Act ( Cap 17:01)

### FORM III: TRADITIONAL FARMERS - SECOND VISIT

#### Section I: IDENTIFICATION

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



- 6 Full Name of Holder

--

- 7 Sex of Holder

[ Male = 1    Female = 2 ]

- 8 Name of previous Respondent

--

- 8a Name of Respondent

--

- 9 Is the respondent the:

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

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

Enumerator's Visit Log

Visit No.	Date	Time	Remarks

Comments:


# SECTION II : LIVESTOCK

## Part A : CATTLE

10a Does this holding own, raise, operate or manage any Cattle? (Include Mafisa Cattle in your Kraal)

Yes = 1  $\Rightarrow$  Q 11a

No = 2

10b Has this Holding ever had any Cattle during this agricultural season?

Yes = 1  $\Rightarrow$  Q 12

No = 2  $\Rightarrow$  Q21a

11a How many of the following breeds do you have?

(Include Cattle owned by other members of this Holding and Mafisa in)

B R E E D	Bulls	Oxen	Cows	Heifers	Tollies	Male Calves	Female Calves	Total
1. Semmental								
2. Charolais								
3. Jersey								
4. Tuli								
5. Friesian								
6. Brahman								
7. Crosses								
8. Tswana								
9. Brown swiss								
10. Afrikander								
11. Santa Getrudis								
12. Other (specify)								
-----								
-----								
TOTAL								

11b Which breed of cattle do you prefer most?

office use

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

office use

11d What is the breeding method that you use amongst your cattle?

1 Artificial insemination

2 Bull service

3 Both artificial insemination and bull service

11e Breeding method use : Why do you use this particular method?

office use

12 Sales: How many Cattle were sold or traded out during this agricultural season?

(In case of cattle being exchanged for other goods please state the value of those goods or give description of those goods)

S o l d T o	S o l d		T r a d e d o u t		
	Number	Value	Number	Value	Description
1. BMC Direct					
2. Municipal Abbatoir					
3. BMC Agent					
4. At Auction					
5. Government Restocking					
6. Another Farmer					
7. Village Abbatoir					
8. Trader					
9. Butcher					
10. Feedlot					
other (specify)					

## CALVES ONLY

13 How many Calves were born during this agricultural season, through:  
(include those lost, dead, sold, etc)

a. Artificial insemination

b. Bull service

14 How many Calves died during this agricultural season ?

14a How many calves were lost due to strays and theft during this agricultural season ?

### CATTLE

15 How many Cattle, excluding Calves, died during this agricultural season ?

16 How many Cattle were lost due to strays and theft during this agricultural season ?

17 How many Cattle were slaughtered for your home consumption during this agricultural season ?  
Include slaughter for weddings, death ceremonies etc

18 How many Cattle were eradicated/destroyed due to cattle diseases outbreak during this agricultural season ?   
cattle number  
calves

19 Given Away: How many Cattle were given away (including Bogadi) during this agricultural season ?

20 Purchases: How many Cattle were purchased/obtained during this agricultural season ?  
In case of Cattle being exchanged for other goods please state the value of those goods or give description of those goods

Purchased/Obtained	Number	Value (Pula)	Description of goods given out
1. Purchased			
2. Obtained			

### Part B : GOATS

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

21b Has this Holding ever had any Goats during this agricultural season? Yes = 1  $\Rightarrow$  Q 23  
No = 2  $\Rightarrow$  Q 32a

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

B R E E D	Buck(uncastrated) 1 Year & Over	Castrated Males 1 Year & Over	Females 1 Year & Over	Males Under 1 Year	Females Under 1 Year	TOTAL
1. Tswana						
2. Boer						
3. Saanan						
4. Crosses						
5. Other(specify)						
TOTAL						

### KIDS ONLY

23 How many Kids were born during this agricultural season ?   
(include those lost, dead, sold, etc)

24 How many Kids died during this agricultural season ?

25 How many Kids were lost due to strays and theft during this agricultural season ?   
Do not include Kids already reported as dead.

### GOATS - EXCLUDING KIDS

26 How many Goats, excluding Kids, died during the current agricultural season ?

27 How many Goats were lost due to strays and theft during the current agricultural season ?   
Do not include Goats already reported as dead.

28 How many Goats were slaughtered for consumption during the current agricultural season ?   
Include slaughtered for weddings, deaths ceremonies etc

# **GOATS AND KIDS**

29 How many Goats were given away during the current agricultural season ?

30 How many Goats were sold or traded during the current agricultural season ?  
Include BMC, Auctions, Abattoirs, Traders Farmers etc

Sales/Traded	Number	Value (Pula)	Description of goods received
1. Sales			
2. Traded out			

31 How many Goats were purchased/obtained during the current agricultural season ?  
In case of Goats being exchanged for other goods please state the value of those goods or give description of those goods

Purchased/Obtained	Number	Value (Pula)	Description of goods given away
1. Purchased			
2. Obtained			

## **Part C : SHEEP**

32a Does this holding own, raise, operate or manage any Sheep? (Include Mafisa Sheep in your Kraal)

Yes = 1 → Q 33  
No = 2

32b Has this Holding ever had any sheep during this agricultural season?

Yes = 1 → Q 34  
No = 2 → Q 43

33 How many of the following breeds do you have? (Include Sheep owned by other members of this Holding and Mafisa in ).

B R E E D	Rams (males) 1 Year & Over	Castrated Males 1 Year & Over	Females 1 Year & Over	Males Under 1 Year	Ewes (females) Under 1 Year	T o t a l
1. Tswana						
2. Dorper						
3. Karakul						
4. Crosses						
5. Other(specify)						
TOTAL						

## **LAMBS ONLY**

34 How many Lambs were born during this agricultural season ?  
(include those lost, dead, sold, etc)

35 How many Lambs died during this agricultural season ?

36 How many Lambs were lost due to strays and theft during this agricultural season ?  
Do not include Lambs already reported as dead.

## **SHEEP - EXCLUDING LAMBS**

37 How many Sheep, excluding Lambs died, during this agricultural season ?

38 How many Sheep were lost due to strays and theft during this agricultural season ?  
Do not include Sheep already reported as dead.

39 How many Sheep were slaughtered for consumption during this agricultural season ?  
Include slaughtered for weddings, deaths ceremonies etc

## **SHEEP AND LAMBS**

40 How many Sheep were given away during this agricultural season ?

41 How many Sheep were sold or traded during this agricultural season ?  
Include BMC, Auctions, Abattoirs, Traders Farmers etc

Sales/Traded	Number	Value (Pula)	Description of goods received
1. Sales			
2. Traded out			

- 42 How many Sheep were purchased or obtained during this agricultural season ?

*In case of Sheep being exchanged for other goods please state the value of those goods or give description of those goods*

Purchased/Obtained	Number	Value (Pula)	Description of goods given out
1. Purchased			
2. Obtained			

## Part D : OTHER LIVESTOCK

- 43 How many of the following do you have and how many were sold/traded during this agricultural season ?

State the value or describe animals exchanged for those goods or give description of those goods?

[illegible]

*Note \* Refers to subsistence livestock only*

### SECTION III CROP PRODUCTION

## Part A : CROPS AND FALLOW FIELDS CHANGES

- 44 Did this Holding plant/plough any crops during this agricultural season?

Yes = 1

No = 2  $\Rightarrow$  Q 55a

- 45 During our first visit, it was reported that this holding had the following crops and fallow fields.

(Read out the list)

[illegible]

- 46 Have there been any changes to this list?

**Yes = 1**

No = 2  $\Rightarrow$  Q 47

Update the list if any changes, take field measurements and record the data on the last page of the questionnaire

Part B : FARMING PRACTICE

47 Were any fertilisers used on any of your crop fields?

Yes = 1  
No = 2 ⇒ Q 49

48 What type of fertilisers did you use? (circle appropriate code)

1. Chemical only
2. Manure only
3. Both chemical and manure

48a What was the overall quantity used?

Kg

49 Did you weed your crop fields this agricultural season?

Yes, All = 1

Yes, Some = 2

No = 3 ⇒ Q 51

50 How many times did you weed your fields?

51 What were the most predominant weeds?(circle appropriate codes )

- 1 Cynodon dactylon (motlho, motlhwa)
- 2 Datura ferox (mokhure)
- 3 Hibiscus meeusei (mmabasete, mmankgarane)
- 4 Acospermum hispidum (sethabakolobe, sephalane, khonkhorose)
- 5 Urochloa mosambicensis (phoka, sugwagwa)
- 6 Sesamum triphyllum (mothomaganyane, mosuwene)
- 7 Striga asiatica/Alectra vogelli (matebele, molelwane)
- 8 Tribulus terrestris (mosetlho, setlho)
- 9 Sida cordifolia (motswalakgoro)
- Other (specify) \_\_\_\_\_

**52 Now ask the Holder about the harvested crops.**

**FORM III**

NOTE: (1) If there are crops sold or expected further sales indicated, i.e. Questions 52h and 52i have entries, ask Question 53.  
and (2) If there is harvesting status code of three (3) in Question 52, ask Question 54.  
Otherwise if none of the above is indicated as stated, go to Section IV.

53 To whom were most of the crops sold ?(Circle Appropriate codes)?

1. BAMB directly
2. BAMB agent
3. Cooperative
4. Private trader

54 What were the main reasons for not harvesting the crops mentioned earlier in Question 52 (Circle Appropriate codes)?

1. Lack of rain
2. Crops destroyed by Livestock
3. Crops destroyed by diseases
4. Crops attacked by pests (quelea birds, insects etc)
5. Underground fire

#### SECTION IV : WATER SUPPLY ,FARM EQUIPMENT AND MACHINERY INVENTORY

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

*Tick where appropriate*

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

55b Who owns the water source?

*Tick where appropriate*

	Tick where appropriate					
	Self	Family	Syndicate	Community	Government	Other (Specify)
1. Livestock						
2. Household						

55c For water supply being borehole ; state the source of energy

1. Solar
3. Diesel

55d What is the approximate distance in kilometres from the kraal/holding to the water source?

**Note:** For livestock, the approximate distance is from the kraal, rather than from the housing unit.

	Distance in Km
1. Livestock	
2. Household	

56 How many of the following do you own and are either in good working condition or temporarily out of order?

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

14. Trailer
15. Cart
16. Shovel
17. Spray race
18. Spray pump
19. Dip-tank
20. Maize grinder
21. Maize Sheller
22. Bailer
23. Forage Harvester
24. Double harvester
- 25
- 26

[illegible]



## SECTION V : FARM ENTERPRISE

### Part A: ECONOMIC SECTION

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

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

57b Of the ones indicated above, which one do you regard as the main?

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

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

58b Of the ones indicated above, which one do you regard as the main source?

59 Are you aware of any of the following Farming Programmes?

*(Circle codes)*

1. ALDEP
2. NAMPAAD
3. SLOCA
4. Livestock Water Development
5. Other *(Specify)* \_\_\_\_\_
6. None \_\_\_\_\_

### Part B: FARM LABOUR

60 Is there anyone employed either on fulltime or on temporary basis to work on this holding?

*Circle*

1. Yes \_\_\_\_\_
2. No  $\Rightarrow$  END INTERVIEW

Question 61

PERSONS CURRENTLY EMPLOYED IN THIS HOLDING

NAME	SEX	AGE	CITIZENSHIP	MARITAL STATUS	SCHOOL ATTENDANCE	HIGHEST LEVEL	SKILLS ACQUIRED	EMPLOYEE STATUS	OCCUPATION	PAY PERIOD	MODE OF PAYMENT	AMOUNT	CASH EQUIV.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
W O R K E R R E M B E R	Please Give names of all those who are currently employed in this holding	1. Male 2. Female	How Old is ... ? (Age in Years)	What is the country of ... citizenship?	What is ... marital status?	Has ... Ever Attended School?	What is the Highest Level/ Grade Completed?	How did ... Get the Skills He/She uses now?	What is ... working as?	What type of WORK does ... do ? (Use at least two words to describe his/her work. Probe as necessary.)	How Often is ... Paid?	How is ... Paid	How Much Cash To The Nearest Pula?	How Much Is the Cash Equivalent of the Payment of the Nearest Pula?
				001 Botswana 002 Angola 003 Lesotho 004 Malawi 005 Mozambique 006 Namibia 007 South Africa 008 Swaziland 009 Zambia 010 Zimbabwe 011 Tanzania 012 DRC 013 Mauritius 014 Seychelles Other - (Specify)		1. Never attended 2. Yes - Attending 3. Yes - But Left School	(Use Education Codes Given below) 1. Self taught 2. Apprenticeship 3. On the job 4. Technical/Vocational Institution Other... (Specify)	1. Employee - paid cash 2. Employee - paid in kind 3. Self employed - no employees 4. Self employed - with employees 5. Unpaid family helper 6. Worked in own lands/cattlepost (unpaid)		1. Daily 2. Weekly 3. Fortnightly 4. Monthly 5. Every Six Months 6. Yearly Other (Specify)	1. Cash Only 2. In Kind only (Go To Column 15)	3. Both 1 & 2 (Complete both columns 14 and 15)	(If code 1 in col. 13, then and interview to col. 15)	How Much Is the Cash Equivalent of the Payment to the Nearest Pula?
1														
2														
3														
4														
5														
6														
7														
8														
9														
10														
11														
12														
13														
14														
15														
16														
17														
18														
19														
20														

NOTE: Column 8 - HIGHEST LEVEL OF EDUCATION COMPLETED:

Preschool	Primary	Secondary	Non Formal
00 1st year not completed	10 Standard 1 not completed	21 Form 1	60 Primer 1 not completed
01 1st year completed	11 Standard 1	22 Form 2	61 Primer 1
02 2nd year completed	12 Standard 2	23 Form 3	62 Primer 2
09 Don't Know	13 Std 3	24 Form 4	63 Primer 3
	14 Std 4	25 Form 5	64 Primer 4
	15 Std 5	26 Form 6	65 Primer 5
	16 Std 6	27 Form 7	66 Not Known
	17 Std 7	28 Form 8	
	18 Not Known	29 Not Known	

# Land Measurement

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

NOTE: MAKE SURE THAT THE NUMBER OF FIELDS REPORTED FOR AREA MEASUREMENT REFLECT THE NUMBER OF FIELDS REPORTED IN FORM II QUESTION 21 IN THAT SEQUENCE

Sketch Map of Field Field No:

Planted (1) / Fallow (2)

## Area Measurements (Compass and Chain)

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

Side	Length(m)	Bearing		Inside Angle
		Forward	Backward	

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

- Perimeter Field
- Closing Error (%)
- Area


Sketch Map of Field Field No:

Planted (1) / Fallow (2)

## Area Measurements (Compass and Chain)

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

Side	Length(m)	Bearing		Inside Angle
		Forward	Backward	

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

- Perimeter Field
- Closing Error (%)
- Area

Sketch Map of Field Field No:

Planted (1) / Fallow (2)

Area Measurements (Compass and Chain)

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

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

Sketch Map of Field Field No:

Side	Length(m)	Bearing		Inside Angle
		Forward	Backward	

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


Planted (1) / Fallow (2)

Area Measurements (Compass and Chain)

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

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

Side	Length(m)	Bearing		Inside Angle
		Forward	Backward	

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


63 Total Number of Fields:

1. Crop Fields

2. Fallow Fields