

**STATISTICS ACT
(Cap. 17:01)**

STATISTICS (AGRICULTURE SURVEY) REGULATIONS, 2005
(Published on 30th December, 2005)

ARRANGEMENT OF REGULATIONS

REGULATION

1. Citation
2. Authorisation to conduct a survey
3. Conduct of survey
4. Penalty

SCHEDULE

IN EXERCISE of the powers conferred on the Minister of Finance and Development Planning by section 15 of the Statistics Act, the following Regulations are hereby made —

- | | |
|-----------------------------------|--|
| Citation | 1. These Regulations may be cited as the Statistics (Agriculture Survey) Regulations, 2005. |
| Authorisation to conduct a survey | 2. The Government Statistician may direct any authorised officer to conduct a survey on the country's agricultural production for the purposes of —
<i>(a)</i> providing a time series of basic information on agricultural surveys; and
<i>(b)</i> assessing and reviewing policies, programmes and projects geared to the improvement of the agricultural sector. |
| Conduct of survey | 3. The authorised officer may, for the purposes of the survey, ask any person interviewed, such questions as may be necessary to obtain, from that person, the information required in the questionnaires set out in the Schedule. |
| Penalty | 4. Any person who refuses or neglects to answer any question put to him or her for the purposes of these Regulations shall be guilty of an offence and shall be liable to a fine of P50 and, in the case of a continuing offence, to a fine of P2 for everyday during which the offence continues. |

MADE this 19th day of December, 2005.

B. GAOLATHE,
*Minister for Finance and Development
Planning*

L2/7/150 VI

SCHEDULE



REPUBLIC OF BOTSWANA

Central Statistics Office
Private Bag 0024,
GABORONE, BOTSWANA



All correspondence should be addressed to the Government Statistician

CONFIDENTIAL 2006 ANNUAL AGRICULTURAL SURVEY

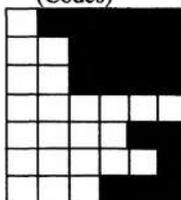
Collected under Statistics Act (Cap 17:01)

FORM I: IDENTIFICATION FORM - FIRST VISIT

Section 1: Locality Identification

- 1 Agricultural Region: _____
- 2 Agricultural District: _____
- 3 Administrative District: _____
- 4 Enumeration Area: _____
- 5 Block Number: _____
- 6 Locality Name: _____

(Codes)



5. Form Continuation
Total Number of Forms

This Page is

Part:

of:

7 Enumerator's Name _____

8a Date when listing commenced _____

8b Date when listing completed _____

9 Supervisor's Name _____

Supervisor's Signature

10 Date Checked _____

11 (Office and Supervisor Use)

Selection Number	Random Start	Interval	
1 - 20	Take all	Take all	

12 (Supervisor Use)

Part Number	Total Number of Holders	Number of Cattle Holders
Part 1		
Part 2		
Part 3		
Part 4		
Part 5		
Part 6		
Part 7		
Part 8		
Part 9		
Part 10		
Part 11		
Part 12		
Part 13		
Part 14		
Part 15		
Part 16		
Part 17		
Part 18		
Part 19		
Part 20		
Part 21		
Total		

12a Total Number of Holders

12b Total Number of Cattle Holders

13a Number for selection

13b Number of Selected Holders

13c Total Sample of holders

13d Total Number of Listed Dwellings

13e Total Number of Occupied Dwellings

Section II: Listing of Dwellings and Household

Question 14a

1 Dwelling Number (Census Number Plate)	2 Is this Dwelling Occu- pied at this time Yes = 1 No = 2	3 House hold No.	4 Interview Status 1 Completed 2 Call-back 3 Vacant 4 Refusal 5 Not at home	5 What is the name of the head of this household?	6 Gender M = 1 F = 2	7 Is the head of this house- hold living in this house- hold at this time? Yes = 1 No = 2	8 How many people live in this house- hold now? Number	Does any of the (include			
								9A LANDS Yes = 1 No = 2	9B CROPS Yes = 1 No = 2	9C CATTLE	9D SHEEP IF YES livestock
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											

14b Number of Dwellings listed

NB: Mules to be counted together with donkeys

14c Number of Occupied Dwellings

--

Question 14a

9						10	11		12
member of this household manage or operate following in Questions 9A - 9I? (owned and Mafisa livestock)						Ask for the Holder's Name if any of the following is reported, LAND, CROPS AND LIVESTOCK, i.e. (9A - 9H)	11A To be used for selection	11B Office Use	Do you have any permanent dwellings other than here, and if YES, where are they located (Write locality names)
9E	9F	9G	9H	9I	9J				
to any of Columns 9C to 9I, write NUMBER of in appropriate box and if NO, then, write zero									
BOATS	DON-KEYS	HORSES	PIGS	POULTRY	OTHER				
Number	Number	Number	Number	Number	Number				
									1
									2
									3
									4
									5
									6
									7
									8
									9
									10
									11
									12
									13
									14
									15
									16
									17
									18
									19
									20
									21
									22
									23
									24
									25

14d Total number of holders on this FORM

14e Cattle Holders with 100 cattle or more

SCHEDULE

Central Statistics Office
Private Bag 0024,
GABORONE, BOTSWANA



REPUBLIC OF BOTSWANA

All correspondence should be addressed to the Government Statistician

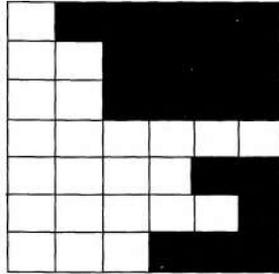
CONFIDENTIAL 2006 ANNUAL AGRICULTURAL SURVEY

Collected under Statistics Act (Cap 17:01)

FORM II: TRADITIONAL FARMERS - SECOND VISIT

Section I: IDENTIFICATION

- 1 Agricultural Region: _____
- 2 Agricultural District: _____
- 3 Administrative District _____
- 4 Enumeration Area _____
- 5 Block Number _____
- 6 Dwelling Number _____
- 7 Household Number _____
- 8 Full Name of Holder _____
- 9 Name of Respondent _____



- 10 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

11 Interview Status:	1. Completed	2. Not Completed	3. Vacant	4. Refusal	5. Not at home
<i>(Tick where applicable)</i>					

Comments:

12a. RECORD CONTROL: For Office Use Only

Number of persons		Number of fields	

12b. ALL PERSONS						SCHOOL (2 years+)	ALL PERSONS AGED 10 YEARS		
	NAMES	RELATIONSHIP	GENDER	AGE	CITIZENSHIP	ATTENDANCE		TRAINING	
1	2	3	4	5	6	7	8	9	
P E R S O N N U M B E R	What are the names of all those persons who spent last night with this household?	What is... 's relationship to household head?		How old is... in completed years	What is the country of... 's citizenship?	What was the level or grade that..... has completed?	Has... ever attended training of any type for at least 3 months?	Level obtained/to be obtained: (use codes below)	
	Start with household head	00 Head	1. Male	If less than one year old code 00	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 Other (Specify)	Never attend school 03 Pre-school 00 01 02 Primary 10 11 12 13 14 15 16 17 Secondary 21 22 23 24 25 26 Non-Formal 60 61 62 63 64 69	1 No training (Go to Col. 11) 2 Skill training 3 Completed training		
	Include newly-born babies the disabled, old persons etc	01 Spouse/Partner 02 Son/daughter 03 Child in-law 04 Step child 05 Grandchild 06 Parent 07 Parent in-law 08 Grand Parent 09 Brother/Sister 10 Nephew/Niece 11 Other relative 12 Not related	2. Female	If more than 97 years old code 98					
	01								
	02								
	03								
	04								
	05								
	06								
	07								
	08								
	09								
010									
011									
012									
013									
014									
015									
016									
017									
018									
019									
020									
021									
022									
023									
024									
025									

CODES FOR LEVEL OF EDUCATION

Pre-school	Primary		Secondary
00 1st year not completed	10 left at Standard 1	15 Std 5 completed	21 Form 1 completed 25 Form 5 completed
01 1st year completed	11 Std 1 completed	16 Std 6 completed	22 Form 2 completed 26 Form 6 completed
02 2nd year completed	12 Std 2 completed	17 Std 7 completed	23 Form 3 completed 29 Not known
09 Don't know	13 Std 3 completed	19 Not known	24 Form 4 completed
	14 Std 4 completed		

Section II: PARTICULARS OF THE HOLDING

(All responses are indicated by either writing a single code in the box provided and by circling the multiple responses)

- 13 Is this holding operated by: *Circle*
- 1. An individual living in this holding 1
 - 2. An individual living elsewhere 2
 - 3. A household with two or more persons living in this holding 3
 - 4. A household with two or more persons elsewhere 4
 - 5. Other (Specify) _____ 5

14a What other economic activities are undertaken in this holding for commercial gain? (circle appropriate codes)

- 1. None 1 ⇒ Q15
- 2. Transport services 2
- 3. Ploughing services 3
- 4. Hunting/Trapping 4
- 5. Game/Wildlife propagation 5
- 6. Fishing 6
- 7. Tree Planting 7
- 8. Timber Harvesting 8
- 9. Trading Store/Shop/Vendor 9
- 10. Selling veld Products 10
- 11. Selling Traditional beer 11
- 12. Craft-Work 12
- 13. Selling Livestock 13
- 14. Selling Crop Produce 14
- 15. Piggery 15
- 16. Bee keeping 16
- 17. Dairy Produce 17
- 18. Ostrich Farming 18
- 19. Horticulture 19
- 20. Sorghum/maize Processing 20
- 21. Fruits/vegetable Processing 21
- 22. Hides and skin processing 22
- 23. Other (Specify)..... 23

14b Of the ones indicated above, which do you regard as the **main** economic activity?

Section III: PARTICULARS OF THE HOLDER

15 State the gender of the holder

(circle appropriate code)

Male = 1
Female = 2

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

17 What is the marital status of the holder?

(Circle Code)

- 1. Never married 1
- 2. Married 2
- 3. Living together 3
- 4. Separated 4
- 5. Divorced 5
- 6. Widowed 6

18a Is the holder a Full-time Farmer?

Yes = 1 ⇒ Q19
No = 2

18b What is his/her other occupation?

Office use

Section IV ALL RESPONDENTS EVEN IF THEY DO NOT OWN A PIECE OF LAND

19 Did you or any member of this holding plant any crops during this agricultural season?

(Circle Appropriate Code)

[Yes = 1 No = 2]

20 Do you or any member of this holding have any field that is not ploughed/ planted during this agricultural season?

Yes = 1 ⇒ Q21a
No = 2 ⇒ Q21b

(Note: Go to Q21b only if Q19 is 1 otherwise end interview)

21a What were the reasons for not ploughing/planting the FALLOW fields? *(circle appropriate codes)*

- | | |
|---------------------------------|----|
| 1. Lack of rain | 1 |
| 2. Lack of money | 2 |
| 3. Lack of seeds | 3 |
| 4. Lack of labour | 4 |
| 5. Lack of draught power | 5 |
| 6. Underground fire | 6 |
| 7. Floods | 7 |
| 8. Lack of equipment/implements | 8 |
| 9. Poor soil quality | 9 |
| 10. Other (Specify) | 10 |

21b Is the ploughing/planting taking place along Molapo (river basin) or on Dry Land? *(Circle appropriate code)*

- | | |
|---|---|
| 1. Molapo/Wet land (River Basin) | 1 |
| 2. Dry land | 2 |
| 3. Both Dry land and Molapo (River Basin) | 3 |

24b Who provided this/these draught power(s)?

		Field Number
1. Self/Family	1	
2. Borrowed	2	
3. Self plus Borrowed	3	
4. Mules	4	
5. Hired	5	
6. Other (Specify)	6	

25 What implements were used to plough fields?

Implements		Field Number
1. Hoe	1	
2. Single Plough	2	
3. Double Plough	3	
4. 3-Harrow Disc	4	
5. Other (Specify)	5	

26 What methods were used to plant the seeds?

(Circle Appropriate Code)		Field Number
1. Broadcasting	1	
2. Row planting	2	
3. Row planting by hand	3	
4. Other (Specify)	4	

27 Are your fields fenced?

1. Yes- All 1
 2. Yes- Some 2
 3. No- none 3 ➡ Go to Section V

28 What kind of fences have been used?

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

Section V Land Measurement .

29 TAKE FIELD MEASUREMENT: VISIT EACH FIELD REPORTED IN THE HOLDING.
 NOTE: MAKE SURE THAT THE NUMBER OF FIELDS REPORTED FOR AREA MEASUREMENT REFLECT THE NUMBER OF FIELDS REPORTED IN QUESTION 24 IN THAT SEQUENCE

Sketch Map of Field

Field No:

Planted (1) / Fallow (2)

Area Measurements (Compass and Chain)

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

Side	Length(m)	Bearing		Inside Angle
		Forward	Backward	

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

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

Sketch Map of Field

Field No:

Planted (1) / Fallow (2)

Area Measurements (Compass and Chain)

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

Side	Length(m)	Bearing		Inside Angle
		Forward	Backward	

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

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

Sketch Map of Field

Field No:

Planted (1) / Fallow (2)

Area Measurements (Compass and Chain)

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

Side	Length(m)	Bearing		Inside Angle
		Forward	Backward	

Supervisor

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

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

Sketch Map of Field

Field No:

Planted (1) / Fallow (2)

Area Measurements (Compass and Chain)

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

Side	Length(m)	Bearing		Inside Angle
		Forward	Backward	

Supervisor

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

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

30 Total Number of Fields:

1. Crop Field:

2. Fallow field



REPUBLIC OF BOTSWANA

Central Statistics Office
Private Bag 0024,
GABORONE, BOTSWANA



All correspondence should be addressed to the Government Statistician

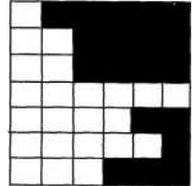
CONFIDENTIAL 2006 ANNUAL AGRICULTURAL SURVEY

Collected under Statistics Act (Cap 17:01)

FORM III : TRADITIONAL FARMERS - SECOND VISIT

Section I: Identification

- 1 Agricultural Region: _____
- 2 Agricultural District: _____
- 3 Administrative District _____
- 4 Enumeration Area _____
- 5 Block Number _____
- 6 Dwelling Number _____
- 7 Household Number _____



8a Full Name of Holder

8b Gender of Holder [Male = 1 Female = 2]

9a Name of previous Respondent

9b Name of Respondent

9c Is the respondent the:

(Circle code)

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

Respondent's	Name
	Signature
	Date
Supervisor's	Name
	Signature
	Date

Enumerator's Visit Log

Visit No.	Date	Time	Remarks

10 Interview Status

(Tick where applicable)

1. Completed	2. Not Completed	3. Vacant	4. Refusal	5. Not at home
<input type="checkbox"/>				

Comments:

SECTION II : LIVESTOCK

Part A : CATTLE

- 11a** Does this holding own, raise, operate or manage any Cattle? *(Include Mafisa Cattle in your Kraal)* Yes =1 Q12a
No = 2 Q11b
- 11b** Has this Holding ever had any Cattle during this agricultural season? Yes =1 Q13
No = 2 Q22a
- 12a** How many of the following breeds do you have? *(Include Cattle owned by other members of this Holding and Mafisa in?)*

BREED	Bulls	Oxen	Cows	Heifers	Tollies	Male Calves	Female Calves	Total
1. Tswana breed								
2. Crosses								
3. Exotic breeds								
TOTAL								

- 12b** Which breed of cattle do you prefer most? _____ office use
- 12c** Cattle Breed Preference: Why do you prefer this particular breed? _____ office use
- 12d** What is the breeding method that you use amongst your cattle? 1 Artificial insemination
2 Bull service
3 Both artificial insemination and bull service
- 12e** Breeding method use: Why do you use this particular method? _____ office use
- 13a** Had there been any sales? Yes = 1
No = 2 Q14a

13b 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)*

Sold To	Sold		Traded Out			Bulls	
	Number	Value	Number	Value	Description	Number	Value
1. BMC Direct							
2. BMC Agent							
3. At Auction							
4. Government Restocking							
5. Another farmer							
6. Trader							
7. Butcher							
8. Feedlot							
9. Other (specify)							

CALVES ONLY

- 14a** How many Calves were born during this agricultural season through; *(Include those lost, dead, sold, etc)*
- a. Artificial insemination b. Bull service
- 14b** How many Calves died during this agricultural season ?
- 14c** Causes of deaths? Tick where applicable
- | | | | | | |
|-------------|--------------|--------------|--------------|------------|----------|
| 1. Diseases | 2. Parasites | 3. Accidents | 4. Predators | 5. Drought | 6. Other |
|-------------|--------------|--------------|--------------|------------|----------|
- 14d** How many calves were lost due to strays and theft during this agricultural season?
Do not include calves already reported as dead.

CATTLE ONLY

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

15b Causes of deaths?

Tick where applicable

1. Diseases	2. Parasites	3. Accidents	4. Predators	5. Drought	6. Other
-------------	--------------	--------------	--------------	------------	----------

- 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?
- 19 Given Away: How many Cattle were given away (including Bogodi) 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	Bulls	
				Number	Value
1. Purchased					
2. Obtained					

21a Were any chemicals/ drugs/vaccines used on your Cattle during this agricultural season? Yes = 1
No = 2 Q21c

21b Name the diseases or parasites that chemicals/drugs/vaccines were used to control.

- | | |
|---|---|
| 1. Anthrax (Kwatsi) | 1 |
| 2. Blackleg (Serotswana) | 2 |
| 3. Botulism (Mokokomalo) | 3 |
| 4. Brucellosis (Pholotso) | 4 |
| 5. Foot & Mouth disease (Thako le Molomo) | 5 |
| 6. Lumpy Skin disease (Nkokomane) | 6 |
| 7. Other | 7 |

21c Were any feeds used on your cattle during this Agricultural season? Yes = 1
No = 2 Q22a

21d What are types, quantity and cost of feeds that you use among your cattle?

Feeds	Codes	Quantity (Kg)	Cost
1 Lucene	1		P
2 Nitrogen/Protein feeds	2		P
3 Drought Pallets	3		P
4 Lablab	4		P
5 Mollases (Powder)	5		P
6 Mollases (Liquid)	6		P
7 Mollases (Meal)	7		P
8 Stover (Lotlhaka)	8		P
9 Grasses (Fodder)	9		P
10 Maize Grains (Baley)	10		P
11 Rumebite	11		P
12 Hay	12		P
13 Feed Grade Urea	13		P
14 Brenco feeds	14		P
15 Other (Specify)	15		P

Part B : GOATS

22a Does this holding own, raise, operate or manage any Goats? Yes = 1 Q23
No = 2 Q22b

(Include Mafisa Goats in your Kraal)

22b Has this Holding ever had any Goats during this agricultural season? Yes = 1 Q24
No = 2 Q34a

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

BREED	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. Crosses						
3. Exotic breeds						
TOTAL						

KIDS ONLY

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

25a How many Kids died during this agricultural season ?

25b Causes of deaths? Tick where applicable

1. Diseases	2. Parasites	3. Accidents	4. Predators	5. Drought	6. Other

26 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

27a How many Goats, excluding Kids, died during this agricultural season ?

27b Causes of deaths? Tick where applicable

1. Diseases	2. Parasites	3. Accidents	4. Predators	5. Drought	6. Other

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

29 How many Goats were slaughtered for consumption during this agricultural season ?
Include slaughtered for weddings, deaths ceremonies etc.

GOATS AND KIDS

30 How many Goats were given away during this agricultural season ?

31 How many Goats were sold or traded during this agricultural season ?

Include BMC, Auctions, Abattoirs, Traders Farmers etc

Bucks	
Sales/Traded	Value
1. Sales	
2. Traded out	

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

Bucks	
Purchased/Obtained	Value
1. Purchased	
2. Obtained	

33a Were any chemicals/drugs/vaccines used on your Goats during this agricultural season? Yes = 1 No = 2 Q33c

33b Name the diseases or parasites that chemicals/drugs/vaccines were used to control

1. Helminthiosis/coccidiosis (Internal Parasites)- Dibokwana
2. Pasteurellosis - madi
3. Orf - Mkgomana
4. Heart water - Metsi a pelo
5. Foot Rot - Tlhakwana
6. Pediculosis - Dinwa madi tsa kwa ntle ga letlalo
7. Other (Specify)

33c Were any feeds used on your Goats during this agricultural season? Yes = 1

No = 2 Q34a

33d What are types, quantity and cost of feeds that you use among your Goats?

Feeds	Codes	Quantity (Kg, Lt)	Cost
1. Ram, Lamb & Ewe Paletts	1		P
2. Moroko	2		P
3. Salt	3		P
4. Dacalcium	4		P
5. Rumbite	5		P
6. Mollases (Powder)	6		P
7. Mollases (Liquid)	7		P
8. Mollases (Meal)	8		P
9. Brenco feeds	9		P
10. Other (Specify)	10		P

Part C : SHEEP

34a Does this holding own, raise, operate or manage any Sheep?

Yes = 1 Q35

(Include Mafisa Sheep in your Kraal)

No = 2 Q34b

34b Has this Holding ever had any sheep during this agricultural season?

Yes = 1 Q36

No = 2 Q46

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

BREED	Rams 1 Year & Over	Castrated Males 1 Year & Over	Females 1 Year & Over	Males Under 1 Year	Females Under 1 Year	Total
1. Tswana breed						
2. Crosses						
3. Exotic breeds						
TOTAL						

LAMBS ONLY

36 How many Lambs were born during this agricultural season ?

(include those lost, dead, sold, etc)

37a How many Lambs died during this agricultural season ?

37b Causes of deaths?

Tick where applicable

1. Diseases	2. Parasites	3. Accidents	4. Predators	5. Drought	6. Other

38 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

39a How many Sheep, excluding Lambs died during this agricultural season ?

39b Causes of deaths?

Tick where applicable

1. Diseases	2. Parasites	3. Accidents	4. Predators	5. Drought	6. Other

40 How many Sheep were lost due to strays and theft during this agricultural season ?

Do not include Sheep already reported as dead.

41 How many Sheep were slaughtered for consumption during this agricultural season ?

Include slaughtered for weddings, deaths ceremonies etc.

SHEEP AND LAMBS

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

43 How many Sheep were sold or traded during this agricultural season ?

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

44 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	Rams	
				Number	Value
1. Purchased					
2. Obtained					

45a Were any chemicals/drugs/vaccines used on your Sheep during this agricultural season?

Yes = 1

No = 2 Q45c

45b Name the diseases or parasites that chemicals/drugs/vaccines were used to control.

1. Helminthiosis/coccidiosis (Internal Parasites)- Dibokwana
2. Pasteurellosis - madi
3. Enterotoxaemia - Diphilo
4. Heart water - Metsi a pelo
5. Foot Rot - Thakwana
6. Pediculosis - Dinwa madi tsa kwa ntle ga letlalo
7. Sheep Scab - Lekgwaphe
8. Other (Specify)

45c Were any feeds used on your Sheep during this agricultural season?

Yes = 1

No = Q46

45d What are types, quantity and cost of feeds that you use among your Sheep?

Feeds	Codes	Quantity (Kg)	Cost
1. Ram, Lamb & Ewe Paletts	1		P
2. Moroko	2		P
3. Salt	3		P
4. Dacalcium	4		P
5. Rumbite	5		P
6. Mollases (Powder)	6		P
7. Mollases (Liquid)	7		P
8. Mollases (Meal)	8		P
9. Brenco feeds	9		P
10. Other (Specify)	10		P

51b What were these pesticides/chemicals used to control?

(Circle code)

- | | |
|--------------------|---|
| 1. Insects | 1 |
| 2. Parasites | 2 |
| 3. Disease/Fungi | 3 |
| 4. Other (Specify) | 4 |

52a Did you weed your crop fields this agricultural season?

- | | |
|-----------|---|
| Yes, all | 1 |
| Yes, Some | 2 |
| No | 3 |

Q53

52b How many times did you weed your fields?

53 What was the predominant weed? (circle appropriate code)

- | | |
|---|---|
| 1 | Cynodon dactylon (motlho, motlhwa) |
| 2 | Datura ferox (mokbure) |
| 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) |

Part C: DISPOSAL OF CROP PRODUCE

54 Now ask the Holder about the harvested crops:

Harvesting Codes Has been Harvested = 1 Will be Harvested = 2 Will not be Harvested = 3	Field Number																									
	Crop:	Crop:	Crop:	Crop:	Crop:	Crop:	Crop:	Crop:	Crop:	Crop:	Crop:	Crop:	Crop:	Crop:	Crop:	Crop:	Crop:	Crop:	Crop:	Crop:	Crop:	Crop:	Crop:	Crop:	Crop:	
a. Office Use (Crop Code)																										
b. Harvesting Status Code																										
c. Total Production																										
Weight of Unit (Kg, Lt)																										
Number of Units																										
Office Use (Qty Kg)																										
d. Home Consumption																										
Weight of Unit (Kg)																										
Number of Units																										
Office Use (Qty Kg)																										
e. Stored																										
Weight of Unit (Kg)																										
Number of Units																										
Office Use (Qty Kg)																										
f. Given Away																										
Weight of Unit (Kg)																										
Number of Units																										
Office Use (Qty Kg)																										
g. Payment in kind																										
Weight of Unit (Kg)																										
Number of Units																										
Office Use (Qty Kg)																										
h. Sold/Traded																										
Weight of Unit (Kg)																										
Number of Units																										
Amount Received (Pula)																										
Office Use (Qty Kg)																										
i. Expected further sales																										
Weight of Unit (Kg) 0																										
Number of Units																										
Amount Expected (Pula)																										
Office Use (Qty Kg)																										
Area Harvested (OH use)																										

NOTE: (1) If there are crops sold or expected further sales indicated, i.e. Question 54i and 54h have entries, ask Q54 and (2) If there is harvesting status code of three (3) in Question 54, ask Question 56. Otherwise if none of the above is indicated as stated, go to Section IV.

55 To whom were most of the crops sold?(Circle Appropriate code)

Crop Buyers	CROP CODES
1. BAMB directly	
2. BAMB agent	
3. Cooperative	
4. Private trader	
5. Public directly	
6. Millers	
7. Seed Multiplication unit	
8. Other (specify)	

56 What are the main reasons for not harvesting the crops mentioned earlier in Question 54 (Tick Appropriate codes)?

Crop Codes	Field Numbers			
	F1	F2	F3	F4
1. Lack of rain				
2. Livestock destroyed crops				
3. Diseases destroyed crops				
4. Pests attacked crops				
5. Underground fire				
6. Floods destroyed crops				
7. Weeds destroyed crops				
8. Frost destroyed crops				
9. Wildlife destroyed crops				
10. Quelling bird destroyed crops				
11. Locust destroyed crops				
12. Other (Specify)				

SECTION IV : WATER SUPPLY, FARM EQUIPMENT AND MACHINERY INVENTORY

57a What is your most reliable source of water supply for the following?

	Tick where appropriate						
	1. Borehole	2. Well (Sediba)	3. Dam	4. River (Including Go shaola)	5. Lecha (Pan)	6. Pond	7. ALDEP Tank
1. Livestock							
2. Household							

57b Who owns the water source?

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

57c For water supply being borehole; state the source of energy 1. Solar 2. Petrol 3. Diesel 4. Electricity

57d What is the approximate distance in kilometres from 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	

58 How many of the following 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. Sledge			

	Working Condition		
	Good	Temporarily Out of Order	Total
17. Spray race			
18. Spray pump			
19. Dip-tank			
20. Maize grinder			
21. Maize Sheller			
22. Bailer			
23. Forage Harvester			
24. Axe			
25. Spade			
26. Shovel			
27. Bospik			
28. 3-Harrow disc			
29			
30			
31			
32			

SECTION V : FARM ENTERPRISE
Part A: ECONOMIC SECTION

59a 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>) _____ |

59b Of the ones indicated above, which do you regard as the main?

60a 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*) _____

60b Of the ones indicated above, which do you regard as the main source?

61a Are you aware of any of the following Farming Programmes?

- (*Circle codes*)
1. ALDEP
 2. NAMPAADD
 3. SLOCA
 4. Livestock Water Development
 5. Other (*Specify*) _____
 6. None **Q62**

61b Have you ever benefited from the following Farming Programmes?

- (*Circle codes*)
1. ALDEP
 2. NAMPAADD
 3. SLOCA
 4. Livestock Water Development
 5. Other (*Specify*) _____
 6. None **Q62**

61c What was/were the package(s) obtained?

- | | |
|--|--|
| 1. Fencing (<i>ALDEP</i>) | 6. Water tanks (<i>ALDEP</i>) |
| 2. Implements (<i>ALDEP</i>) | 7. Small Stock (<i>SLOCA</i>) |
| 3. Draught Power: Donkeys/Mules (<i>ALDEP</i>) | 8. NAMPAADD Technologies (<i>NAMPAADD</i>) |
| 4. Draught Power: Cattle (<i>ALDEP</i>) | 9. Syndicate Dams (<i>Livestock Water Development</i>) |
| 5. Scotch Cart (<i>ALDEP</i>) | 10. Borehole drilling & equipping (<i>Livestock Water Development</i>) |
| | 11. Other (<i>Specify</i>) _____ |

Part B: FARM LABOUR

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

- Yes = 1 **Q63**
No = 2 **END INTERVIEW**

Question 63

PERSONS CURRENTLY EMPLOYED IN THIS HOLDING

	NAME	GENDER	AGE	CITIZENSHIP	MARITAL STATUS	HIGHEST LEVEL	SKILLS ACQUIRED	EMPLOYEE STATUS	EMPLOYMENT STATUS	OCCUPATION	PAY PERIOD	AMOUNT	CASH EQUIVALENT
1	2	3	4	5	6	7	8	9	10	11	12	13	14
W O R K E R N U M B E R	Please Give names of all who are currently employed in this holding	1. Male 2. Female	How old is.....? (Age in completed years)	What is the country of....'s citizenship 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 Other (specify)	What is....'s Marital status? 1. Never married 2. Married 3. Living together 4. Separated 5. Divorced 6. Widowed	What is.... the Level/ Grade Has..... Completed? (Use Education Codes given below) 03 Never attended school	How did.... Get the skills He/She uses now? 1. Self taught 2. Apprenticeship 3. On the Job 4. Technical/ Vocational Institution Other (Specify)	What is.....working as? 1. Employee-paid cash 2. Employee-paid inkind 3. Employee-paid both inkind & cash 4. Unpaid family helper 5. Worked in own lands/ cattlepost (unpaid)	Is.....employed on fulltime or temporary basis? 1. Temporary* 2. Full time (Note: * include also casual labourers)	What type of work does.....do? (Use at least two words to describe his/her work probe as necessary)	How often is....paid? 1. Daily 2. Weekly 3. Fortnightly 4. Monthly 5. Every six months 6. Yearly 7. Other (specify)	How much cash to the nearest Pula	How Much is the Cash Equivalent of the In kind 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 7 - HIGHEST LEVEL OF EDUCATION COMPLETED

Primary			Secondary		Non Formal	
10 Std 1 and completed	13 Std 3 completed	16 Std 6 completed	21 Form 1 completed	25 Form 5 completed	60 Primer 1 not completed	63 Primer 3 completed
11 Std 1 completed	14 Std 4 completed	17 Std 7 completed	22 Form 2 completed	26 Form 6 completed	61 Primer 1 completed	64 Primer 4 completed
12 Std 2 completed	15 Std 5 completed	19 Not known	23 Form 3 completed	29 Not known	62 Primer 2 completed	65 Primer 5 completed
			24 Form 4 completed			69 Not known

64 Land Measurement Continued
Sketch Map of Field

Field No.

Planted (1) Fallow (2)



Area Measurements (Compass and Chain)

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

Side	Length(m)	Bearing		Inside Angle
		Forward	Backward	

Supervisor

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

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

Sketch Map of Field

Field No:

Planted (1) Fallow (2)



Area Measurements (Compass and Chain)

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

Side	Length(m)	Bearing		Inside Angle
		Forward	Backward	

Supervisor

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

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

65 Total Number of Fields:

1. Crop Fields

2. Fallow Fields (2)



CONFIDENTIAL

2006 ANNUAL AGRICULTURAL SURVEY

Collected under Statistics Act (Cap. 17:01)

FORM IV: COMMERCIAL FARMS AND RANCHES

Section I: IDENTIFICATION

	<i>For Office Use Only</i>													
	1 Agricultural Region:	<table border="1"> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </table>												
	2 Agricultural District:													
	3 Block Number													
	4 Questionnaire Number													

5 If the above Name is incorrect or the Estate has a New Owner, please write the correct address in the opposite box.

(Unless otherwise stated, responses are to be circled)

6 What is the Farm Number ?

7 If this Farm is also known by another Name, please indicate: _____

8a Ownership Status 1. Owner 2. Leasee

8b Name of Owner/leasee _____

9 Gender 1. Male 2. Female

10a In which Block is this Farm located? *(Circle appropriate code)*

- | | | |
|----------------------|---------------------|----------------------------|
| 1. Tuli Block | 7. Lobatse Freehold | 13. Haina Veld TGLP |
| 2. Tati Block | 8. Sand Veld TGLP | 14. Nata TGLP |
| 3. Gantsi Freehold | 9. Ngwaketse TGLP | 15. Lepasha TGLP |
| 4. Molopo Freehold | 10. Kgalagadi TGLP | 16. Barolong Farms |
| 5. Gaborone Freehold | 11. Kweneng TGLP | 17. Government |
| 6. Pandamatenga | 12. Gantsi TGLP | 18. Other <i>(Specify)</i> |

10b What is the total area for this particular Farm? Hectares

10c Is the farm fenced? 1. Yes 2. No

11 Indicate the type of Organisation or Management of this Farm: *(enter appropriate code)*

- | | | | |
|----------------------------|---|---------------------------------|---|
| 1. Individual Ownership | 1 | 5. Public Limited Company | 5 |
| 2. Partnership | 2 | 6. TGLP Syndicate | 6 |
| 3. Co-operative | 3 | 7. Government | 7 |
| 4. Private Limited Company | 4 | 8. Other <i>(Specify)</i> _____ | 8 |

- 12 Are there other farms in this Block that are under the same Ownership as this one? Yes = 1
No = 2 Q14
- 13 Please give Farm Names, Locations and Total Area for each Farm specified.

	Name	Postal Address	Area	Unit of measurement
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				

*Please do not include information from these Farms on this form. You will be sent separate FORMS for each Farm that you have specified in Question 13.

Section II: LIVESTOCK; BEEF AND DAIRY CATTLE

- 14 Does this Farm have any Cattle? (circle code) Dairy only 1 Q17a
Beef only 2
Both 3 Q16a
None 4 Q15
- 15 Did this Farm have any Cattle during this agricultural season? Yes = 1 Q19c
No = 2 Q27a

A: BEEF CATTLE ONLY

- 16a How many of the following beef animals do you have for each breed on this Farm?

Breed	Bulls	Oxen	Cows	Heifers	Tollies	Bullocks	Male Calves	Female Calves	Totals
1. Simentaler									
2. Charollais									
3. Brown Swiss									
4. Toll									
5. Bonsmara									
6. Brahman									
7. Sussex									
8. Africander									
9. Santa Gotrudis									
10. Crosses									
11. Tswana									
12. Other (specify)									
TOTAL									

- 16b Cattle Breed Preference: Which breed of beef cattle do you prefer most? _____ (Office Use)
- 16c Why do you prefer this particular breed? _____ (Office Use)
- 16d Were any feeds used on your Beef cattle during this agricultural season?

Yes = 1 Q16e
No = 2 Q16g

17b **Cattle Breed Preference:** Which breed of dairy cattle do you prefer most? _____ (Office Use)

17c Why do you prefer this particular breed? _____ (Office Use)

17d **Breeding Stock:** How many were bought and what were the costs during this agricultural season?

1. Locally
2. Imported
3. Other

Number	Cost

17e Were the animals tested for TB and Brucellosis during this agricultural season?
(tick appropriate box)

	Yes	No
TB		
Brucellosis		

MILK AND MILK PRODUCTS

18a How much milk is produced per day in litres? _____ Litres

18b How much milk is produced per lactation period? (i.e in 305 Days) _____ Litres

18c What is the farm gate price

price
P _____

18d To whom is the raw milk sold ?

1. Processing plant
2. Consumer - Contract
3. Consumer - Individual (Circle appropriate codes)

18e Is some of the milk produced in this farm processed to produce any products?

Yes = 1 Q18f
No = 2 Q18h

18f What are the milk products produced in this farm?

- Product**
1. Pasturised milk
 2. Sour milk
 3. Yoghurt
 4. Cheese
 5. Other (specify)

(tick appropriate box)

	Yes	No

18g What are the quantities produced per each product and the retail prices?

Product	Quantity	Weight per unit of measure	Retail price /unit	Sold To
Pasturised milk				
Sour milk				
Yoghurt				
Cheese				
Other (specify)				

DAIRY INPUTS

18h How many of the following do you have and are either in good working condition or temporarily out of order?

	Working condition		
	Working	Out of order	Total
Milk cooling tank			
Milking machine (with its accessories)			
Milk cans			
Milk strainer			
Strip cup			
Steamless milk buckets			
Nitrogen flask			

18i Are there any problems that you experience in this dairy farm? (Circle appropriate codes)

- | | |
|--------------------------------|---|
| 1. Market problems | 1 |
| 2. Veterinary support services | 2 |
| 3. Other (specify) | 3 |

18j Were any feeds used on your Dairy cattle during this agricultural season? Yes = 1 Q18k
No = 2 Q18m

- 18k What are sources of feeds? (Circle appropriate codes)
- | | |
|--------------------------|---|
| 1. Imported | 1 |
| 2. Retailers | 2 |
| 3. Agric. Veterinary | 3 |
| 4. BAMB | 4 |
| 5. Agric. chemistry | 5 |
| 6. Agric. Trades | 6 |
| 7. Other (specify) _____ | 7 |

18l What are types, quantity and cost of feeds that you use among your dairy cattle?

Feeds	Codes	Quantity (Kg, Lt)	Cost
1 Dairy meal	1		P
2 Lucene	2		P
3 Blue Buffalo grass	3		P
4 Sunflower cake	4		P
5 Cotton seed cake	5		P
6 Maize stover	6		P
7 Mollases (powder)	7		P
8 Mollases (liquid)	8		P
9 Mollases (meal)	9		P
10 Calf grower	10		P
11 Calf Starter	11		P
12 Dicalcium Phosphate	12		P
13 Coarse Salt	13		P
14 Phosamide	14		P
15 Brenco feeds	15		P
16 Other (Specify)	16		P

} supplementary feeds

18m What are the Grazing System/Methods you use among your dairy cattle? (Circle appropriate codes)

1. Zero grazing/intensive
2. Semi-extensive
3. Extensive
4. Other (Specify)

18n Were any chemicals/ drugs/vaccines used on your Dairy Cattle during this agricultural season? Yes = 1 Q18o
No = 2 Q19a

18o Name the disease or parasites that chemicals were used to control.

- | | |
|---|---|
| 1. Anthrax (Kwatsi) | 1 |
| 2. Blackleg (Serotswana) | 2 |
| 3. Botulism (Mokokomalo) | 3 |
| 4. Brucellosis (Pholotso) | 4 |
| 5. Foot & Mouth disease (Thako le Molomo) | 5 |
| 6. Lumpy Skin disease (Nkokomane) | 6 |
| 7. Other | 7 |

C: BEEF AND/OR DAIRY

19a Breeding Method: What is the breeding method used amongst your Cattle?
(Tick where appropriate)

Methods	Dairy	Beef
1. Artificial insemination		
2. Bull service		
3. Both		

19b(i) Why do you prefer this particular method? (Beef) (Office Use)

Sales: How many goats were sold or traded during this agricultural seasons?

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

37 Purchased: How many goats were purchased/obtained during this agricultural season?

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

38a Were any vaccines/drugs/chemicals used on your livestock during this agricultural season?

Yes = 1 Q38b
No = 2 Q39a

38b What type of vaccines/drugs/chemicals did you use?
(write names of vaccines/drugs/medicines below)

1 _____ 4 _____
2 _____ 5 _____
3 _____ 6 _____

38c Name the disease or parasites that chemicals were used to control.

- | | |
|---|---|
| 1. Helminthiosis/coccidiosis (Internal Parasites) | 1 |
| 2. Pasteurellosis - madi | 2 |
| 3. Orf - Mokgomana | 3 |
| 4. Heart water - Metsi a pelo | 4 |
| 5. Foot Rot - Tlhakwana | 5 |
| 6. Pediculosis - Dinwa madi tsa kwa ntle ga letlalo | 6 |
| 7. Other (Specify) | 7 |

38d Were any Feeds used on your Goats during this agricultural season?

Yes = 1 Q38d
No = 2 Q39a

38e What are types, quantity and cost of feeds that you use among your Goats?

Feeds	Codes	Quantity(Kg, Lt)	Cost
1. Ram, Lamb & Ewe Paletts	1		P
2. Moroko	2		P
3. Salt	3		P
4. Dacalcium	4		P
5. Rumbite	5		P
6. Mollases (Powder)	6		P
7. Mollases (Liquid)	7		P
8. Mollases (Meal)	8		P
9. Brenco feeds	9		P
10. Other (Specify)	10		P

Section II : SMALLSTOCK: SHEEP

39a Does this Farm have any Sheep?

Yes = 1 Q40
No = 2 Q39b

39b Did this Farm have any Sheep during this agricultural season?

Yes = 1 Q41
No = 2 Q51

40 How many of the following do you have on this Farm?

Breed	Uncastrated Males	Castrated Males	Female Sheep	Male Lambs	Female Lambs	Total
1. Dorper						
2. Karakul						
3. Tswana						
4. Other (specify)						
Total						

LAMBS ONLY

41 Births: How many Lambs were born during this agricultural season?
include those dead, lost, sold etc

42a Deaths: How many Lambs died during this agricultural season?

42b Causes of deaths? *(Tick where appropriate)*

1. Diseases	2. Parasites	3. Accidents	4. Predators	5. Drought	6. Other

43 Lost: How many Lambs were lost due to strays and theft during this agricultural season?

SHEEP - EXCLUDING LAMBS

44 Deaths: How many Sheep, excluding Lambs, died during this agricultural season?

45a Lost: How many Sheep(excluding Lambs) were lost due to strays during this agricultural season?

45b Causes of deaths? *(Tick where appropriate)*

1. Diseases	2. Parasites	3. Accidents	4. Predators	5. Drought	6. Other

46 Consumption: How many Sheep were slaughtered for consumption during this agricultural season?
Include those slaughtered for weddings, death ceremonies etc

47 Given away: How many Sheep were given away during this agricultural season?

48 Sales: How many Sheep were sold or traded during this agricultural season?

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

49 Purchased: Purchased/obtained during this agricultural season?

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

50a Were any vaccines/drugs/chemicals used on your Sheep during this agricultural season? Yes = 1
No = 2 Q51

50b What type of vaccines/drugs/chemicals did you use?
(write names of vaccines/drugs/medicines below)

- 1 _____ 4 _____
- 2 _____ 5 _____
- 3 _____ 6 _____

50c Name the disease or parasites that chemicals were used to control.

- 1. Helminthiosis/coccidiosis (Internal Parasites) 1
- 2. Pasteurellosis - madi 2
- 3. Orf - Mokgomana 3
- 4. Heart water - Metsi a pelo 4
- 5. Foot Rot - Tlhakwana 5
- 6. Pediculosis - Dinwa madi tsa kwa ntle ga letlalo 6
- 7. Other (Specify) 7

50d Were any Feeds used on your Sheep during this agricultural season? Yes = 1 Q50c
No = 2 Q51

50e What are types, quantity and cost of feeds that you use among your Sheep?

Feeds	Codes	Quantity(Kg, Lt)	Cost
1. Ram, Lamb & Ewe Paletts	1		P
2. Moroko	2		P
3. Salt	3		P
4. Dacalcium	4		P
5. Ramebite	5		P
6. Mollases (Powder)	6		P
7. Mollases (Liquid)	7		P
8. Mollases (Meal)	8		P
9. Brecco feeds	9		P
10. Other (Specify)	10		P

Section II: LIVESTOCK: OTHER LIVESTOCK

51 How many Other Livestock are on this Farm/Ranch and how many were sold or traded during this agricultural season? If animals were exchanged for other goods, state the value or the description of those goods

ANIMAL	Current Number	SALES		TRADED OUT		(office use)
		Number	Value	Number	Discription of traded goods received	Value
1. Pigs						
2. Donkeys						
3. Mules						
4. Horses						
5. Dogs						
6. Chickens						
7. Ostriches						
8. Other Birds						
9. Other Animals						

52a Were any vaccines/drugs/chemicals used on your livestock during this agricultural season?

Yes = 1
No = 2 Q53a

52b What type of vaccines/drugs/chemicals did you use?
(write names of vaccines/drugs/medicines below)

1 _____ 4 _____
2 _____ 5 _____
3 _____ 6 _____

Section III: A. CROP PRODUCTION (Cereal Crops, Fruits & Vegetables)

53a Did you or any member of this holding plant/grow any field crops, Fruits and Vegetables in this Farm? during this agricultural season?

Yes = 1
No = 2 Q65

53b Are there any crops under irrigation during this agricultural season?

Yes = 1
No = 2 Q55

54 Please indicate the type of irrigation system used (Tick where appropriate).

1. Furrow	2. Drip	3. Sprinkler	4. Centre Pivot	5. Basin	6. Micro Jet	7. Hose	8. Other

Section III: B. CROP PRODUCTION : WATER SOURCE

55 What is your most reliable source of water supply for your crops and what is the quality of water?
(Tick where appropriate)

Quality of Water	Borehole 1	Dam 2	River 3	Well 4
Normal				
Salty				
Alkaline				
Acidic				

56 Who owns the water source?

(Circle)

- | | |
|-----------|---|
| Self | 1 |
| Family | 2 |
| Syndicate | 3 |
| Community | 4 |
| Council | 5 |
| None | 6 |

Section IV: FARMING PRACTICE USE OF FERTILISER

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

Yes = 1
No = 2 Q60

58 What kind of fertilisers did you use?

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

59 What was the overall quantity used?

Kg Lt

60 Were any pesticides used on your crop fields?

Yes = 1
No = 2 Q62

61 What kind of pesticide did you use? (Circle appropriate codes)

- | | |
|-----------------|-----------------|
| 1. Parathion | 5. DDT |
| 2. Malathion | 6. Aldrin |
| 3. Carbaryl | 7. Cypermethrin |
| 4. Alphamethrin | 8. |
| | 9. |

Section V DISPOSAL OF YOUR CROP PRODUCTION

62 Please give details below of the total area planted and area harvested and the crop production and disposal during this agricultural season? For perennial crops, give total area under cultivation.

62a Please give details below of the total area planted and harvested and the crop production and disposal in the agricultural period. For perennial crops, give total area under cultivation.

Crops	Crop Area Planted and Harvested				Total Production for the Season		Disposal of your Production for the Season									Crop Code Office Use Only
	Total Area In Hectares (including irrigated)		Irrigated Area only		Total Production (including irrigated)		Irrigated Area only	Number of Units Sold	Average Price per Unit Sold (Pula)	Total Receipts from Sales Already Made (Pula)	Number of Units Expect to Sell	Expected Total Receipts from column 12 (Pula)*	Units given away & Home Consumption **	Units for Payment in Kind **	Other Crop Produce	
	Planted	Harvested	Planted	Harvested	Number	Weight	Number of Units									
	2	3	4	5	q/ Units	kg/ Unit	8	9	10	11	12	13	14	15	16	
A. GRAINS																
1. Sorghum																
2. Maize																
3. Pearl millet																
4. Finger millet																
5. Wheat																
B. CASH CROPS																
1. Cow peas																
2. Common beans																
3. Tertiary beans																
4. Mum beans																
5. Jugo beans																
6. Sunflower																
7. Groundnuts																
8. Cotton																
9. Chillies																
10. Okra																
11. Baby Marrow																
12. Egg Plant																
13. Sweet reed																
14. Sugar cane																
15. Olive																

Notes:

1. Please include any crops you have that are not listed
2. In columns 6,7,8,9,10,12,14,15, by UNIT we mean a bag, box, bundle, etc. Specify average weight per unit in column 7.
3. Columns 9, 10 & 11 deal with sales you have already made, while column 12 deals with sales you still expect to make from the harvest of the current agricultural season (October of previous year to September of current year)
4. * Column 13 requires the expected total receipts from the remaining units still to be sold.
5. ** Include in: Column 14 quantity for your own household consumption & given away, Column 15 quantity used for farm labourers as payment in kind

Crops	Crop Area Planted and Harvested				Total Production for the Season			Disposal of your Production for the Season							Crop Code Office Use Only	
	Total Area In Hectares (Including Irrigated)		Irrigated Area only		Total Production (including irrigated)		Irrigated Area only	Number of Units Sold	Average Price per Unit Sold (Pula)	Total Receipts from Sales Already Made (Pula)	Number of Units Expect to Sell	Expected Total Receipts from column 12 (Pula)*	Units given away & Home Consumption **	Units for Payment in Kind **		Other Crop Produce
	Planted	Harvested	Planted	Harvested	Number of Units	Weight (kg) per Unit	Number of Units									
	2	3	4	5	6	7	8	9	10	11	12	13	14	15		16
C. VEGETABLES																
1. Potatoes																
2. Tomatoes																
3. Onions																
4. Cabbage																
5. Spinach																
6. Carrots																
7. Beet Root																
8. Rape																
9. Kale																
D. FRUIT																
1. Oranges																
2. Nectarines																
3. Lemons																
4. Grapefruits																
5. Bananas																
6. Watermelons																
7. Mango																
8. Peaches																
E. FODDER																
1. Lucerne																
2. Lablab																

- Notes:
1. Please include any crops you have that are not listed.
 2. In columns 6, 7, 8, 9, 10, 12, 14, 15, by UNIT we mean a bag, box, bundle, etc. Specify average weight per unit in column 7.
 3. Columns 9, 10 & 11 deal with sales you have already made, while column 12 deals with sales you still expect to make from the harvest of the current agricultural season (October of previous year to September of current year).
 4. * Column 13 requires the expected total receipts from the remaining units still to be sold.
 5. ** Include in: Column 14 quantity for your own household consumption & given away, Column 15 quantity used for farm labourers as payment in kind.

62b Do you produce the following: Hay or Silage

Yes - 1
No - 2

⇒ Q63

(Circle appropriate code)

62c From which crop(s) do you produce the following:—

	Crop name	Weight (Kg) per unit	Crop name	Weight (Kg) per unit	Crop name	Weight (Kg) per unit
Hay						
Silage						

63 Who are your Crop Buyers during this agricultural season?

Crop Buyers	Crop name
1. BAMB	
2. BAMB Agent	
3. Co-operative	
4. Trader	
5. Exported	
6. Millers	
7. Public	
8. Seed Multiplication Unit	
9. Other (specify)-----	

64 To which of the following buyers do you sell your horticultural produce?
(Circle appropriate codes)

1. Wholesalers
2. Farm Stall
3. Retailers
4. Street Vendors
5. Fresh Produce Market
6. Institutions
7. Public
- Other (specify)-----

65 Do you have any land in this Farm that you did not plough/plant during this agricultural season?

Yes=1
No= 2 ⇒ Q67

66 What is the total fallow area this season in hectares ?

Hectares

Section VI: AGRICULTURAL EQUIPMENT AND IMPLEMENTS

67 How many of the following do you own and either in good working condition or temporarily not working?
(Read out the list and put in the number inside the box)

	Total Number	Good Condition	Temporarily out of order
1. Harrow			
2. Single Plough			
3. Double Plough			
4. Single Planter			
5. Double Planter			
6. Cultivator			
7. Mower			
8. Hoe			
9. Rake			
10. Wheel Barrow			
11. Thresher			
12. Tractor			
13. Truck			
14. Trailer			
15. Cart			
16. Sledge			

	Total Number	Good condition	Temporarily out of order
17. Spray race			
18. Spray pump			
19. Dip-tank			
20. Maize grinder			
21. Maize Sheller			
22. Bailer			
23. Forage harvester			
24. Axe			
25. Spade			
26. Shovel			
27. Bospik			
28. 3-Narrow disc			
29			
30			
31			
32			

Section VII: AGRICULTURAL LABOUR AND FARM CREDIT

68 a. Are you aware of any Credit Institution(s)

Yes=1 ⇒ Q68b
No =2 ⇒ Q70

b. Did you apply for any Credit during this agricultural season?

Yes=1 ⇒ Q68c
No= 2 ⇒ Q70

c. To which credit Institution did you apply during this agricultural season?

1. NDB	2. Commercial Banks	3. Other (Specify)

d. Did you receive any Credit during this agricultural season?

Yes=1 ⇒ Q68e
No= 2 ⇒ Q70

e. Which credit institution helped you during this agricultural season?

1. NDB	2. Commercial Banks	3. Other (Specify)

Amount

f. How much was the credit during this Agricultural Season?

P

69 What was this Credit used for?

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

70 Did you employ any agricultural workers during this agricultural season ?

Yes=1 ⇒ Q71

No= 2 ⇒ Q72

NOTE: COMPLETE THE TABLE ON THE NEXT PAGE IF CODE IS 1 (YES)

Question 71 PERSONS CURRENTLY EMPLOYED IN THIS HOLDING

1	2	3	4	5	6	7	8	9	10	11	12	13	14
W O R K E R N U M B E R	Please Give names of all who are currently employed in this holding	1. M 2. F	How Old is.....? (Age In Completed Years)	What is the country of... 's citizenship? 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 Other - (Specify)	What is.....'s Marital status 1. Never married 2. Married 3. Living Together 4. Separated 5. Divorced 6. Widowed	What is the level/Grade has..... completed? (Use Education Codes given below) 03 Never attended School	How did..... Get the Skills He/She has now 1. Self taught 2. Apprenticeship 3. On the Job 4. Technical/ Vocational Institution Other (Specify)	What is...working as? 1. Employee-paid cash inkind 2. Employee-paid inkind 3. Self employed-no employees 4. Self employed-with employees 5. Employee-paid both inkind & cash 6. Unpaid family helper 7. Worked in own lands/ cattlepost (unpaid)	Is... employed on fulltime or temporary basis 1. Temporary* 2. Full time (Note: * include also casual labourers)	What type of work does.... do? (use at least two words to describe his/her work probe as necessary)	How often is...paid? 1. Daily 2. Weekly 3. Fortnightly 4. Monthly 5. Every six months 6. Yearly 7. Other (Specify)	How Much Cash To The Nearest Pula?	How Much is the Cash Equivalent of the In kind 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: COLOUMN 7 — HIGHEST LEVEL OF EDUCATION COMPLETED:

Primary			Secondary		Non-formal	
10 Std 1 not completed	13 Std 3 completed	16 Stand 6 completed	21 Form 1 completed	25 Form 5 completed	60 Primer 1 not completed	63 Primer 3 completed
11 Std 1 completed	14 Std 4 completed	17 Stand 7 completed	22 Form 2 completed	26 Form 6 completed	61 Primer 1 completed	64 Primer 4 completed
12 Std 2 completed	15 Std 5 completed	Not known	23 Form 3 completed	29 Not known	62 Primer 2 completed	65 Primer 5 completed
			24 Form 4 completed			69 Not known

51b What were these pesticides/chemicals used to control?

(Circle code)

- | | |
|--------------------|---|
| 1. Insects | 1 |
| 2. Parasites | 2 |
| 3. Disease/Fungi | 3 |
| 4. Other (Specify) | 4 |

52a Did you weed your crop fields this agricultural season?

- | | |
|-----------|---|
| Yes, all | 1 |
| Yes, Some | 2 |
| No | 3 |

Q53

52b How many times did you weed your fields?

53 What was the predominant weed? (circle appropriate code)

- | | |
|---|--|
| 1 | Cynodon dactylon (motho, motlhwa) |
| 2 | Datura ferox (mokhure) |
| 3 | Hibiscus meeusei (mmabasete, mmankgarane) |
| 4 | Acospermum hispidum (setlhabakolobe, 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) |