



CONFIDENTIAL

2015 AGRICULTURAL CENSUS QUESTIONNAIRE



All correspondence should be addressed to the Statistician General
Collected under Statistics Act (Cap 17:01)

FORM III: TRADITIONAL FARMERS - SECOND VISIT

Section I: IDENTIFICATION

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

7 Full Name of Holder

8 Sex 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 |

Enumerator'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

LANDS	CROPS	CATTLE	SHEEP	GOATS	DONKEYS	HORSES	PIGS

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 → Q13a**
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 What is the breeding method that you use amongst your cattle?
 1 Artificial insemination
 2 Natural (Bull service)
 3 Both artificial insemination and (natural) bull service

12c Breeding method use: Why do you use this particular method? **office use**

13a Have there been any sales? **Yes = 1**
No = 2 → Q13c

13b Sales: How many Cattle were sold or traded out **during this agricultural season?** *(n 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	Description	Value	Number	Value
1. BMC Direct							
2. BMC Agent							
3. At Auction							
4. Government Restocking							
5. Another farmer							
6. Trader							
7. Butcher							
8. Feedlot							
Other (specify)							

13c Are you aware of the BMC quota system of buying cattle? **Yes= 1**
No= 2 → Q14a

13d Are you satisfied with the BMC quota system of buying cattle? **Yes = 1**
No = 2
Never used = 3

CALVES ONLY

14a How many Calves were born **during this agricultural season through;** *(Include those lost, dead, sold, etc)*

a. Artificial insemination b. Natural (Bull service)

14b How many Calves died during this agricultural season ?

14c Causes of deaths? *(Insert numbers 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? *(Insert numbers 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

CATTLE AND CALVES

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 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	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 (Tihako le Molomo)	5
6. Lumpy Skin disease (Nkokomane)	6
7. Ticks and Worms (dikgofa & Dibokwana)	7
8. Pasteurellosis - madi	8
9. Heart water (metse a pelo)	9
10. Other (specify) _____	

21c Were any feeds used on your cattle during this Agricultural season?

Yes=1
No= 2 → Q 22a

21d What are types of feeds that you use among your cattle?

Feeds	Codes
1 Lucerne	1
2 Nitrogen/Protein feeds	2
3 Drought Pallets	3
4 Moroko	4
5 Salt	5
6 Dicalcium Phosphate	6
7 Lablab	7
8 Molasses (Powder)	8
9 Molasses (Liquid)	9
10 Molasses (Meal)	10
11 Stover (Lotlhaka)	11
12 Grasses (Fodder)	12
13 Maize Grains (Baley)	13
14 Mineral Block (e.g Rumevite)	14
15 Hay	15
16 Feed Grade Urea	16
17 Other (Specify)	

Part B : GOATS

22a Does this holding own, raise, operate or manage any Goats? (Include Mafisa Goats in your Kraal)

Yes=1 → Q23
No=2 → Q22b

22b Has this Holding ever had any Goats during this agricultural season?

Yes=1 → Q24
No=2 → Q43a

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 1 Year & Over	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?

(Insert numbers 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?

(Insert numbers 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

Sales/Traded	Number	Value (Pula)	Description of goods received	Bucks	
				Number	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

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

33a Were any chemicals/drugs/vaccines used on your Goats during this agricultural season?

Yes=1
No= 2 → Q 33c

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

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

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

Yes=1
No= 2 → Q43a

33d What are types of feeds that you use among your Goats?

Feeds	Codes
1. Ram, Lamb & Ewe Paletts	1
2. Moroko	2
3. Salt	3
4. Dicalcium Phosphate	4
5. Mineral Block (e.g Rumevite)	5
6. Molasses (Powder)	6
7. Molasses (Liquid)	7
8. Molasses (Meal)	8
9. Other (Specify)	

Part C : SHEEP

34a Does this holding own, raise, operate or manage any Sheep? *(Include Mafisa Sheep in your Kraal)* Yes=1 → Q35
No=2 → Q34b

34b Has this Holding ever had any sheep during this agricultural season? Yes=1 → Q35
No=2 → Q34b

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? *(Insert numbers where applicable)*

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

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? *(Insert numbers where applicable)*

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

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 received	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. *(Circle appropriate codes)*

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

45c Were any feeds used on your Sheep during this agricultural season? Yes=1
No= 2 → Q46

45d What are types of feeds that you use among your Sheep?

Feeds	Codes
1. Ram, Lamb & Ewe Paletts	1
2. Moroko	2
3. Salt	3
4. Dicalcium Phosphate	4
5. Mineral Block (e.g Rumevite)	5
6. Molasses (Powder)	6
7. Molasses (Liquid)	7
8. Molasses (Meal)	8
9. Other (Specify)	

Part D : OTHER LIVESTOCK

46 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?

Current Number	S A L E S		TRADED OUT		
	Number	Value(Pula)	Number	Description of goods received	Value (Pula)

- 1.*Pigs
- 2. Donkeys
- 3. Mules
- 4. Horses
- 5. Dogs
- 6.*Chickens
- 8. Other

Note * Refers to subsistence livestock only

47a Were any chemicals/drugs/vaccines used on your livestock during this agricultural season?

Yes=1
No=2 → Q48a

47b Name the diseases or parasites that chemicals/drugs/vaccines were used to control.

SECTION III CROP PRODUCTION

Part A : CROPS AND FALLOW FIELDS CHANGES

48a Did this holding plant/plough any crops during this agricultural season?

Yes=1
No=2 → Q57

48b During our first visit, it was reported that this holding had the following crops and fallow fields. (Read out the list). Have there been any changes to this list?

Yes=1
No=2 → Q49

(Update the list if any changes, take field measurements and record the data on the page at the back of the questionnaire)

Field Number (include fallow)	List all Crops in each Field	Crop Variety e.g. Segaolane Sebethane	Seed Quantity Planted				(Office Use)		
			Description of seed container	Units Kg = 1 Lt = 2	Size of Seed Container	Number of Units Used	Quantity Used (Number)	Convert gty if not in Kg	Crop Code

Part B : FARMING PRACTICE

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

Yes=1
No=2 → Q51a

50a What type of fertilisers did you use? (circle appropriate code)

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

50b What was the overall quantity used?

Kg Litres

51a Were chemicals used on your crop fields during this agricultural season?

Yes=1
No=2 → Q52a

51b What were these chemicals used to control?

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

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

- Yes, All **1**
- Yes, Some **2**
- No **3**

52b How many times did you weed your fields?

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

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

54 a Now ask the Holder about the harvested crops

Harvesting Codes	Field Number			Field Number			Field Number			Field Number			Field Number		
	Field Number	Crop:	Area	Field Number	Crop:	Area	Field Number	Crop:	Area	Field Number	Crop:	Area	Field Number	Crop:	Area
Has been Harvested = 1															
Will be Harvested = 2															
Will not be Harvested = 3															
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)															
Number of Units															
Amount Expected (Pula)															
Office Use (Qty. Kg)															
Area Harvested (off. use)															

NOTE: (1) If there are crops sold or expected further sales indicated, i.e. Question 54h and 54i have entries, ask Q54b and (2) If there is harvesting status code of three (3) in Question 54a, ask Question 55. Otherwise if none of the above is indicated as stated, go to Section IV.

54b Where did you sell most of your crop produce? (circle appropriate codes)

- 1. BAMB directly 1
- 2. BAMB agent 2
- 3. Cooperative 3
- 4. Private trader 4
- 5. Public directly 5
- 6. Millers 6
- 7. Seed Multiplication unit 7
- 8. Letlhafula initiative 8
- 9. Other (specify)

55 What are the main reasons for not harvesting the crops mentioned earlier in Question 54a? (circle appropriate codes)

- 1. Lack of rain 1
- 2. Livestock destroyed crops 2
- 3. Diseases destroyed crops 3
- 4. Pests attacked crops 4
- 5. Underground fire 5
- 6. Floods destroyed crops 6
- 7. Weeds destroyed crops 7
- 8. Frost destroyed crops 8
- 9. Wildlife destroyed crops 9
- 10. Quelia bird destroyed crops 10
- 11. Locust destroyed crops 11
- 12. Other (specify)

56 Do you produce Hay/Silage from you crop residues/remains? (circle code) Hay = 1 Salage = 2 Both = 3 No = 4

SECTION IV : WATER SUPPLY, FARM EQUIPMENT AND MACHINERY INVENTORY

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

	1. Borehole	2. Well (Petse)	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?

	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
- 5. Wind

SECTION V : CLIMATE/WEATHER

58a Do you have access to weather forecast information? Yes = 1 No = 2 → Q59a

58b Do you use this information? Yes = 1 No = 2

59a Are you aware of the climate change? Yes = 1 No = 2 → Q60a

- 59b What climate change have you noticed over years?
- 1. Shift in seasons 1
 - 2. Out break of diseases/pests 2
 - 3. Heavy falls/floods 3
 - 4. Severe drought 4
 - 5. None 5
 - 6. Other (specify)

SECTION VI : FARM ENTERPRISE

60a What are the sources of income for this Holding (Circle Appropriate codes)?

- 1. Sale of Crop produce
- 2. Sale of Livestock
- 3. Income from paid Employment
- 4. Sale of other produce
- 5. Income from a business other than farming
- 6. Remittances
- 7. Pension
- Other (specify) _____

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

61a What are the sources of food for this Holding (Circle Appropriate codes)?

- 1. Own farm production 1
- 2. Purchased food 2
- 3. Government rations 3
- 4. Supplies from relatives /friends 4
- 5. Other (specify) _____

61b Of the ones indicated above , which do you regard as the main source?

62a Which of the following Farming Programmes are you aware of ? (Circle codes)

- 1. ISPAAD 1
- 2. NAMPAADD 2
- 3. LIMID 3
- 4. Other (specify) _____
- 5. None → Q63 5

62b Which of the following Farming Programmes have you benefited from? (Circle codes)

- 1. ISPAAD 1
- 2. NAMPAADD 2
- 3. LIMID 3
- 4. Other (specify) _____
- 5. None → Q63 5

62c What was/were the package(s) obtained?

- 1. Cluster Fencing (ISPAAD)
- 2. Provision of portable Water (ISPAAD)
- 3. Ploughing & Planting services (ISPAAD)
- 4. Fertilizer (ISPAAD)
- 5. Seeds (ISPAAD)
- 6. Kraals, Crushes & Loading ramps (LIMID)
- 7. Small Stock (LIMID)
- 8. NAMPAADD Technologies (NAMPAADD)
- 9. Water reticulation (LIMID)
- 10. Borehole drilling & equipping (LIMID)
- Other (specify) _____

Part C: FARM LABOUR

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

- Circle
- Yes=1 → Q64
- No=2 → END INTERVIEW

Question 64 PERSONS CURRENTLY EMPLOYED IN THIS HOLDING												
NAME	SEX	AGE	CITIZENSHIP	MARITAL STATUS	HIGHEST LEVEL	SKILLS ACQUIRED	EMPLOYEE STATUS	EMPLOYMENT STATUS	OCCUPATION	PAY-PERIOD	AMOUNT	CASH EQUIVALENT
2	3	4	5	6	7	8	9	10	11	12	13	14
W O R K E R U M B E R	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 Together 3. Living Separated 4. Divorced 5. Widowed 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 inkind 2. Employee-paid both inkind & cash	Is..... employed on fulltime or temporary basis? 1. Temporary * 2. Fully 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 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 not completed	13 Std 3 completed	21 Form 1 completed	25 Form 5 completed	60 Primer 1 not completed	
11 Std 1 completed	14 Std 4 completed	22 Form 2 completed	26 Form 6 completed	61 Primer 1 completed	
12 Std 2 completed	15 Std 5 completed	23 Form 3 completed	29 Not known	62 Primer 2 completed	
		24 Form 4 completed		63 Primer 3 completed	
				64 Primer 4 completed	
				65 Primer 5 completed	
				69 Not known	

Land Measurement for Form III

Sketch Map of Field

Field No:

Planted (1) / Fallow (2)

Area Measurements (Compass and Chain)

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

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

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

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

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

66 Total Number of Fields

1. Crop Fields:

2. Fallow Fields