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

# FORM IV: COMMERCIAL FARMS AND RANCHES

A					
Section I: IDENTIFICATION					
			e Use Only		
		1. Administrat	ive District:		
		2. Census Dist			
		3. Block Numb	per		
		4. Questionna	ire Number		
		Enumerator's	name:		
		Date complet	ed:		
5. If the above Name is incorre					
Owner, please write the corre box. (Unless otherwise stated,					
•	•				
6. What is the Farm Number?					
7. If this Farm is also known by	another Name, please ir	ndicate:			
,	, μ				
8. In which Block is this Farm Ic	ocated? (Circle appropri	iate code)			
1. Tuli Block	7. Lobatse Freehold		13. Haina Veld TGLP		
2. Tati Block	8. Sand Veld TGLP		<b>14.</b> Nata TGLP		
3. Gantsi Freehold	9. Ngwaketse TGLP	•	<b>15.</b> Lepasha TGLP		
<b>4.</b> Molopo Freehold	<b>10.</b> Kgalagadi TGLP		<b>16.</b> Barolong Farms		
<b>5.</b> Gaborone Freehold	11. Kweneng TGLP		1 <b>7.</b> Letlhakane 4B		
6. Pandamatenga	<b>12.</b> Gantsi TGLP		<b>18.</b> Kaka		
· ·			Other (specify)		_
<b>9a</b> Ownership Status	1. Owner	2. Leasee			
<b>9b</b> Name of Owner/leasee					
<b>9c</b> Sex <b>1.</b> Mc	ale	<b>2.</b> Female		3. Organisation	
(If not individually owned/leas				G	
9d Indicate the type of Organ	isation or Management	of this Farm: (enter app	ropriate code)		
1. Individual Ownership	1	5. Public Limit	ed Company 5		
2. Partnership	2	6. TGLP Syndi	cate 6		
3. Co-operative	3	7. Governmer	nt <b>7</b>		
4. Private Limited Company	4	8. Other (spe	ecify)		
10 What is the total area for t	his particular Farm?		Hectares		
11 Is the farm fenced?	1. '	Yes	2. No		

13. Please give Farm Names, Locations and Total Area for each Farm specified.

	Name Postal Address Area Unit of measurement							
_	Traine	103141 71441033	7.1.00					
I								
2								
3								
4								
5								
6								
7								
8								
9								
10								

<sup>\*</sup> 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 Beef only Both None	Q17a 2 Q16a 3 Q15
15 Did this Farm have any Cattle during this	agricultural season?	Yes= 1 No= 2	Q19b 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. Simmental									
2. Charolais									
3. Brown Swiss									
4. Tuli									
5. Bonsmara									
6. Brahman									
7. Sussex									
8. Afrikaner									
9. Santa Gertrudis									
10. Beef Master									
11. Crosses									
12. Musi									
13. Tswana									
14. Other (specify)									
TOTAL									

16b Were any feeds used on your Beef cattle during this agricultural season?

16c What are sources of feeds?

Yes=1 No=2 — Q16e

Imported
 Retailers
 Agric. Veterenary
 BAMB
 (Circle appropriate codes)
 (Circle appropriate codes)
 4

5. Agric. chemistry6. Agric. Trades7. Other (specify)

**16d** What are types, quantity and cost of feeds that you use among your Beef cattle?

Feeds & suppliments	Codes	Quantity (Kg, Lt)	Cost
1 Lucerne	1		P
2 Nitrogen/Protein feeds	2		P
3 Drought Pallets	3		P
<b>4</b> Lablab	4		P
5 Molasses (powder)	5		P
6 Molasses (liquid)	6		P
7 Molasses (meal)	7		P
8 Dicalcium phosphate	8		P
9 Salt	9		P
10 Bran (Moroko)	10		P
11 Stover (Lotlhaka)	11		P
12 Grasses (Fordder)	12		P
13 Maize Grains (Baley)	13		P
14 Mineral Block (eg Rumevite)	14		P
<b>15</b> Hay	15		P
16 Feed Grade Urea	16		P
17 Other (Specify)			Р

# ( Circle appropriate codes)

**16e** What are the Grazing System/Methods you use among your Beef cattle?

1. Zero grazing/intensive

2. Semi-extensive

**3.** Extensive Other (specify)

16f Were any chemicals/ drugs/vaccines used on your Beef Cattle during this agricultural season?

(Note: If Question 14 is 3 and Question 16f is 2, then go to Question 17a

Otherwise go to Question 19a)

Yes=1 Q16g No=2 Q17a

16g 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 (Tlhako le Molomo)	5
6. Lumpy Skin disease (Nkokomane)	6
7 Other (specify)	

#### B. DAIRY CATTLE ONLY

17a How many of the following dairy animals do you have for each breed on this Farm?

			С	ows						
Breed	Bulls	Oxen	Milking	Dry	Heifers	Tollies	Bullocks	Female Calves	Male Calves	Total
1. Dairy Simmental										
2. Brown Swiss										
3. Jersey										
4. Holstein Friesian										
5. Dairy Swiss										
6. Dairy crosses										
Other (Specify)										
TOTAL										

17b Breeeding Stock: He	OW Many Ware	hought an	d what were	the costs	during this	: aaricultural	caccon

Number	Cost

No

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

	162
TB	
Brucellosis	

1. Locally 2. Imported 3. Other

#### **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?

**18d** To whom is the raw milk sold?

1. Processing plant

3. Consumer-Individual

2. Consumer - Contract

4. Own farm use

price

**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?

## (tick appropriate box)

	(non appropri	(non appropriate box)			
Product	Yes	No			
1. Pasturised milk					
2. Sour milk					
3. Yoghurt					
4. Cheese					
Other (specify)					

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 condtion		
	Working	Out of order	Total
Milk cooling tank			
Milking machine (with its accessaries)			
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)

7. Other (specify)

1. Market problems	1
2. Veterinary support services	2
3. Lack of feeds	3
4. High cost of inputs	4
5. Inadequate breeding stock	5

6. Other (specify)

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?

1. Imported	1	(Circle appropriate codes)
2. Retailers	2	
3. Agric. Veterenary	3	
<b>4.</b> BAMB	4	
5. Agric. chemistry	5	
<b>6.</b> Agric. Trades	6	

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

Feeds & supplimentary feeds	Codes	Quantity (Kg, Lt)	Cost
1 Dairy meal	1		P
2 Lucerne	2		P
<b>3</b> Blue Buffalo grass	3		P
<b>4</b> Sunflower cake	4		P
<b>5</b> Cotton seed cake	5		P
6 Maize stover	6		P
7 Molasses (powder)	7		P
8 Molasses (liquid)	8		P
9 Molasses (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 Winter lik	15		P
16 Other (Specify)			P

18m What are the Grazing System/Methods you use among your dairy cattle?

### (Circle appropriate codes)

<ol> <li>Zero grazing/intensive</li> </ol>	1
2. Semi-extensive	2
3. Extensive	3
4.00	

4. Other (specify)

**18n** Were any chemicals/ drugs/vaccines used on your Dairy Cattle **during this agricultural season?** 

Yes=1 — Q180 No=2 — Q19a

180 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)	
6. Lumpy Skin disease (Nkokomane)	6
7. Other (specify)	

C: BEEF AND/OR DAIRY

 $\textbf{19a Breeeding Method:} \ \textbf{What is the breeding method used amongst your Cattle?}$ 

#### (Tick where appropriate)

(nex mere appropriate)				
Methods	Dairy	Beef		
1. Artificial insermination				
2. Natural (Bull service)				
3. Both				

## CALVES ONLY

19b Births: How many Calves were born during this agricultural season through each method? include those dead, lost, sold etc

	Numbe	Number of calves		
Method of Breeding	Beef	Dairy		
1. Artificial insermination				
2. Natural (Bull service)				

9c Deaths: How many Calves died during this agricultural season?	(Number)
	1. Beef
	2. Dairy

19d Causes of deaths?				(Insert numbers where applicable)			
	1.Diseases	2. Parasites	3. Accidents	4. Predators	5. Drought	6. Other	

			(Number)
•	<b>20a Loss:</b> How many Calves were lost due to strays and theft <b>during this agricultural</b>	1. Beef	
season?		2. Dairy	
			(Number)
20b How many Calves were eradicated due to cattle disease outbreaks during this		1. Beef	
agricultural season?		2. Dairy	
	CATTLEEXCLUDING CALVES		

		(Number)
21a Deaths: How many Cattle, excluding Calves, died during this agricultural season?	1. Beef	
	2. Dairy	

21b Causes of deaths?

agricultural season?

	(Insert numbers where applicable)						
1.Diseases	2. Parasites	3. Accidents	4. Predators	5. Drought	6. Other		

		(Number)
22 Lost: How many Cattle excluding calves were lost due to strays and theft during	1. Beef	
this agricultural season?	2. Dairy	
		(Number)

		(,
23a Consumption: How many Cattle were slaughtered for home consumption during this agricultural season?	1. Beef	
	2. Dairy	
		(Number)
	1. Beef	
23b How many cattle were eradicated due to cattle disease outbreaks during this	2. Dairv	

<b>24 Given away:</b> How ma during this agricultural se		ere given aw	ay (including	g Bogadi/Lo		<ol> <li>Beef</li> <li>Dairy</li> </ol>	(Number)		
<b>25a Sales</b> : How many C	attle were so	old or traded	out during th	nis agricultu	ral season?				
		Traded Ou	t			Bulls			
Sold To	Number	Value	Number	Value	Description		Number	Value	
1. BMC Direct									
2. BMC Agent									
B. At Auction									
1. Another Farmer									
5. Trader									
6. Butcher									
7. Feedlot									-
Other (specify)									
?5c Are you satisfied with	n the BMC q	uota system	of buying ca	ttle?			Yes = 1 No = 2		
					ıral season?			ed = 3	
					ıral season?		No = 2 Never use	ed = 3	]
<b>26 Purchases</b> : Number o			ined during t	his agricultu	iral season? tion of goods (	given out	No = 2 Never use		
26 Purchases: Number o Purchased/Obtained		chased/obta	ined during t	his agricultu		given out	No = 2 Never use	Jlls	
25c Are you satisfied with 26 Purchases: Number of Purchased/Obtained 1. Beef	f Cattle purc	Numbe	ined during t	his agricultu		given out	No = 2 Never use	Jlls	
26 Purchases: Number o Purchased/Obtained  1. Beef	f Cattle purc	Numbe	ined during t	his agricultu		given out	No = 2 Never use	Jlls	
26 Purchases: Number o Purchased/Obtained 1. Beef	1. Purchase 2. Obtaine	Numbe ed ed ed	ined during t	his agricultu		given out	No = 2 Never use	Jlls	
26 Purchases: Number of Purchased/Obtained  1. Beef  2. Dairy  SECTION II: SMALLS	1. Purchase 2. Obtaine 1. Purchase 2. Obtaine TOCK: GO	Numbe ed ded	ined during t	his agricultu		given out	No = 2 Never use	Value	
26 Purchases: Number of Purchased/Obtained  1. Beef  2. Dairy  SECTION II: SMALLS	1. Purchase 2. Obtaine 1. Purchase 2. Obtaine TOCK: GO	Numbe ed ded	ined during t	his agricultu		given out	No = 2 Never use	Value  Value	
26 Purchases: Number o Purchased/Obtained  1. Beef  2. Dairy	1. Purchase 2. Obtaine 1. Purchase 2. Obtaine TOCK: Go	Numbe ed ed ed od DATS	r Value	his agricultu  Descrip		given out	No = 2 Never use  Bu Number	Value  Q28 Q27b  Q29	
26 Purchases: Number of Purchased/Obtained  1. Beef  2. Dairy  SECTION II: SMALLS  27a Does this farm have	1. Purchase 2. Obtaine 1. Purchase 2. Obtaine TOCK: GO any Goats?	Number ed led led led led led led led led led	r Value	Descrip		given out	No = 2 Never use  Bu Number  Yes=1 No=2 Yes=1	Value  Q28 Q27b  Q29	

irths: How n	nany Kids	were born <b>c</b>	luuin a Abin arauin	ultural season?				
ouc mose u	ead, lost,		ioning mis agric	onoral season:				
eaths: Ho	w many K	ids died dur	ing this agricult	rural season?				
auses of	doathr2							
JUSES OF	ueumse			(Insert num	nbers where app	licable)		
ases	2. Parasi	tes 3. A	ccidents	4. Predators	5.Drought	6.Other		
: How mo	any Kids w	vere lost due	e to strays and t	theft during this c	agricultural seasc	on?		
				GOATS - EXCLUI	DING KIDS			
aths: Ho	w many G	Goats, exclud	ding Kids, died	during this agric	ultural season?			
_								
auses of	deaths?			(Insert nu	ımbers where ap	plicable)		
ises	2. Parasi	les	3. Accidents	4. Predators	5. Drought	6. Other		
le those	slaughtei	ed for wedd	lings, death ce		ion during this ag			
ven away:	How mai	ny Goats we	ere given away		all other ceremon			
ven away:	How mai	ny Goats we	ere given away	eremonies and c	all other ceremon			
en away: es: How n	How mai	ny Goats we	or traded during	eremonies and of during this agriculture of goods receive	cultural season? cal season?	Bucks		
en away: es: How n	How mai	ny Goats we	ere given away or traded <b>duri</b> i	eremonies and of during this agriculture of goods receive	all other ceremon cultural season? al season?	nies	Value	
es: How n	How mai	ny Goats we	or traded during	eremonies and of during this agriculture of goods receive	cultural season? cal season?	Bucks		
iven away: ales: How n s/Traded les aded	How man	ny Goats we ats were sold	or traded during	eremonies and a during this agricultur of goods receive cable	cultural season?  al season?  d (Office Use)	Bucks Number ason?		
ven away: ves: How n  /Traded ves ded  rchased:H	How many  Mumber  ow many	ny Goats we ats were sold	Description o where applic	eremonies and of during this agric ng this agricultur of goods receive cable	cultural season?  al season?  d (Office Use)	Bucks Number	Value	Value
raded hased:H	How many  Mumber  ow many	value goats were	Description o where applic	during this agricultur of goods received cable  trained during the	cultural season?  al season?  d (Office Use)	Bucks Number ason? (Office	Value	Value
iven away: iles: How n is/Traded les ided irchased:H inased/Obt irchased itained	Number ow many	Value  goats were  Number	Description of where application purchased/ob	eremonies and of during this agricultur of goods received table of during the during the description of gowhere applicable of a policia of goods received the during	cultural season?  al season?  d (Office Use)	Bucks Number ason? (Office Use)	Value	Q38b
ven away: ves: How n  /Traded es ded  rchased:H  chased rained  /ere any v	Number  ow many  ained  of vaccines/or	Value  Value  goats were  Number  drugs/chem  es/drugs/ch	Description of where application by the purchased of the	eremonies and of during this agricultur of goods received table of during the during the description of gowhere applicable of a policia of goods received the during	cultural season? cal season? cal season? cal season? cal (Office Use) is agricultural seasons received e	Bucks Number ason? (Office Use)	Value  Bucks  Number  Yes=1	Q38b
es: How n  Traded es ded  chased:H  chased ained dere any v  that type names of	Number  ow many  ained  of vaccines	Value  Value  goats were  Number  drugs/chem es/drugs/chem	Description of where application by the series of the seri	eremonies and of during this agricultur of goods received table of during the during the description of gowhere applicable of a policia of goods received the during	cultural season?  cal season?  cal season?  cal (Office Use)  is agricultural season  control of the control of	Bucks Number ason? (Office Use)	Value  Bucks  Number  Yes=1  No=2	Q38b Q38d

1. Tswana
2. Boer goat
3. Crosses
4. Kalahari red
5. Savanah
6. Sanaan
Other (specify)

**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)	

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

Yes=1 — Q38e 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. Dicalcium Phosphate	4		P
5. Mineral Block (eg Rumevite)	5		P
6. Molasses (Powder)	6		P
7. Molasses (Liquid)	7		P
8. Molasses (Meal)	8		P
9. Other (Specify)			P

SECTION II: SMALLSTOCK: SHEEP	
<b>39a</b> Does this Farm have any Sheep?	Yes=1 Q40 No= 2 Q39b
<b>39b</b> 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	Uncastracted Males	Castrated Males	Female Sheep	Male Lambs	Female Lambs	Totals
1. Dorper						
2. Karakul						
3. Tswana						
Other (specify)						
Total						

_					
- 1	Α	A A	DC	$\circ$	ĸП

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

<b>12a Deaths:</b> How many	Lambs died	during this c	gricultural season?				
<b>26</b> Causes of deaths?				//		ara whara ammi	a arbia)
2b Causes of deaths?  .Diseases	2. Parasite	•	3. Accidents	4. Predate		ers where appli	6. Other
Diseases	2. ruiusiie	<b>3</b>	3. Accidents	4. riedak	)is	3. Diougin	o. Office
3 Lost: How many Lam	bs were lost	due to stray	s and theft <b>during this ag</b>	ricultural sea	son?		
Am Domithou House manner	العدية عداعا	ralina ar I. armada i	SHEEP - EXCLUDING L				
a Deaths: How many	sneep, excil	Jaing Lamb	s, died during this agricul	turai season e			
<b>1b</b> Causes of deaths?				(Inse	rt numbers	where applicab	ole)
Diseases	2. Parasite	s	3. Accidents	4. Predate		5. Drought	6. Other
			'			·	
Lost: How many She	ep(excluding	Lambs) we	re lost due to strays <b>durin</b>	g this agricul	tural seasor	1?	
			tered for consumption <b>d</b>	uring this agri	cultural sec	ison?	
nclude those slaughte	red for wedd	ings, death	ceremonies etc				
<b>7 Given away:</b> How m	any Sheep w	ere given a	way during this agricultu	ral season?			
						_	
<b>Sales:</b> How many Sh	eep were sol	d or traded	during this agricultural se	ason?			
						_	
				R	ams		
ales/Traded	Number	Value	Discription of goods	Number	Value		
Sales							
Traded							
<b>Purchased:</b> Purchase	ed/obtained	during this c	agricultural season?	_			
	1				ams	_	
urchased/Obtained	Number	Value	Discription of goods	Number	Value	_	
Purchased						_	
Obtained							
N W/	/ -l / - l						
d were any vaccines	s/arugs/cnerr	ilcais usea (	on your Sheep <b>during this</b>	agricultural	season?	V1	
						Yes=1	
						No =2	Q50d
Ob What type of vacc (write names of vacci							
				4			
2				5			
_				6			
_				6			
3				6			
3	or parasites tl	hat chemic	als were used to control.	6			
3 Oc Name the disease 1. Heln	or parasites tl	nat chemico		6			ppropriate code
3 Oc Name the disease 1. Heln 2. Past	or parasites th ninthiosis/coc eurellosis - ma	hat chemico cidiosis (Inte	als were used to control.	6			ppropriate code 1
3 —— Oc Name the disease 1. Helm 2. Past	or parasites tl ninthiosis/coc eurellosis - ma Mokgomana	nat chemic cidiosis (Inte adi	als were used to control.	6			opropriate code 1 2
3 Oc Name the disease 1. Helm 2. Past 3. Orf - 4. Hear	or parasites the ninthiosis/coc eurellosis - ma Mokgomana t water - Met	nat chemico cidiosis (Inte adi a isi a pelo	als were used to control.	6			opropriate code 1 2 3 4
3 — 3 — 1. Helm 2. Paste 3. Orf - 4. Hear 5. Foot	or parasites the sinthiosis/coceurellosis - ma Mokgomana t water - Met	nat chemico cidiosis (Inte adi a isi a pelo ana	als were used to control.	6			opropriate code: 1 2 3

**50d** Were any Feeds used on your Sheep **during this agricultural season?** 

Yes= 1	$\rightarrow$	Q50e
No=2	$\rightarrow$	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. Dicalcium phosphate	4		P
5. Mineral Block (eg Rumevite)	5		P
6. Molasses (Powder)	6		P
7. Molasses (Liquid)	7		P
8. Molasses (Meal)	8		P
9. Other (Specify)			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

	Current	SALES		TRADED	OUT	(Office Use)
ANIMAL	Number	Number	Value	Number	Description of traded Goods	Value
1. Pigs						
2. Donkeys						
3. Mules						
4. Horses						
5. Dogs						
6. Chickens						
7. Ostriches						
8. Other Birds						
9. Other Animals						

<b>52a</b> Were a	ny vaccines/drugs/ch	emicals used on yo	our livestock <b>during</b>	this agricultural season?	Yes =1 No=2
	rpe of vaccines/drugs/ns of vaccines/drugs/n	nedicines below)	ı useş	4	
	2			<b>5</b>	

	1	4
	2 ————	5
	3	6
SECTION III:	A. CROP PRODUCTION (Cereal Crops, Fruits, & Vegetables)	
,	any member of this holding plant/grow any field crops, Fruits and Vege	etables in Yes=1
this Farm? <b>duri</b>	ng this agricultural season?	No=2 Q61
<b>53b</b> Are there of	any crops under irrigation during this agricultural season?	Yes=1 No=2
<b>53c</b> Is your irrigo	ation source of water metered?	Yes=1 No=2

**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

<b>55</b> Who owns the water source?	Circle
Self	1
Family	2
Syndicate	3
Community	4
Government	5
None	6

	E . B	DD 4 OTLOT 1105	. O F FEDTU IOFD
SECTION IV:	FARMING	PRACTICE USE	- ()F FFRIII ISFR

<b>a</b> Were any fertilisers used o	n any of your crop fields?	Yes=1		
		No= 2	$\rightarrow$	Q57a

56b What kind of fertilisers did you use?

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

57a Were any chemicals used on your crop fields?	Yes=1 No= 2  Q58	
56c What was the overall quantity used?	Kg	Lt

**57b** What kind of chemicals did you use? (Circle appropriate codes)

1. Parathion	5. DDT
2. Malathon	6. Aldrin
3. Carbaryl	7. Cypermethrin
4. Alphamethrin	Other (specify)

## SECTION V: DISPOSAL OF YOUR CROP PRODUCTION

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

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

3	Crop Area	Crop Area Planted and Harvested	Harveste	ס	Total Produ	Total Production for the S	Season	Disposal o	of your Produ	Disposal of your Production for the season	eason					
Form IV: C	Total Area in Hectares (Including Irrigated)	in Irrigated)	Irrigated	Irrigated Area only	Total Production (including irrigated)	luction irrigated)		à ca E	Average	Total Receipts from Sales Already	Number of Ilnife	Expected Total Receipts	Units given	Units for Payment	1 1 1 1	Crop Code
	Planted	Harvested	Planted	Harvested	Number of Units	Weight kg per unit	Number of Units	of Units Sold	Unit Sold (Pula)	Made (Pula)	Expect to Sell	column 12 ( Pula) *	Consumption	in Kind **	of units Stored	Use Only
A. GRAINS	2	3	4	5	9	7	æ	6	10	11	12	13	14	15	16	17
1. Sorghum																
2. Maize																
3. Pearl millet																
4. Finger millet																
5. Wheat																
201																
B. CASH CROPS																
1. Cow peas																
2. Common beans																
3. Tepary beans																
4. Mum beans																
5. Jugo beans																
6. Sunflower																
7. Groundnuts																
8. Cotton																
9. Chillies																
<b>10.</b> Okra																
11. Baby Marrow																
12. Egg Plant																
13. Sweet reed																
14. Sugar cane																
15. Olive																

Please include any crops you have that are not listed.
In columns 6, 7.8, 9, 10, 12, 14, 15, by UNIT we mean a bag, box, bunddle, etc. Specify average weight per unit in column 7.
Columns 9, 10 & 11 deal with sales you have already made, while column 12 deals with sales you still expect to make from the ha current year)
\* Column 13 requires the expected total receipts from the remaining units still to be sold.
\*\* 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	Crop Area Planted and Harvested	Harvested		<b>Total Produc</b>	Total Production for the Season	nost	Dispo	sal of your	Disposal of your Production for the Season	or the Seaso	ř				
Particular   Hanvested   Han		Total Area (Including	In Hectares Irrigates)	Irrigated		Total Prod (including irr	luction igated)	Irrigated Area Only	Number of Units	Average Price per	Total Receipts	Number of Units	Expected Total	Units for Home	Units for Payment	Number of units	Code
Final Line Line Line Line Line Line Line Line		Planted	Harvested	Planted	Harvested		Weight (kg) per Unit	Number of Units	Sold	Unit Sold (Pula)	from Sales Already Made (Pula)	Expect to Sell	Receipts from col- umn 12 ( Pula) *	Consumption **	in Kind **	Stored	Use Only
C. VicEralits         C. VicEralits           1. Politodes         1. Politodes           3. Onloins         4. Cacbage           5. Spinoch         6. Spinoch           6. Spinoch         7. Eeel Foot           8. Rope         9. Kate           9. Kate         1. Outorges           1. Outorges         1. Outorges           2. Karpelliss         2. Karpelliss           3. Hemories         3. Hemory           4. Grobefult         5. Modified           5. Worderneions         7. Morrago           6. Wolderneions         7. Morrago           7. Morrago         8. Peaches           8. Peaches         8. Locates           1. Lucerne         1. Lucerne           2. Lobido         1. Lucerne           2. Lobido         1. Lucerne		2	က	4	25	9	7	80	٥	0	11	12	13	14	15	91	1
1. Percloss         2. Inmoloses         3. Inmoloses         4. Cobboge         5. Spinach         6. Carrots         6. Carrots         7. Cobboge         8. Rape         9. Kale         1. Or Relations         2. Namiges         3. Lemons         4. Gropeffulit         5. Watermelovs         6. Watermelovs         7. Morago         8. Peachles         6. Watermelovs         7. Morago         8. Peachles         1. LeopeR         1. LeopeR         2. Lobids	C. VEGETABLES																
2. Inmotoses       3. Onlonts         3. Onlonts       3. Onlonts         5. Spinctch       6. Spinctch         6. Carctost       6. Spinctch         6. Carctost       7. Seet Root         7. Seet Root       8. Rope         9. Rout       9. Root         1. Changes       9. Rout         2. Noarlies       9. Routles         2. Noarlies       9. Routles         3. Googefuluit       9. Root Benchard         5. Benchard       9. Root Benchard         6. Rooteste       9. Root Benchard         7. Wango       9. Root Benchard         8. Rootestes       9. Root Benchard         9. Looteste       9. Root Benchard         1. Licente       9. Root Benchard <tr< td=""><td>1. Potatoes</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr<>	1. Potatoes																
3. Onloris         4. Cabbage       6. Spinach       7. Geet Root       7. Geet Root </td <td>2. Tomatoes</td> <td></td>	2. Tomatoes																
4. Caboage         5. Spinach         6. Spin	3. Onions																
5. Spinach       6. Carrots         7. Beet Root       7. Beet Root         9. Kape       9. Kape         9. Kape       9. Kape         1. Oranges       1. Oranges         2. Naarijes       1. Carrots         3. Lemons       4. Grapefruit         5. Bananas       3. Watermelons         7. Watermelons       3. Watermelons         8. Peaches       8. Peaches         1. Lucerne       1. Lucerne         2. Lablab       1. Lucerne	4. Cabbage																
6. Carrots         6. Carrots         7. Beet Root         8. Rape         9. Rape	5. Spinach																
8. Rape       9. Kape	6. Carrots																
8. Rape         9. Kale         9. Kale         9. Kale         9. Kale         9. Kale         9. Fault         9	7. Beet Root																
9. Kale         9. Kale         9. Kale         9. Kale         9. Feur         9. Feur <t< td=""><td><b>8.</b> Rape</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	<b>8.</b> Rape																
D. FRUIT       D. FRUIT       Corages	<b>9.</b> Kale																
1. Oranges       1. Oranges <td>D. FRUIT</td> <td></td>	D. FRUIT																
2. Naartijest       3. Lemons       3. Lemons       4. Grapefruit       6. Watermelons       6. Watermelons       6. Watermelons       6. Watermelons       6. Watermelons       7. Mango       8. Peacches       8. Peacches       8. Peacches       8. Peacches       9. Lemons       9. Peacches       9. Lemons       9. Lemons <t< td=""><td>1. Oranges</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	1. Oranges																
3. Lemons       3. Lemons       4. Grapefruit       6. Mango       6. Watermelons       7. Mango       8. Peaches       9. Mango	2. Naartjies																
4. Grapefuilt       5. Bandands       5. Bandands       6. Watermelons       6. Watermelons       7. Mango       8. Peaches       8. Peaches       8. Peaches       8. Peaches       9.	3. Lemons																
5. Bananas       5. Bananas       6. Watermelons       7. Mango       8. Peaches       8. Peaches       8. Peaches       9. Peaches<	4. Grapefruit																
6. Watermelons       6. Watermelons       7. Mango       7. Mango       8. Peaches       8. Peaches       8. Peaches       9. Peache	5. Bananas																
7. Mango       8. Peaches       9. Peaches	6. Watermelons																
8. Peaches       E. FODDER       Control       Control </td <td>7. Mango</td> <td></td>	7. Mango																
E. FODDER       Control	8. Peaches																
1. Lucerne           2. Lablab	E. FODDER																
2. Lablab	1. Lucerne																
	2. Lablab																

 Please include any crops you have that are not listed.
 In columns 6, 7.8, 9, 10, 12, 14, 15, by UNIT we mean a bag, box, bunddle, etc. Specify average weight per unit in column 7.
 In columns 9, 10, 8, 10, 12, 14, 15, by UNIT we mean a bag, box, bunddle, etc. Specify average weight per unit in column 7.
 In column 9, 10, 8, 10, 12, 14, 15, by UNIT we mean a bag, box, bunddle, etc. Specify average weight per unit in sales you have already made, while column 12 deals with sales you have already made, while column 13 requires the expected total receipts from the remaining units still to be sold.
 In column 13 requires the expected total receipts from the remaining units still to be sold.
 In column 13 requires the expected total receipts from the remaining units still to be sold.
 In column 13 requires the expected total receipts from the remaining units still to be sold.
 In column 13 requires the expected total receipts from the remaining units still to be sold.
 In column 13 requires the expected total receipts from the remaining units still to be sold.
 In column 14 quantity for your own household consumption & given away, Column 15 quantity used for farm labourers as payment in kind, (Circle appropriate code) Hay or Silage

Q63

No=2

crop(s) do you prod

Weight (Kg) per unit Crop name Weight (kg) per unit Crop name Weight (Kg) per unit Crop

59 Who are your Crop Buyers during this agricultural season?				(Circle app	ropriate co	des)
	<b>1.</b> BA <i>l</i>	MB			1	
	<b>2.</b> BA <i>N</i>	MB Ager	nt		2	
	<b>3.</b> Co-	-operati	ive		3	
	<b>4.</b> Trad	der			4	
	<b>5.</b> Exp	orted			5	
	6. Mille	lers			6	
	<b>7.</b> Pub	olic			7	
	<b>8.</b> See	ed Multip	olica	tion Unit	8	
	<b>9.</b> Oth	ner (spec	cify)-			
<b>50</b> To which of the following buyers do you sell your horticultu	ral prod	duce?				
				(Circle app	oropriate co	des)
	<b>1.</b> Wh	olesaler	S		1	
		m Stall			2	
	<b>3.</b> Ret				3	
		eet Vend			4	
		sh Produ	ice V	Market	5	
		titutions			6	
	<b>7.</b> Pub				7	
	<b>8.</b> Oth	ner (spec	cify)-	<del></del>		
51 Do you have any land in this Farm that you did not plough	n/plant	during t	his a	gricultural season	ś	
32 What is the total fallow area this season in hectares?					Hectares	
SECTION VII: AGRICULTURAL LABOUR AND FARM CRE	DIT					
	EDIT					
SECTION VII: AGRICULTURAL LABOUR AND FARM CRE	EDIT					Yes=1
	EDIT					Yes=1 No=2  Q65
<b>53 a.</b> Are you aware of any Credit Institution(s)						No=2 — Q65
53 a. Are you aware of any Credit Institution(s)  5. Did you apply for any Credit during this agricultural seasor  5. To which credit Institution did you apply during this agricult	1?	1. NDB		2.Commercial	3. CEDA	No=2 Q65 Yes=1 No= 2 Q65
<ul> <li>a. Are you aware of any Credit Institution(s)</li> <li>b. Did you apply for any Credit during this agricultural seasor</li> <li>c. To which credit Institution did you apply during this agricultural</li> </ul>	1?	1. NDB		2.Commercial Banks	3. CEDA	No=2 Q65 Yes=1 No= 2 Q65
<b>3 a.</b> Are you aware of any Credit Institution(s) <b>5.</b> Did you apply for any Credit during this agricultural seasor	1?	1. NDB			3. CEDA	No=2 Q65 Yes=1 No= 2 Q65 Other
53 a. Are you aware of any Credit Institution(s)  5. Did you apply for any Credit during this agricultural seasor  5. To which credit Institution did you apply during this agricult season?	n? tural	1. NDB			3. CEDA	No=2 Q65 Yes=1 No= 2 Q65 Other (Specify)
53 a. Are you aware of any Credit Institution(s)  5. Did you apply for any Credit during this agricultural seasor  5. To which credit Institution did you apply during this agricult season?	n? tural	1. NDB			3. CEDA	No=2 Q65 Yes=1 No= 2 Q65 Other (Specify) Yes=1
53 a. Are you aware of any Credit Institution(s)  5. Did you apply for any Credit during this agricultural seasor  5. To which credit Institution did you apply during this agricult	n? tural	1. NDB			3. CEDA	No=2 Q65 Yes=1 No= 2 Q65 Other (Specify)
53 a. Are you aware of any Credit Institution(s)  5. Did you apply for any Credit during this agricultural seasor  5. To which credit Institution did you apply during this agricult season?	n? tural	1. NDB			3. CEDA	No=2 Q65 Yes=1 No= 2 Q65 Other (Specify) Yes=1
a. Are you aware of any Credit Institution(s)  b. Did you apply for any Credit during this agricultural seasor  c. To which credit Institution did you apply during this agricultieason?  d. Did you receive any Credit during this agricultural season  e. Which credit Institution helped you during this agricultural	n? tural			Banks  2.Commercial		No=2 Q65 Yes=1 No= 2 Q65 Other (Specify)  Yes=1 No=2 Q65 Other
a. Are you aware of any Credit Institution(s)  b. Did you apply for any Credit during this agricultural seasor  c. To which credit Institution did you apply during this agricult leason?  d. Did you receive any Credit during this agricultural season  e. Which credit Institution helped you during this agricultural	n? tural			Banks  2.Commercial		No=2 Q65 Yes=1 No= 2 Q65 Other (Specify)  Yes=1 No=2 Q65 Other
a. Are you aware of any Credit Institution(s)  b. Did you apply for any Credit during this agricultural seasor  c. To which credit Institution did you apply during this agricultieason?  d. Did you receive any Credit during this agricultural season  e. Which credit Institution helped you during this agricultural season?	n? tural			2.Commercial Banks		No=2 Q65 Yes=1 No= 2 Q65 Other (Specify)  Yes=1 No=2 Q65 Other
a. Are you aware of any Credit Institution(s)  b. Did you apply for any Credit during this agricultural seasor  c. To which credit Institution did you apply during this agricultieason?  d. Did you receive any Credit during this agricultural season  e. Which credit Institution helped you during this agricultural season?	n? tural			2.Commercial Banks		No=2 Q65 Yes=1 No= 2 Q65 Other (Specify)  Yes=1 No=2 Q65 Other
a. Are you aware of any Credit Institution(s)  b. Did you apply for any Credit during this agricultural seasor  c. To which credit Institution did you apply during this agricultieason?  d. Did you receive any Credit during this agricultural season?  e. Which credit Institution helped you during this agricultural season?  e. Which credit Institution helped you during this agricultural season?  d. How much was the credit during this Agricultural Season?	n? tural	1. NDB		2.Commercial Banks  Amount	3. CEDA	No=2 Q65 Yes=1 No= 2 Q65 Other (Specify)  Yes=1 No=2 Q65 Other (Specify)
a. Are you aware of any Credit Institution(s)  b. Did you apply for any Credit during this agricultural seasor  c. To which credit Institution did you apply during this agricultieason?  d. Did you receive any Credit during this agricultural season?  e. Which credit Institution helped you during this agricultural season?  e. Which credit Institution helped you during this agricultural season?  d. How much was the credit during this Agricultural Season?	n? tural	1. NDB		2.Commercial Banks  Amount		No=2 Q65 Yes=1 No= 2 Q65 Other (Specify)  Yes=1 No=2 Q65 Other (Specify)
a. Are you aware of any Credit Institution(s)  b. Did you apply for any Credit during this agricultural seasor  c. To which credit Institution did you apply during this agricultieason?  d. Did you receive any Credit during this agricultural season  e. Which credit Institution helped you during this agricultural season?	n? tural	1. NDB		2.Commercial Banks  Amount	3. CEDA	No=2 Q65 Yes=1 No= 2 Q65 Other (Specify)  Yes=1 No=2 Q65 Other (Specify)
a. Are you aware of any Credit Institution(s)  b. Did you apply for any Credit during this agricultural seasor  c. To which credit Institution did you apply during this agricult eason?  d. Did you receive any Credit during this agricultural season?  e. Which credit Institution helped you during this agricultural eason?  d. How much was the credit during this Agricultural Season?  d. What was this Credit used for?	n? tural ?	1. NDB		2.Commercial Banks  Amount	3. CEDA Other (sp	No=2 Q65 Yes=1 No= 2 Q65  Other (Specify)  Yes=1 No=2 Q65  Other (Specify)
a. Are you aware of any Credit Institution(s)  b. Did you apply for any Credit during this agricultural seasor  c. To which credit Institution did you apply during this agricultieason?  d. Did you receive any Credit during this agricultural season?  e. Which credit Institution helped you during this agricultural season?  e. Which credit Institution helped you during this agricultural season?  d. How much was the credit during this Agricultural Season?	n? tural ?	1. NDB		2.Commercial Banks  Amount	3. CEDA	No=2 Q65 Yes=1 No= 2 Q65 Other (Specify)  Yes=1 No=2 Q65 Other (Specify)

10 11  10 11  10 11  11 10  1. Important work temporary basis? 2. Fully time in describe his/her work hinclude as "include as "include as "encessary)  also casual labourers)

67 What are the difficulties affecting the o	operations of this farm? circle appropriate co	des
	1. Unavailability of credit facilities	1
	2. Lack of management skills	2
	3. Lack of Skilled manpower	3
	4. Transport problems	4
	5. Lack of storage	5
	6. Lack of space	6
	7. Lack of labour	7
	8. Other (specify)	
	, , , , , , , , , , , , , , , , , , ,	
Comments		

THANK YOU RE A LEBOGA