

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

**STATISTICS (AGRICULTURAL CENSUS) REGULATIONS, 1993  
(Published on 7th May, 1993)**

**ARRANGEMENT OF REGULATIONS**

**REGULATION**

1. Citation
2. Authorization to conduct a census
3. Purpose of census
4. Conduct of census

**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 —

- |  |  |
|--|--|
| <b>Citation</b>                          | <b>1.</b> These Regulations may be cited as the Statistics (Agricultural Census) Regulations, 1993.  |
| <b>Authorization to conduct a census</b> | <b>2.</b> The Government Statistician may direct any authorized officer to conduct a census on the agricultural sector in Botswana in accordance with these Regulations.   |
| <b>Purpose of census</b>                 | <b>3.</b> The purpose of the census is, among other things, to identify the type and number of livestock owned by households in Botswana in order to obtain information required for agricultural planning, as well as to provide data on agricultural production and farming practices for future agricultural surveys. |
| <b>Conduct of census</b>                 | <b>4.</b> The authorized officer may ask every person interviewed, for purposes of the census, such questions as are necessary to obtain, of that person, the information required in the questionnaires set out in the Schedule to these Regulations.   |

**SCHEDULE**



Central Statistics Office  
Private Bag 0024, Gaborone

# AGRICULTURAL CENSUS 1993

Collected under the Statistics Act (Cap. 17:01)

**CONFIDENTIAL**

## Form I: Identification Form – First Visit

### Section I: Locality Identification

- 1 Agricultural Region: \_\_\_\_\_  
 2 Agricultural District: \_\_\_\_\_  
 3 Block Number \_\_\_\_\_  
 4 Locality Name and No.

(Codes)

1			
2			
3			
4			

**5 Form Continuation**

This page is  
 Part:   
 of :

- 6 Enumerator's Name  and Code   
 7 Date when listing commenced \_\_\_\_\_ / \_\_\_\_\_ / 93  
 8 Date when listing completed \_\_\_\_\_ / \_\_\_\_\_ / 93  
 9 Supervisor's Name  and Code   
 10 Date Checked \_\_\_\_\_ / \_\_\_\_\_ / 93

11 (Office Use)

Class	Random Start	Interval
1 - 10	Take all	Take all
11 - 20		2
21 - 30		3
31 - 40		4
41 - 50		5
51 - 80		6
81 - 120		10
121 +		11

12 (Supervisor Use)

Part	Number of Holders	Cattle Holders
Part 1		
Part 2		
Part 3		
Part 4		
Part 5		
Part 6		
Part 7		
Part 8		
Part 9		
Part 10		
Total		

- 13 Number for selection  (Supervisor Use)

**Enumerator / Supervisor Comments**

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**Enumerator's Signature:**

\_\_\_\_\_

Date: \_\_\_\_\_ / \_\_\_\_\_ / 93

**Supervisor's Signature:**

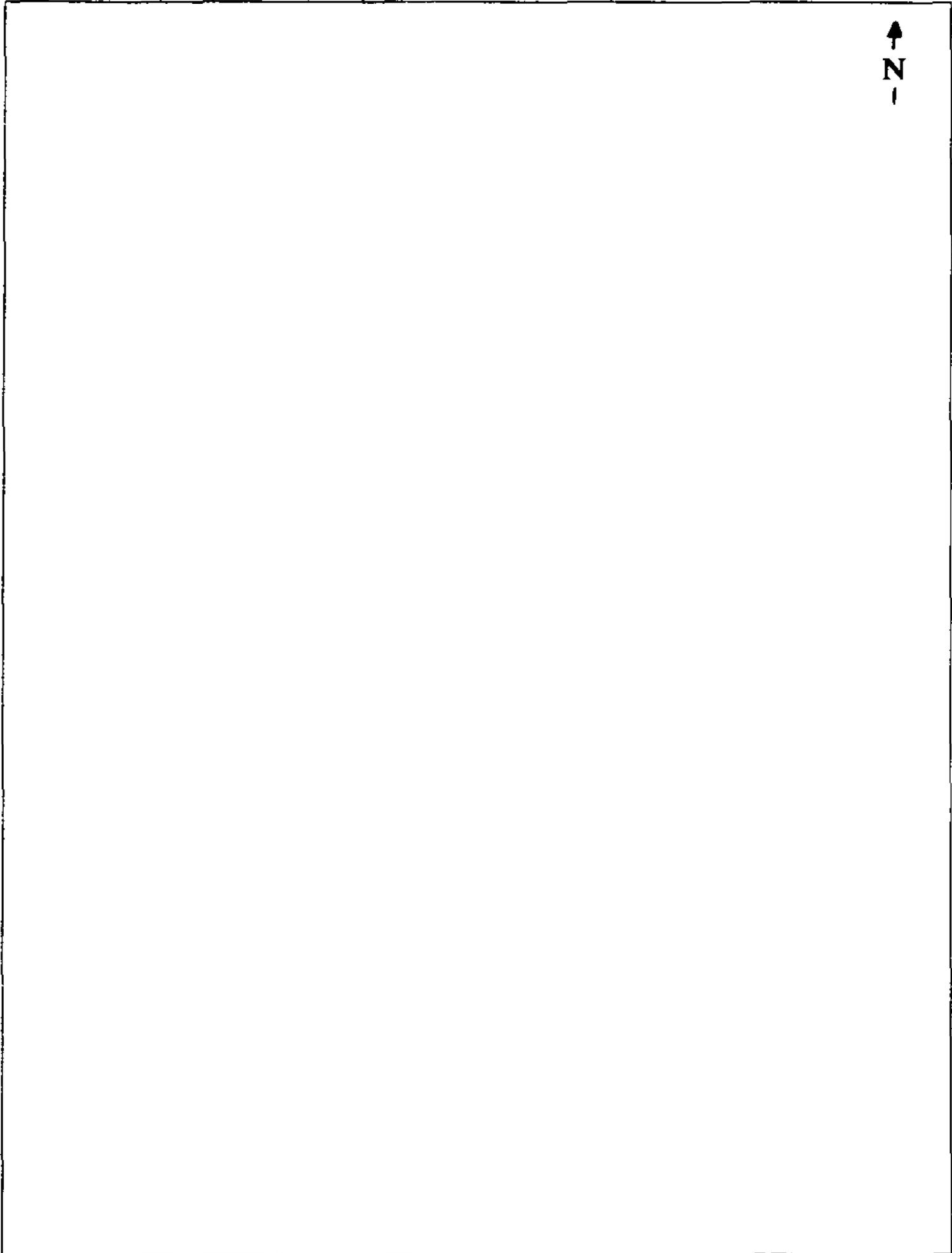
\_\_\_\_\_

Date: \_\_\_\_\_ / \_\_\_\_\_ / 93



**Section III: Sketch Map of the Locality**

- 15 a. Draw a sketch map of the locality to show the locations of all the dwelling units.  
b. Place dwelling numbers (from Section II, Colum 1) on the map.  
c. Draw roads, rivers, schools and other prominent landmarks on the map.



A large empty rectangular box for drawing a sketch map of the locality. A north arrow is located in the top right corner of the box.



REPUBLIC OF BOTSWANA

Central Statistics Office  
Private Bag 0024, Gaborone

# AGRICULTURAL CENSUS 1993

Collected under the Statistics Act (Cap. 17:01)

**CONFIDENTIAL**

## Form II: Traditional Farmers - First Visit

### Section I: Identification

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

1				
2				
3				
4				
5				

6 Name of Holder

7 Name of Respondent

8 Is the respondent the:

- (Circle appropriate 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 Other person 6

9 Name of Enumerator

10 Enumerator's Visit Log

Visit No.	Date	Time	Remarks

11 Name of Supervisor

Enumerator / Supervisor Comments									

<b>Enumerator's Signature:</b> _____
Date:        /        / 93
<b>Supervisor's Signature:</b> _____
Date:        /        / 93

(Office Use)	A	B	C	D	E	F	G	H	I	J
Form I										
Form III										

(Office Use)  
Record Control: 

0	2	0	5
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**Section II: Type of Holding**

12 Is this holding operated by:

- |   |  |                           |                           |
|---|--|---------------------------|---------------------------|
|   |  | (Circle appropriate code) |                           |
| 1. An individual living on site         |  | 1                         |                           |
| 2. An individual living elsewhere       |  | 2                         |                           |
| 3. A household with two or more persons |  | 3                         |                           |
| 4. A corporation                        |  | 4                         | ] <b>Skip Section III</b> |
| 5. A cooperative                        |  | 5                         |                           |
| 6. A government agency                  |  | 6                         |                           |
| Other organisation (Specify) _____      |  |                           |                           |

13 During this agricultural season, are there any:

- a. Crops planted in this holding? (Circle code) [ Yes = 1 No = 2 ]
- b. Any livestock or poultry operated by this household? (Circle code) [ Yes = 1 No = 2 ]

14 In addition to the agricultural activities noted in Q13 above, circle any other economic activities currently undertaken in the holding for commercial gain:

- |  |  |                            |  |
|--|--|----------------------------|--|
|  |  | (Circle appropriate codes) |  |
| 1. Transport services                        |  | 1                          |  |
| 2. Hiring out of tractor/ ploughing services |  | 2                          |  |
| 3. Hunting and or trapping                   |  | 3                          |  |
| 4. Game/wildlife propagation                 |  | 4                          |  |
| 5. Fishing                                   |  | 5                          |  |
| 6. Forestry planting                         |  | 6                          |  |
| 7. Timber/wood production                    |  | 7                          |  |
| 8. Trading store/shop/vendor                 |  | 8                          |  |
| Manufacture and sale of:                     |  |                            |  |
| 9. - Traditional beer                        |  | 9                          |  |
| 10. - Craftwork                              |  | 10                         |  |
| 11. - Other goods                            |  | 11                         |  |
| Other (Specify) _____                        |  |                            |  |

**Section III Particulars of the Holder**

This section is to be skipped if the answer to Question 12 has a code of 4 or over.

15 State the sex of the holder (Circle code) [ Male = 1 Female = 2 ]

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

17 What is the marital status of the holder? (Circle Code)

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

18 a. Is the holder a full-time farmer? Yes = 1 No = 2  $\Rightarrow$  Section IV

b. What are his/her other occupations?

--	--

(Office Use)





26 What were the sources of your seeds this year?

- (Circle appropriate boxes)
- |  |   |   |
|--|---|---|
| 1. Botswana Agricultural Marketing Board | 1 |   |
| 2. Drought Relief Programme              |   | 2 |
| 3. Cooperatives                          | 3 |   |
| 4. Trader                                |   | 4 |
| 5. Another farmer                        | 5 |   |
| 6. Previous year's harvest               |   | 6 |
- Other (Specify) \_\_\_\_\_

27 a. When did you first plough your land this season?  
b. When did you last plough your land this season?  
c. When did you first plant your crops this season?  
d. When did you last plant your crops this season?

(Month number)

a	
b	
c	
d	

28 What was the draught power used to plough the fields?

- (Circle appropriate boxes)
- |                                |   |   |
|--------------------------------|---|---|
| 1. Oxen only                   | 1 |   |
| 2. Oxen and other cattle mixed |   | 2 |
| 3. Donkeys                     | 3 |   |
| 4. Tractor                     |   | 4 |
| 5. Hand hoe                    | 5 |   |
- Other (Specify) \_\_\_\_\_

29 Who provided this draught power?

- (Circle appropriate boxes)
- |                   |   |   |
|-------------------|---|---|
| 1. Drought Relief | 1 |   |
| 2. Self           |   | 2 |
| 3. Mafisa         | 3 |   |
| 4. Hired by self  |   | 4 |
| 5. Borrowed       | 5 |   |
- Other (Specify) \_\_\_\_\_

30 What methods were used to plant the seeds?

- (Circle appropriate boxes)
- |                      |   |   |
|----------------------|---|---|
| 1. Broadcast         | 1 |   |
| 2. Row planter       |   | 2 |
| 3. Row plant by hand | 3 |   |
- Other (Specify) \_\_\_\_\_

31 a. Do you or any member of your household have any land that you did not plough/plant this year?

(Circle code)  
Yes = 1  
No = 2 ⇨ Question 32

b. List all fields not ploughed in Question 25.

c. Assign separate field numbers and place locations on the sketch map.

d. What was the most important reason for not ploughing/planting?

(Office Use)  
[ ]

32 a. Are your fields fenced?

(Circle code)  
Yes - all = 1  
Yes - some = 2  
No - none = 3 ⇨ Section VII

(Office Use)  
[ ]

b. What kind of fences have been used?

- (Circle appropriate boxes)
- |          |   |   |
|----------|---|---|
| 1. Bush  | 1 |   |
| 2. Wire  |   | 2 |
| 3. Poles | 3 |   |
- Other (Specify) \_\_\_\_\_

### Section VII Land Measurement

33 Now we would like to measure each of the crop and fallow fields that you have already mentioned.

Would you please show us the fields so that they can be measured.

(Visit each land area in the holding. Decide whether the layout accounts for the correct division of land areas into different fields depending on apparent differences in cropping - include fields of fallow land and make any necessary corrections on page before measuring the field. Make a detailed sketch and then measure each field using the directions in the Manual. Record your measurements on pages 7 onwards.)

Question 19

Household Schedule

ALL PERSONS					ALL PERSONS AGED 5 YEARS AND OVER				ALL PERSONS AGED 12 YEARS AND OVER						
1	2	3	4	5	AGRICULTURAL WORKERS			EDUCATION		10	11	12	13		
PER-SOW-NUM-BER	NAMES OF ALL HOUSEHOLD MEMBERS	RELATIONSHIP TO HOUSEHOLD HEAD*	SEX	AGE IN COMPLETED YEARS*	During the agricultural season, did you work on this holding? (Include work for payment in cash or kind or for no payment)			Has ever attended school?	What level or grade is studying?	What was the highest level or grade completed?	During the agricultural season, did you work outside the holding? (Include work for payment in cash, in kind or for no payment)	Then what did you do during the period?	OCCUPATION	INDUSTRY	
	What are the names of all those persons who sleep last night with this household?  Start with household head  Include newly-born babies, the disabled, old persons etc.	1 Head 2 Spouse 3 Son 4 Daughter 5 Grandchild 6 Parent 7 Brother 8 Sister 9 Other 10 Relative 11 Not Related	1 M 2 F	If less than one year old state M  If more than 17 years old state M	6A Did work?	6B Type of activity	6C Payment?	1 Yes 2 No 3 Left school 4 Other	1 Yes 2 No 3 Left school 4 Other	1 Yes 2 No 3 Left school 4 Other	1 Yes, for someone else 2 Yes, for self 3 No 4 Go To Q11	10A 1 Cash 2 In kind 3 Both 4 None 5 Payment?	1 Partly 2 Seasonal 3 Work on own land (2B.3) 4 Work on husband's land (2B.3) 5 Actively seeking work 6 Homework 7 Student 8 Retired 9 Other - specify 10 If none of the above	What type of work did you do?  (Use at least two words to describe his/her work. Probe as necessary.)	What is the MAIN product, service or activity of place of work?  If product cannot be identified, write name of company or employer.  (Use at least two words to describe industry. Probe as necessary.)  None Known
0 1															
0 2															
0 3															
0 4															
0 5															
0 6															
0 7															
0 8															
0 9															
1 0															
1 1															
1 2															
1 3															
1 4															
1 5															
1 6															
1 7															
1 8															
1 9															
2 0															

CODES FOR LEVEL OF EDUCATION

Primary		Secondary		Tertiary	
10 Left at Standard 1	15 Standard 5	21 Form 1	25 Form 5	31 Year 1	35 Not known
11 Standard 1	16 Standard 6	22 Form 2	26 Form 6	32 Year 2	
12 Standard 2	17 Standard 7	23 Form 3	27 Not known	33 Year 3	
13 Standard 3	18 Not known	24 Form 4		34 Year 4	
14 Standard 4				35 Year 5 and over	

**Section VII Area Measurement of Crop Fields and Fallow Land (Cont'd)**

1 Sketch Map of Field Field No:  Planted (1) / Fallow (2)  (Code)

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	

3 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


1 Sketch Map of Field Field No:  Planted (1) / Fallow (2)  (Code)

2 Area Measurements (Compass and Chain)

Side	Length(m)	Bearing		Inside Angle
		Forward	Backward	
AB : BA				
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Side	Length(m)	Bearing		Inside Angle
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**Section VII Area Measurement of Crop Fields and Fallow Land (Cont'd)**

1 Sketch Map of Field Field No:  Planted (1) / Fallow (2)  (Code)

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	

3 Supervisor

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

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Side	Length(m)	Bearing		Inside Angle
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AB : BA				
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Side	Length(m)	Bearing		Inside Angle
		Forward	Backward	

3 Supervisor

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

**Section VII Area Measurement of Crop Fields and Fallow Land (Cont'd)**

1 Sketch Map of Field Field No:  Planted (1) / Fallow (2)  (Code)

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	

3 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


1 Sketch Map of Field Field No:  Planted (1) / Fallow (2)  (Code)

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	

3 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

**Section VII Area Measurement of Crop Fields and Fallow Land (Cont'd)**

1 Sketch Map of Field Field No:  Planted (1) / Fallow (2)  (Code)

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	

3 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


1 Sketch Map of Field Field No:  Planted (1) / Fallow (2)  (Code)

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	

3 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

**Section VII Area Measurement of Crop Fields and Fallow Land (Cont'd)**

1 Sketch Map of Field Field No:  Planted (1) / Fallow (2)  (Code)

2 Area Measurements (Compass and Chain)

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

3 Supervisor  a. Perimeter Field   
 Note: The first inside angle is the difference between the first bearing AB and the last backward bearing (from the starting point A). b. Closing Error (%)   
 c. Area

1 Sketch Map of Field Field No:  Planted (1) / Fallow (2)  (Code)

2 Area Measurements (Compass and Chain)

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

3 Supervisor  a. Perimeter Field   
 Note: The first inside angle is the difference between the first bearing AB and the last backward bearing (from the starting point A). b. Closing Error (%)   
 c. Area

MADE this 27th day of April, 1993.

F.G. MOGAE,  
 Minister of Finance and Development  
 Planning.