HOW TO ANWSER THE COMMUNITY QUESTIONNAIRE

1.0 ESWATINI CENSUS OF AGRICULTURE

What is a community?

1.1 A community can be defined as a self-contained unit of social and economic activities. Housing censuses use the similar concept of locality, which is “a distinct population cluster that has a name or a locally recognized status”. Under these definitions, the community or locality may not be the same as the lowest administrative unit.

1.2 HOW TO FILL IN THE ANSWERS

Each booklet will contain information for one community. All the communities belonging to one Inkhundla, will be visited by supervisor. Write the region, Inkhundla/constituency, umphakatsi /chiefdom, name of Chief/Headman and EA number in the space provided on the cover page of the booklet. **Remember not to ask the responded the EA number, you may ask to have a look at the sticker**. Then write your name, the name of respondent and the date of interviewing.

2 EXPLANATION OF THE QUESTIONS CONTAINED IN THE COMMUNITY QUESTIONNAIRE:

Question Number.	Questions	How to Answer
Question 1. **FACILITIES**	**Q1.** Is the facility present in this community 1- Yes 2-No (go to Q3)	Record the code **1 for yes or 2 for no**
Question 2. **How many Facilities**	**Q2.** How many facilities are present in this community	Write the number of facilities which are found to be within the community.
Question 3. **Name of the Facility**	Q3. Name of Nearest Facility to the community centre	Write name of Nearest Facility to the community centre
Question 4. **Distance to the facility**	**Q4.** Distance from community center to the **nearest** facility in kilometers 0 - 2 = **1** 2 - 4 = **2** 4 - 6 = **3** 6 - 8 = **4** 8 - 10 = **5** More than10 = **6 (in km)**	Record the codes assigned to the distances taken from the centre of the community to the nearest facility. **Don’t write the number of kilometers but the codes.**

Question 5. **Time taken to the facility**	**Q5.** Time taken to reach the **nearest** facility from community center (in Min) 00 – 14 = **1** 15 – 29 = **2** 30 – 44 = **3** 45 – 49 = **4** 50 – 59 = **5** 60 – 119 = **6** 120+ = **7**	Record the codes assigned to the time taken from the centre of the community to the nearest facility. **Don't write the number of minutes but the codes.**
Question 6. **Means of transport to the facility**	**Q6.** Means of transport to the **nearest** facility 1=Walking, 3=Bus / minibus, 5=Bicycle 2=Taxi (car), 4=Horse, 6=Motorbike, 7=Other specify____________________	Record the codes assigned to each type of transport used to reach the nearest facility. For code (7) specify the type by writing its name. **Don't write the type of transport but the codes.**
Question 7. **Public transport**	**Q7**. Are these types of public transportation present in this community? **1=Yes, 2=No** If yes circle all applicable 1=Bus………..2=Taxi……..…… 3=Mini Bus.....4=Van /Lorry…… 5=Fore Hire….6=Other Specify…	Record the codes assigned to each type of public transport used in this community. For code (6) specify the type by writing its name. **Don't write the type of public transport but the codes.**
Question 8. **Road network**	**Q8.** Are any of the following roads present in this community **1=**tarred**, 2=**Gravel, **3=** Natural / Earth Surface	Record the code **1 for Yes or 2 for No** for each type of road present in the community.
Question 9. **Condition of the road**	**Q9.** What is the present condition of the roads? 1=Good, 2=Fair, 3=Poor	Record the codes assigned to each type of road condition in this community. **Don't write the type of road condition but the codes.**
Question 10. **Time taken to tarred / gravel roads**	**Q10.** If there are no tarred/gravel roads, how long does it take from this community to the nearest tarred/gravel roads? (For those coded 2 for both tarred and gravel roads in ques. 8)	Write time taken from the center of the community to the nearest tarred or gravel road.
Question 11. **Time taken to tarred / gravel roads & natural/earth surface roads**	**Q11**. If there are no tarred/gravel roads & natural/earth surface, how long does it take from this community to the nearest tarred/gravel & natural/earth surface roads?	Write time taken from the center of the community to the nearest tarred / gravel & natural / earth surface roads?
Question 12. **Water suppliers**	**Q12.** If there is community water supply in this community, which company or department supplies water supply facilities listed below **1=SWSC, 2=Government,** **3=NGO,**	Record the codes assigned to each type of water supplied in this community. For code (5) specify the type by writing its name. Don't write the type of water supplier but the codes. 1=Piped water 2=Public borehole

	4=Private supplier **5=Other specify**	3=Public well 4=None
Question 13. **Community Water committees**	**Q13.** Is there community water committees established in this community? 1=Yes, 2=No	If yes, state the number
Question 14. **Electricity Supply in the Community**	**Q14.** Is there electricity supply in this community? **1 for Yes or 2 for No**	Record the code **1 for Yes or 2 for No** If yes, state the number in the box provided.
Question 15. **Groups or Cooperative Societies & Credit Institutions**	**Q15**. Are there any credit institutions/Groups or Cooperative societies in this community **1=Yes, 2=No (if no go to Q17)**	Record the code **1 for Yes or 2 for No** If yes, state the number in the box provided.
Question 16. **Groups or Cooperative Societies & Credit Institutions**	**Q16.** What is the name(s) of the credit institution/Groups or Cooperative societies?	If yes, write their names in the space provided below and group them accordingly: **Credit** or **non-credit**
Question 17. **Peace and Order**	**Q17**. Does the community have reported cases on the following crimes in the past 12 months? **1=Yes, 2=No**	How many were the victims of the reported cases? If yes, write the number of victims in the space provided below and group them according to the age group and also in sex:
Question 18. **Source of Employment**	**Q18**. What is the main source (s) of employment in this community? **(Multiple)**	Record the codes assigned to each type of **Source of Employment** in this community. For code (6) specify the type by writing its name. **Don't write the type of Source of Employment but the codes.**
Question 19. **Source of Income**	**Q19.** What is the main source (s) of income in this community?	Record the codes assigned to each type of **Source of Income** in this community. For code (6) specify the type by writing its name.
Question 20. **Land tenure**	**Q20**. What is the most common form of land tenure for people living in this community **1=Inheritance** **2= Eswatini Nation Land** **3=Leased** **4=Title Deed Owner**	Record the code **1 for Yes or 2 for No for each of the items listed below.**
Question 21. **Community programs & Services**	Q21. Were any of the listed projects implemented in the community in the past 12 months?	Record the code **1 for Yes or 2 for No for each of the items listed below.**
Question 22. **Community programs & Services**	**Q22**. Did the project address the needs of the community?	Record the code **1 for Yes or 2 for No for each of the items listed below.**

Question 23. Other Agric & Services	**Q23.** Do you have irrigation facilities in your community?	Record the code **1 for Yes or 2 for No**
Question 24. Other Agric & Services	**Q24.** Do you have an area equipped for irrigation?	Record the code **1 for Yes or 2 for No**
Question 25. Other Agric & Services	**Q25.** Does the agricultural produce collection network exist in your community?	Record the code **1 for Yes or 2 for No**
Question 26. Other Agric & Services	**Q26.** Do you have food storage facilities?	Record the code **1 for Yes or 2 for No**
Question 27. Other Agric & Services	**Q27.** Do you have facilities for maintaining agricultural machinery in this community?	Record the code **1 for Yes or 2 for No**
Question 28. Other Agric & Services	**Q28**. Do you have existing farmers' associations or cooperatives or any other providing support and services to the farmers?	Record the code **1 for Yes or 2 for No, and if yes specify by writing its name(s) in the space provided**
Question 29. Other Agric & Services	Q29. Is the agricultural extension service available in your community?	Record the code **1 for Yes or 2 for No**
Question 30. Natural Disaster	Q30. What type of natural disaster(s) is the community prone to: **1=strong winds, 2=drought, 3=floods, 4=hail storm, 5=fire, 6=pest and 7=other specify**	Record the codes assigned to each type of road condition in this community. **Don't write the types of natural disasters but the codes.**
Question 31. Tourism Infrastructure	Q31. Does the community benefit from any tourism facilities or activity?	For each and every activity or facility record the code **1 for Yes or 2 for No**
Question 32. Tourism Infrastructure	Q32. Where visitor information has been produced, is it accessible?	Record the appropriate code in the given box, the accessibility of the information about tourisms.
Question 33. Tourism Infrastructure	Q33. What do you consider to be the key community / infrastructure constraints?	Rank in order of priority each type of constraints. **For each type of constraint it can be 1 / 2 / 3.**
Question 34. Food Security in the Community.	Q34. Are there households in the community that could not afford to eat what they normally eat? **1=Yes / 2=No**	Record the code **1 for Yes or 2 for No**

Question 35. **Food Security in the Community.**	**Q35.0 Reasons for food shortage (multiple) Mark all the appropriate answers.** **Q35.1** Loss of crops……………..…=1 **Q35.2** Lack of jobs……….………=2 **Q35.3** Inability to work because of illness or injury……………………………..=3 **Q35.4** Disabled, old age……………=4 **Q35.5** Lack of land………..……….=5 **Q35.6** Lack of capital…………….…=6 **Q35.7** Family too big……………….=7 **Q35.8** Health expenses…………….=8 **Q35.9** Education expenses..…………=9 **Q35.10** Loss of bread winner………=10 **Q35.11 Other specify**…………………=11	Record the codes assigned to each type of reasons for food shortage in this community. For code (11) specify the type by writing its name and the code in the provided box.
Question 36. **Food Security in the Community.**	**Q36.0 Steps taken to alleviate food shortage (multiple)** **Q36.1** Use savings to buy food……**=1** **Q36.2** Take out a loan……………**=2** **Q36.3** Sell land or livestock………**=3** **Q36.4** Get another job…………….**=4** **Q36.5** Start or expand a family business………………………….**=5** **Q36.6** Get help from relatives or other people………………………….. **=6** **Q36.7** Get help from the Government………………………..**=7** **Q36.8** Get help from charities……**=8** **Q36.9** Get help from NGO's……….**=9** **Q36.10** Illegal trade………………=**10** **Q36.11** Batter trade………………**=11** **Q37.12** Human trafficking………**=12** Q37.13 Other Specify…………….**=13**	Record the codes assigned to each type of steps taken to alleviate food shortage in this community. For code (13) specify the type by writing its name and the code in the provided box.
Question 37. **Soil Degradation in the Community.**	**Q37.** Is there any presence of soil degradation in the community? **1=Yes / 2=No**	Record the code **1 for Yes or 2 for No.** Soil degradation is the decline in soil quality caused by natural processes or, more commonly, improper use by humans. Its consequences include: loss of organic matter; decline in soil fertility; decline in structural condition; erosion; adverse changes in salinity, acidity or alkalinity; and the effects of toxic chemicals, pollutants or excessive flooding.
Question 38. **Soil Degradation in the Community.**	**Q38.0** If yes, what type of soil degradation you are experiencing in this community? Soil erosion ……………1=Yes / 2=No Chemical degradation…1=Yes / 2=No Physical degradation…..1=Yes / 2=No	**Record the code 1 for Yes or 2 for No** for each type of soil degradation. **Soil erosion** is the displacement of soil material by running water, rainfall, wind or other factors, resulting in a decline of arable layers. **Chemical degradation** refers to deterioration in the chemical make-up of the soil because of loss of nutrients and/or organic matters, salination, acidification or pollution. **Physical degradation** refers to the physical

		deterioration of the soil, such as compaction, crusting and sealing, water-logging, and subsidence.
Question 39. **Soil Degradation in the Community.**	**Q39.0 What is the extent of each category?** **Soil erosion**…..1=none 2=light 3=moderate 4=severe………… **Chemical degradation**…1=none 2=light 3=moderate 4=severe **Physical degradation**…1=none 2=light 3=moderate 4=severe	**Degree** refers to the **extent** of the particular type of degradation, as follows: **None:** there is no degradation of the given type on the community. **Light:** the productivity of the land on the holding is slightly reduced but restoration would be possible with modifications in the farm management system. **Moderate:** the productivity of some of the community's land is considerably reduced, and substantial improvements would be needed to restore full agricultural potential. **Severe:** most of the community's land is so badly degraded that it cannot be recovered and agricultural production is no longer possible in much of the community. "Desertification" is one type of severely degraded land.
Question 40. **Soil Degradation in the Community.**	**Q40**. GPS coordinates: Longitude (S) ___‘___‘___. Latitude (E)___‘___‘___. Elevation (M).___________.	After taking the GPS coordinate record the point of the coordinate. With one GPS point you will have to fill three spaces namely: **Longitude represented by (S),** **Latitude represented by (E) and the** **Elevation in (Meters).**

11.64. Soil degradation is the decline in soil quality caused by natural processes or, more commonly, improper use by humans. Its consequences include: loss of organic matter; decline in soil fertility; decline in structural condition; erosion; adverse changes in salinity, acidity or alkalinity; and the effects of toxic chemicals, pollutants or excessive flooding.

11.65. Three categories of soil degradation are shown. Soil erosion is the displacement of soil material by running water, rainfall, wind or other factors, resulting in a decline of arable layers. Chemical degradation refers to deterioration in the chemical make-up of the soil because of loss of nutrients and/or organic matters, salination, acidification or pollution. Physical degradation refers to the physical deterioration of the soil, such as compaction, crusting and sealing, water-logging, and subsidence.

11.66. Degree refers to the extent of the particular type of degradation, as follows:

None: there is no degradation of the given type on the holding.

Light: the productivity of the land on the holding is slightly reduced but restoration would be possible with modifications in the farm management system.

Moderate: the productivity of some of the holding's land is considerably reduced, and substantial improvements would be needed to restore full agricultural potential.

Severe: most of the holding's land is so badly degraded that it cannot be recovered and agricultural production is no longer possible in much of the holding. "Desertification" is one type of severely degraded land.

11.67. The intention of Item 0111 is not to get a technical assessment of the state of the holding's land, but to get the holder's overall impressions of the extent to which land degradation is present on the holding and the effect it is having on agricultural output. It is usually not worthwhile collecting these data parcel by parcel; a broad assessment for the holding as a whole is usually sufficient. Collecting soil degradation data can be difficult, and questionnaires need to be carefully designed. Specific questions may need to be asked about the most common types of soil degradation, and enumeration aids provided to help enumerators assess the extent of the degradation.

The reference period for soil degradation data is usually the day of enumeration.

AC/09/10

ESWATINI AGRICULTURAL SURVEY 2009/2010
(Listing of Rural Homesteads)

Serial Number. (Homestead Number.)	Name of the Head (including local name)	Age Head in Completed years	Sex of Head 1. Male 2. Female	No. of Wives to the head, (if male)	No. of Homesteads to the Head	Legal Status 1.SNL 2.TDL Owner 3.TDL Leaser 4.TDL Settler (Squatter)	Have you or any member of this Homestead cultivate a Land? 1.Yes 2. No	Have you or any member of this Homestead keep Livestock, Poultry, Bee-hives 1.Yes 2.No	The name of holder including local name	Relation-ship to head of Home-stead (Holder) 1.Thead 2.Dhead 3.Spouse 4.Son/ daughter 5.Sister/ Brother 6.Mother/ Father 7.Other	Number of fields operated	Status of holder					Age of Holder in completed years	Sex of Holder 1. Male 2. Female	Educational Level of holder 1. Illiterate 2.Literate with informal chooling 3. Primary 4. Secondary 5. University 6. Post schooling training	Does Holder practice any other occupation in addition to operating the holding 1.Yes 2. No	If Yes, What is the other occupation 1.Lgstor, Sr.Off, Mngeru. 2. Professional 3. Tech & Ass.Pro 4. Clerk 5. Serv,Shop,Mkt Work. 6. Skilled, Agric & Fish. 7. Craft & related Trader 8. Plnt, Mach.Op.& Ass. 9. Elementary Occuptn. 10. Armed Forces. 99. not Stated Refer to Manual
												1. Individual	2. Co operative	3. Community garden (Chief)	4.Community Garden	5. Other (Specify)…………					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
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AC/09/10

ESWATINI AGRICULTURAL SURVEY 2009/2010
(Listing of Rural Homesteads)

Serial Number. (Homestead Number.)	N umber of Persons resident in the Homestead							No. of Commercial Poultry (Chicken) on Date: / /		No. of non-commercial Poultry on Date: / /				No. of Cattle on Date: / /						No. of Sheep on Date: / /				No. of Goats on Date: / /			
		Under 5 years		5- 14 years		15 years & above								Under 1 year		1- 3 years		Over 3 Years		Under 1 year		1 year and over		Under 1 year		1 year and over	
	Total	Male	Female	Male	Female	Male	Female	Layers	Broilers	Chicken	Turkey	Ducks	Others	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
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ESWATINI AGRICULTURAL SURVEY 2009/2010
(Listing of Rural Homesteads)

Serial Number. (Homestead Number.)	No. of pigs on Date: / /		No. of Draft animals on Date: / /			No. of Beehives on Date: / /	Maize Last season (2008/2009)			Do you irrigate?		Agricultural machinery used during 2008/2009 (Tractors, Engines, Loaders, Combines, Vehicles, Sprayers, Harvesters, etc)	If yes, what is the source ? 1. Own 2. Owned jointly 3. Landlord 4. Private holder 5. Cooperative 6. Private Agric. Service 7. Government agency.	No. of owned working tractors	Method of ploughing 2009/2010		
	Under 6 months	6 Months and over	Horses	Mules	Donkeys		No of bags harvested	Method of storing 1. Metal tank 2.Concrete tank 3. Maize Crib 4.Underground 5. Bags 6. Other specify	Maize Production 1. Enough and Sale 2. Always enough 3. Mostly enough 4. Sometimes enough 5. Never enough 6. Not producing	1. Yes 2. No	If yes, Method of irrigation 1.Furrow 2. Sprinkles 3. Drip 4. Bucket 5. Other Specify	1. Yes 2. No			*Tractor* 1. Own 2. Borrowed 3.Hired (Gov.) 4.Hired (Private) 5.Other	Oxen 1. Own 2. Borrowed	Other 1. Donkeys 2. Mules 3. Horses 4. Other
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AC/09/10

ESWATINI AGRICULTURAL SURVEY 2009/2010
(Listing of Rural Homesteads)

Number. (Homestead Number.)	**Crop Cultivated**								**Vegetables Cultivated**						**Fruit Trees**						**Do you have an Orchard ?** **1. Yes** **2. No.**	**Did you Produce Sugar-cane during last season ? (2008/2009)**		**Do you have timber trees in compact plantation ?** **1. Yes** **2. No**	Serial Number of holder
	1. Maize	2. Beans	3. Groundnuts	4. Sorghum	5. Cotton	6. Pumpkins	7. Sweet Potatoes	8. Other	1. Cabbage	2. Tomatoes	3. Spinach	4. Onion	5. Carrots	6. Other	1. Avocado	2.Oranges	3. Peach	4. Paw-paw	5. Banana	6. Other		1. Yes 2. No	**If yes Quantity Produced in M.tons**		
	67	**68**	**69**	**70**	**71**	**72**	**73**	**74**	**75**	**76**	**77**	**78**	**79**	**80**	**81**	**82**	**83**	**84**	**85**	**86**	**87**	**88**	**89**	**90**	**91**
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2. PHASE II - AREA, YIELD MEASUREMENTS AND GENERAL AGRICULTURAL ENQUIRIES.

2.0 Introduction

This phase covers about 20% of the holdings listed during Phase one. A sample of 15 % of the 1347 Enumeration Areas covered in Phase one was taken. In this part you are to cover 10 holdings in each selected enumeration area assigned to you. The selection of the 10 holdings was done in the office. The names of the 10 holding heads of the 10 holdings will be given to you and you have to find them and only interview the ten. You are not allowed to substitute any of the holdings selected in the office. You will only substitute a homestead, which does not grow crops. Even then you have to consult with your supervisor and in turn the Supervisor has to contact the office and the substitution be done in the office. Take good care of the equipment given to you. If you lose any equipment you will be required to replace it. You and the equipment given to you are very important in yielding accurate and unbiased estimates, so do not hesitate to communicate any problem you are faced with, with your supervisor first before any official from the office.

2.1 FORM AC 2 -1- A 2009 / 2010 (BLUE FORM)

2.1.1 HOLDING LAYOUT SKETCH PLAN

The purpose of using the farm layout sketch plan form is to highlight the important features of a holding, particularly those that are of prime use in finding out about the performance of the holding in the farming activities. Such features are later investigated in details in our data gathering activities. Don't forget to fill in the identification information for each sketch plan i.e. fill in the EA (Enumeration Area) number, holding number, date and your name (Enumerator). An example of a sketch plan and the symbols to be used for the sketch is shown on the following pages

AC 2-1-B-2009/2010

ESWATINI AGRICULTURAL SURVEY 2009/2010
HOLDING LAYOUT SKETCH PLAN

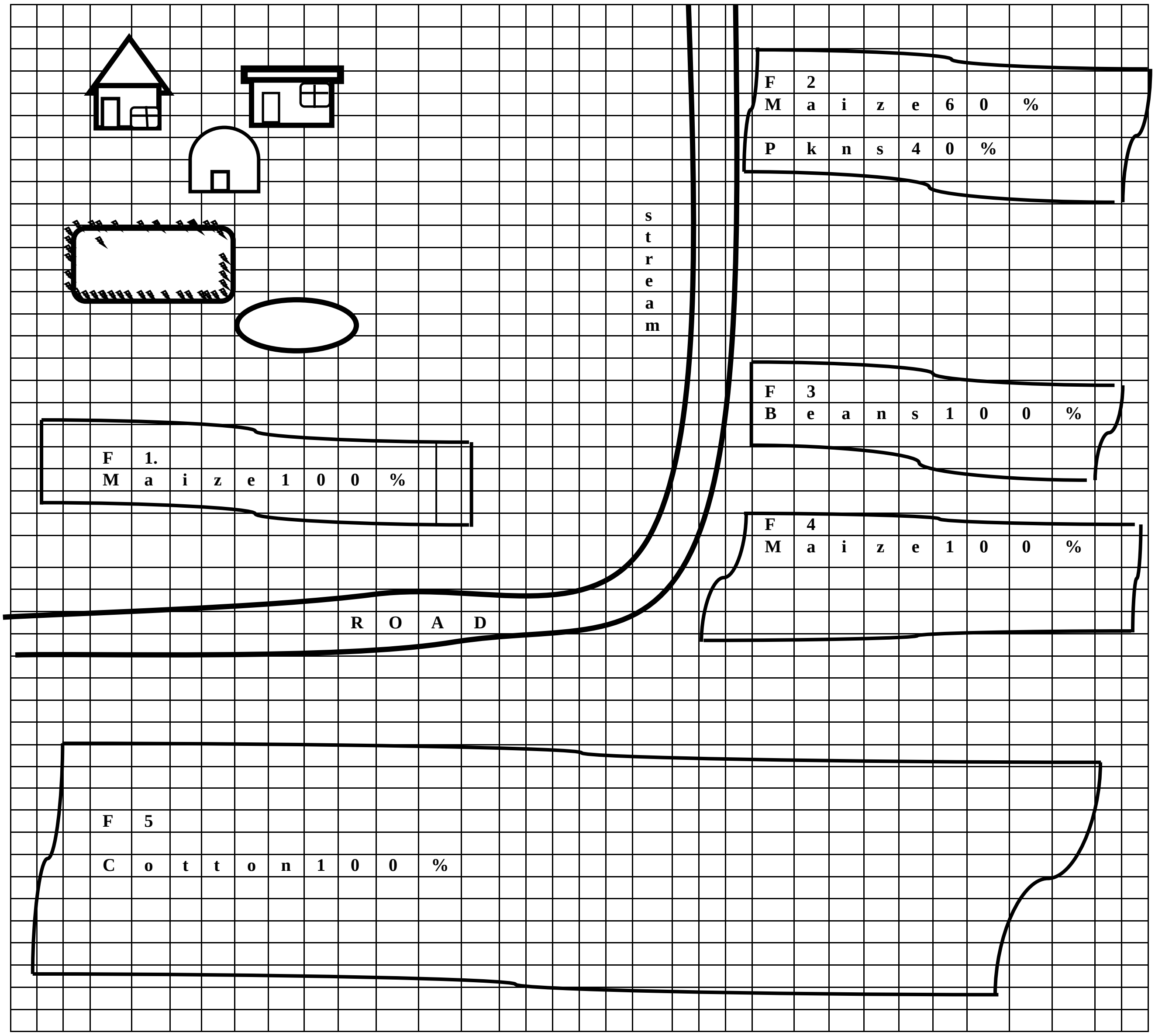
Phase II

E.A. NUMBER **HOLDING NUMBER** **DATE**

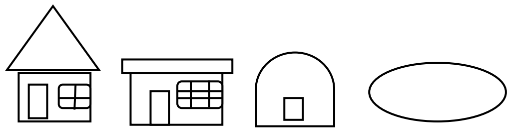
Name of Holder: ____

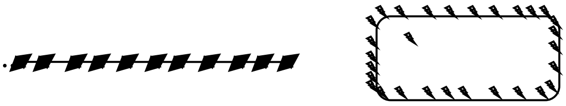
Enumerator's Name: ____________________________ **Supervisor's Name:** ________________________

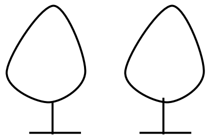
Diagrammatically layout of holding, Fields and their shape, Buildings, Roads, Cattle kraals, Fences, Irrigation channels, e.t.c.

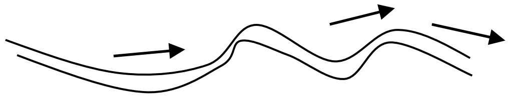


2.1.2 Symbols for use on Sketch Plan

1. House / hut / shed /cow byre ... . 

2. Fences and kraals... ... ... 

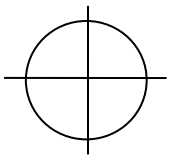
3. Planted Fruit Trees. . . . . 

4. Stream / River (Arrow Shows direction)……… 

5. Dam .... 

6. Irrigation Farrow / Canal................. 

7. Irrigation Pipeline. . . . . 

8. Pump house............................. 

9. Fields (according to shape) . .. . 

2.2 FORM AC2 - 1 - B - 2008/2009 (BLUE FORM page 50)

2.2.0 Field Measurement Procedure

2.2.1 Introduction

In order for the input-output data to be meaningful, the size of the field must be known. Each enumerator is responsible for the measurement of all fields involved in the collection of crop production. All data collected without having field sizes are useless.

(a). Materials Needed:

1. GPS (Geographical Positioning System tool)
2. A Note pad and a pen.

(b). When to measure fields:

Field measurements should be made before / after planting, but before the crop grows too tall to see over.

(c). Reporting the information:

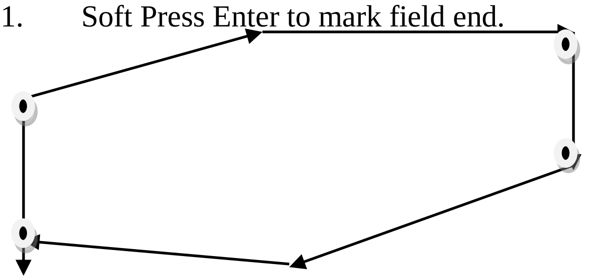
The following is to be used to report the field measurements. Indicate the EA No., Farm No., and Date of the measurements and your name at top of the page. Two field measurements can be recorded on each sheet. At the top right hand corner you should indicate how many pages are being used for the farm in question. For example, if the farm has 8 fields then a total of 4 sheets must be used. At the bottom of the page you should draw a sketch of the field. When the measurements are complete turn the sheets over to the supervisor for delivery to Mbabane.

2.2.2 Procedure for Measurement

You must always make sure that your GPS has received at least four satellites.

Follow these steps:

1. Start at the southwest corner of the field.
2. Switch on your GPS.
3. Press Menu (Use GPS Off)
4. Press Menu (Select Tracks)
5. Press Enter
6. Press Menu (Select Area Calculation)
7. Press Enter (Select Start)
8. Long Press Enter to mark the starting point.
9. Proceed around the field in a clockwise direction. As you stand at the corner looking into the field proceed into your right.
10. In each and every corner of the field make a point before taking another direction following the below procedure;
    (i) Long Press Enter
    (ii) Select OK and Press Enter
    (iii) Proceed to the next Corner until the starting point.
11. Soft Press Enter to mark field end.



Starting point

Showing starting Point

Showing clockwise direction to be followed.

2.3 FORM AC2 - 1 - C-2008/2009 (HOLDING SUMMARY FORM)

SECTION 1: IDENTIFICATION

This section is very important in linking the information from the other schedules (forms) pertaining to the same homestead. Each time you fill up the identification section of each schedule (form) check with the other schedules or forms of the same homestead. If the information in this section is different from the other forms check and make the necessary changes.

SECTION 2: AREA UNDER

This form is mainly for recording data on area under crop whether cultivated on as pure stand i.e. the whole field is used for the cultivation of one crop; or as mixture cropping i.e. two or more crops are cultivated in one field e.g. maize + pumpkins, maize + groundnuts, etc.

Column 1: Field No. , here you write the field number as it appears in Form No. AC2 - 1 - B-2008/2009 for field measurements.

Column 2: Name of crop(s) and percentage(s), write the name of the crop cultivated on the field and the per crop distribution.

Column 3: Code, enter code from the second page of this questionnaire.

Column 4: Crop pure stand (100%). Write code in 4a and area in 4b of the crop only when it is cultivated as pure stand e.g. the whole field is under maize cultivation.

Column 5: Area under mixture cropping area as follows:

(a). Estimate crop area in the mixture cropping as percent of field area (10% ,25%, etc).

(b). Multiply total area of the (column 6) by that percent, enter results in column 5.

**** Note that column 5 is divided into 3 columns (5a, 5b and 5c) so you are to enter each area for each column accordingly.**

Column 6: Total area under crop is either the area in column 4b that is the area of pure stand or the addition of the area under mixture that is column 5a + 5b + 5c if there are three crops in the field.

SECTION 3: CROP AREA

Under this section you are to enter areas total areas for the different crops as shown in this section for both field and vegetable crops. If for example the household has 5 (Five) fields under maize, here you enter the total area for the five fields. You do this addition of areas for all the crops.

SECTION 4: FRUIT TREES AND FRUIT PRODUCTION 2008 / 2009

Here you are to record under column 3 the area (Ha) of the Orchard in June 2008. You have to measure the different orchard(s) as explained in Field Measurement Procedure Section. Under column 4 you enter the total number of fruit trees in June 2008. Please note that the reference period here is June 2008. Trees planted later than June 2008 are not considered here. Under column 5 you enter the number of trees harvested in 2008. Under column 6 enter for example in case of bananas the number of cases harvested under column 7. In case 0 oranges record pockets. Use column 8 to record quantity produced in Kilograms (Kg). In column 9 and 10 record quantity and value respectively.

SECTION 5: LAND UTILISATION

Under this section you record the land utilization of the holding. Land Utilization is a classification showing what part of the total land in a given holding can be used for different purposes in agricultural production. It further shows the potentialities for various types of agriculture production and makes possible, comparisons between holdings.

2.4 FORM AC-2- 2-2008/2009: NUMBER OF PEOPLE LIVING IN THE HOLDING, FERTILIZERS/CHEMICALS, IMPROVED SEEDS, [PRODUCTION, PURCHASES, CONSUMPTION AND SALES (Since last harvest)]

SECTION 1: IDENTIFICATION

This selection is very important in linking information on the other forms. This section should carry out the same information as section one of the other forms.

*__Note: Question 10__

Present=1 Holder present at time of interview.
Absent =2 Holder temporarily absent for one month or less.
Absent =3 Holder absent, away at School. Training College, etc for full-time education.
Absent =4 Holder absent away elsewhere in Eswatini & visits the household regularly, once or more a month.
Absent = 5 Holder absent away elsewhere in Eswatini & visits the household, less than once a month.
Absent = 6 Holder absent, away in another country.

SECTION 2: NUMBER OF PEOPLE LIVING IN THE HOLDING

In this section we are trying to obtain the total number of people living in the holding together with some of their basic characteristics i.e. name, age, etc. Education level completed question only applicable to persons 5 years and over. People present in the holding should have spent 15 days in a month i.e. at least 5 days in the holding.

SECTION 3: IRRIGATION OF THE FIELDS

This section collects information on irrigation. What the section looks for are areas irrigated by different methods.

1. Farrow: - Here you record total area of the homestead irrigated by running water by means of a canal.

2. Sprinkler:- As in above, here you record total area of the homestead irrigated by overhead spraying of water. The sugar plantations in the lowveld commonly use this method.

3. Bucket:- Here you record total area of the homestead irrigated by fetching water from the source and pouring it on the plant.

4. Other / Specify:- Specify any other method the farmer might have used, but not rain.

SECTION 4: FERTILIZERS AND OTHER CHEMICALS

Under this section you record the area treated with "each type of the inputs. You have already measured the field at this stage, so the estimation of areas treated should be easy. Also record the amount of each type of inputs in the spaces provided and cost.

SECTION 5: IMPROVED SEEDS

Like in section 4 you record quantities and costs of the seeds used by the homestead.

SECTION 6: PRODUCTION, PURCHASES, CONSUMPTION AND SALES

(Since last harvest)

In this section, we are trying to assess the capabilities of the homesteads in the production of the food crops. The food crops are maize, jugobeans, groundnuts, cowpeas and other. Maize is divided into three subdivisions of maize in grain, maize in mealie-meal and maize green. The unit of measurement for these subdivisions of maize is a 50 kg bag. For beans, jugobeans, groundnuts and cowpeas it is kilogrammes. We use the kgs because most of the famer's production of these crops is below a tin, so in order to include every farmer we prefer to report in kgs. Note that most of the farmers do not know the quantity in kgs, so it is very important that you as an enumerator have knowledge of kgs. For instance, you should know how much a local unit would be in kilogrammes, e.g. a basin that a farmer might have used in harvesting the crop. This will help you to convert them into kgs. Sorghum should be also recorded into Kilograms. For any crop you record it under other (please specify the name of the crop) also record the unit of measurement that was reported to you by the respondent. The whole section is divided into ten (10) columns that must have entries. In the production column, you only enter what the homestead produced (grew) for itself, so there should be no entries for mealie-meal under production since no homestead can grow mealie-meal. ill the purchases column you enter the amount of that crop that the homestead purchased (in kgs) the previous year and what was given to it as gifts; and the price, which was purchased (enter that in the price column). In the following columns you enter information on the amount sold to the National Maize Corporation (NMC) or Eswatini Milling(SM), the amount sold to neighbours and the price at which the crop was sold; the amount used for other purposes not mentioned in this questionnaire. Stocks refer to the amount left over from the previous year.

*** * * Please always revise your work every day after your day's work. Make sure that your entries make sense. Remember no question is foolish so please consult your supervisor for every thing you do not understand. Do not wait until the day of submission of the work.**

2.5 FORM AC2 - 3-2008 / 2009: CROP YIELD QUESTIONNAIRE (CROP SAMPLE WEIGHT) (Pink Form)

2.5.0 Introduction

Like all other schedules of this survey, this one has the identification section. The identification sections of these schedules should carry the same (identical) information for the same homestead. To avoid possible confusion you can make use of the completed schedules to fill in the identification information for all the other schedules.

SECTION 1: IDENTIFICATION

This section is very important in linking information on the other forms. This section should carry out the same information as section one of the other forms.

SECTION 2: AREA UNDER CROPS

Check that field number, name and code are correctly entered, as they should be consistent with other previous forms. The Total number of plants/hills must equal Number of plants/hills harvested plus Number of plants/hills damaged. The test weights should show a decreasing trend as an indicator that the sample is drying up. As an indicator that the sample is ready for shelling, weight 3 and 4 should be the same. Make sure that the final weight is the average number of weight after shelling / threshing divided by the number of plots. i.e. Final Weight = $\frac{\text{Weight after shelling}}{\text{Number of plots}}$

***** If more than one plot has been harvested in a field, the final weight must be divided by the number of plots.

SECTION 3: METHOD AND COST OF PLOUGHING

Under this, you record the cost of ploughing used by the homestead. Record the estimated cost for the method used even for those homestead using own and borrowed tractors and oxen. Labour should be hired. Estimate costs by asking the knowledgeable respondent. Ask the respondent how much s/he could have paid if s/he had equipments.

SECTION 4: AGRICULTURAL WORKERS ENGAGED IN THE HOLDING DURING AGRICULTURAL YEAR 2008/2009

Under this section, you record the number of Agricultural Workers engaged in or outside the holding during the Agricultural year 2004/2005 by Gender and the given categories. See definition of Temporary and Permanent worker in the Chapter of Concepts and Definitions page 10. The table below Section 1, which in fact is Section 2, is recording the weight of the crops sampled and harvested

For crop yield measurement, selection of fields under crops will be done from the list of fields planted with particular crops. This list will be prepared during the measurement of area of all fields operated by the sampled 10 holdings in each selected enumeration area. Fields under crops will be classified as follows:

1. Maize pure stand (100)
2. Maize and Pumpkin
3. Maize and other
4. Sorghum
5. Groundnuts
6. Beans
7. Cotton
8. Potatoes
9. Sweet potatoes
10. Cowpeas
11. Other Crops

From each of these crop groupings, crop-cutting experiments will be conducted, and in each field there will be a minimum of one yield plot. In fields that are more than 1/4 hectare in size the number of yield plots will be increased. There should be one yield plot for every 'l4 hectare of field size. The following table shows how to determine the number of yield plots for a field.

Size (in Ha)	Number of Yield Plots
Less than or equal 0.25	1
0.26 - 0.50	2
0.51 - 0.75	3
0.76 - 1.00	4
1.01 - 1.25	5
1.26 - 1.50	6
1.51 - 1.75	7
1.76 - 2.00	8
2.01 - 2.25	9
2.26 - 2.50	10
2.51 - 2.75	11 and so on!

2.5.1 What is a yield plot?

A yield plot is a small area in the field where the crop is harvested and weighed in order to closely estimate the yield of the entire field. The plots will be circular with radius of2.82 metres, which contain 25 square metres of area. Thus, each area is 1/400 of a hectare. The rest of this section describes the use of this method.

2.5.2 When to make crop cuts

Yield plots should be laid out and harvested as soon as the crop is mature but before the farmer start / begins harvesting.

(a). Material needed

1. Sample bags
2. A spring balance
3. Two stakes with a 2.82 metre string
4. A Bush knife / Sickle

(b). Location of plot

The plot is of2.82 metres radius circle. This circle is obtained by randomly designating a point of intersection in the field. Let us see how the point is obtained.

(c). Procedure to obtain the point

1. Start from the comer of the field nearest to you when you are in the field.
2. Measure clockwise its perimeter in metres with the tape measure.
3. Call this starting point A.
4. Reading down the column of the table of random numbers of appropriate digits given to you, select the first number which is equal to or less than the perimeter.
5. Suppose the perimeter is 1097 metres which a 4 digit number. Further suppose column 4 of the four-digit random numbers table is allocated to you.
6. Reading down this column, you find that the first number, which is less than 1097 metres, is 341.
7. Select this number and encircle (0341) it to show that it is selected.
8. Move 341 metres from A, clockwise on the perimeter, call this point you reach, B.
9. From B, measure across the field at right angle to the opposite.
   (i). Suppose this distance is 399 metres, which is a three-digit number.
   (ii). Reading down column 4 of the three digit random numbers, select the first numbers equal to or less than these distance i.e.399 metres. Suppose this number is 276.
10. From B, move 276 metres along the distance. Call this point you reach C.
11. Taking C as the center, you have to demarcate a circular crop-cutting plot of 2.82 metres radius.

Note: Crops, which obscure visibility:

Often the selected field may be large and the crop plants so tall that the opposite side is not visible making it difficult to move across the field at a right angle to the opposite side. In such a situation, fix a sufficiently high pole at each of the two ends of the opposite side and fix a third pole at the point where the perpendicular line from B falls on the line joining the first two poles. When you move from B across the field, see that you always move in the direction of this third pole.

(d). Plot outside the field

If you find that the selected centre C is at such a point in the field that the circular plot of2.82 metres radius cannot be fully accommodated in it, reject both B and C points and select a fresh pair of random numbers reading the random numbers reading the random numbers further down from the numbers last used.

(e). Random numbers

You will be given columns of random numbers of two, three, and four digits. When the distance is a two digit figure, use allotted column of two digit random numbers. When the distance is a three-digit figure, use column of three digit random numbers and so on. For the first crop-cutting plot to be located, start from the top allotted column. Always read further down the number last used: When a column is finished, proceed to next column and so on. When all columns after the starting column is exhausted, go to the first column of the appearing digits in the table.

2.5,3 Laying out the yield plot

The circular yield plots will be laid out using two stakes with the 2.82 metre string. At each required location (see above) one stake is driven into the soil such that is firmly fixed. This will be the centre of the yield plot. The second stake is taken outward from the centre to fully extend the string.

2.5.4 Completing the circle and making the crop cut

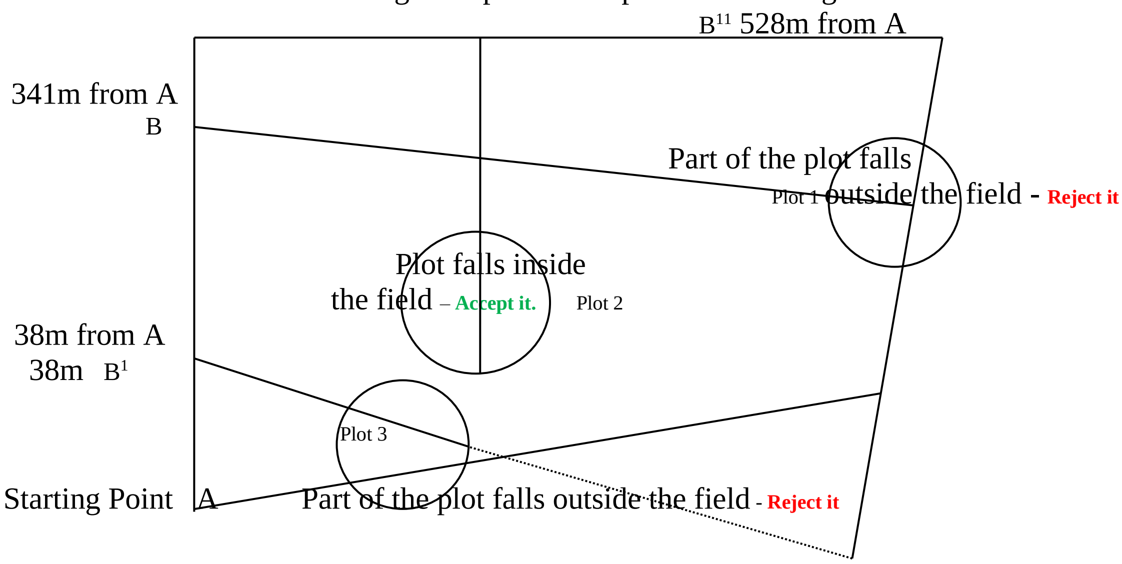
As the outer stake is moved around the centre the crop being sampled must be cut (or dug out, etc.) and stacked. This will allow the string to pass around the circle without obstructions. At the completion of this step the crop should have been taken from a perfect circle with diameter of 5.64 metres (i.e. 2 x 2.82 m). If there were two or more crops growing in the field (intercrop) each crop should have been stacked separately for accurate weighing. Determine the crop(s) falling inside the plot by looking at the roots of the crop(s) whether they are inside or outside the plot, not just by looking on which side they emanated.

2.5.5 Harvesting the crop

Harvesting is done on a sampled plot by conducting the crop cutting experiment. The crop should be harvested and stored in a cloth bag for drying and weighing. Be sure to carefully label each bag so that it can be easily identified by the homestead members and you at the later date. Crops should not be shelled/threshed immediately after harvesting.

Example:

An illustration of locating an experimental plot in a field is given below:



(i). You measure the perimeter starting from corner A that is the South - West - Corner of the field.

(ii). The length of the perimeter in meters is a four-digit figure. Therefore consult the allotted column of four digit random numbers to locate point B on the perimeter. The four digit random number column allotted to you is 4. Suppose this and subsequent columns read as follows :(see page 34).

(iii). The first number in column 4 of the above random numbers table is 0341 which is less than1097 meters. Select it and encircle it. (See page 34).

(iv.) Move clockwise 0341 metres from A on the perimeter. The point you reach is B.

(v). Measure the distance from B across the field at right angle of the opposite side. This comes to 399 meters. This is a three-digit figure. Consult column 4 of the three digit random numbers allocated to you. Suppose this and subsequent two columns read as follows :(see page 35).

FOUR DIGIT RANDOM NUMBERS.

Column 4	Column 5	Column 6
0341	1697	7240
9771	1124	7247
1673	3526	6624
1253	3826	6853
5553	3199	9566
1624	6662	2777
8441	1492	2170
6306	6801	1635
3322	2041	1126
5766	6410	0869
1810	0528	8076
2660	0792	2387
2346	6872	2401
5232	2696	6289
3781	1465	5945
7021	1759	9173
5669	9022	2186
9944	4129	9578
1606	6028	8158
3119	9126	6935
6833	3454	4300
7458	8527	7252
2740	0972	2379
0038	8879	9685
2999	9094	4986

THREE DIGIT RANDOM NUMBERS

Column 4	Column 5	Column 6
738	665	636
676	750	242
276	162	656
992	863	696
356	914	438
943	671	949
533	451	157
785	180	916
342	739	978
324	977	409
924	706	644
977	882	584
647	858	482
199	655	550
351	687	283
121	587	340
373	211	596
227	559	788
047	816	233
324	059	350
137	743	055
657	394	659
865	774	348
296	181	166
942	180	468

(vi). The first number less than 399 metres in column 4 above is 276. Select it and encircle it.

(vii). From B, move 276 metres on the line across the field at right angle to the opposite side. You come to point C, taking C as centre, you demarcate plot NQ. 1.Suppose you found that it is not fully accommodated in the field (as illustrated).

(viii). Now you have to find an alternative plot. Reading down column 4 of four digit number 1097 metres you get is 0038 (**see page 34).**

(ix). Move 38 metres from A along the perimeter. You reach the point B '.

(x). From H' measure across the field at right angle to the opposite side. Suppose this distance is a two-digit number. Use column 4 of two digits random numbers allotted to you (**see page 36**).

This and the subsequent two columns read as follows: (see page 37).

TWO DIGIT RANDOM NUMBERS

Column 4	Column 5	Column 6
98	39	64
60	68	11
03	35	62
84	29	66
79	65	48
46	45	44
17	52	45
03	39	55
09	76	45
91	54	72
02	21	71
30	91	60
55	49	77
35	89	22
58	73	95
17	13	32
92	38	35
93	14	29
93	12	71
09	42	78
79	87	43
37	32	99
87	35	59
42	23	73
03	94	96

1. The first random number less than 97 in column 4 above is 60. Select it and encircle it.
2. Move 60 metres from B' perpendicular to the opposite side. You come to point C' which is near the edge of the field. Thus your plot will again fall wholly or partly outside the field.
   Reject B' and C'.
3. You have to still an alternative plot.
4. Read down column 4 of four digit random numbers after 0038 last used. You will finish Column 4. Then proceed to column 5; and the first number less than the perimeter 1097 metres that you find is 0528. Select it and encircle it.
5. Move from A along the perimeter 528 metres. You come to the point B".
6. Measure across the field from B" at right angle to the opposite side. Suppose this distance is 421 metres a three digit figure
7. Read down column 4 of three digit random numbers after 276 last used. You find that the first numberless than 421 is 3'56. Select it and encircle it
8. Move 60 metres from B" and you come to C".
9. Taking C" as the centre you demarcate a circular plot of 2.82 metres radius. Note that the plot is entirely in the field. This is your plot.

2.5.5.1 Two (2) or more plots

Identify the first plot as indicated above. Return to the edge of the field where you started and move in the clockwise direction to the next corner of the field. Go back to your random number table to look for a number less than the perimeter and follow the procedure as in obtaining the first plot. If more helps are needed repeat this step until you return to the original corner of the field.

2.5.5.2 If more plots are needed

If you still need more yield plots after returning to the original comer of the field simply turn around and continue the above steps in counter clockwise direction until the required number of plots are identified.

2.5.5.3 Obtaining a dry Grain Weight

In most cases the grain will not be in a dry storable condition when harvested. The samples must be dried before a final weight is recorded. To do this hang the cloth bags containing the samples in a place where air can circulate freely and / or the sun can speed up the drying process. In most cases leave the samples at the homestead for drying. Please make sure that this sample is stored in a safe place where it will not be spoiled in any way e.g. by rain. And no member of the homestead should interfere with it such as exchanging the cobs for good or for bad ones. As you make your weekly visits to the homestead take weights of the sample bags and record the weights. When you obtain 2 - 3 weights successively and they are the same, you can assume that the sample is sufficiently dry for threshing. Then you shell it for the final grain weight. Notify the supervisor when you have samples ready for weighing. Crop yield estimated will be taken from all fields of the sample of 10 homesteads. The information will be used to determine crop production estimates for the country. When all fields have been sampled and final weights obtained and recorded, hand the data forms over to the Supervisor for delivery in Mbabane.

APPENDIX 1

Form AC 2-1-A 2008/2009

ESWATINI AGRICULTURE SURVEY 2008/ 2009
HOLDING LAYOUT SKETCH PLAN

Phase II

E.A. Number: Holding Number: Date:

Name of Holder: ______________________________

Enumerator's Name: ______________________ Supervisor's Name: ______________________

Diagrammatically layout of Holding, Fields and their shape, Buildings, Roads, Cattle kraals, Fences, Irrigation channels, etc.

APPENDIX 2
Form AC 2-1-B-2008/2009

ESWATINI AGRICULTURE SURVEY 2008/2009
FIELD AREA MEASUREMENTS

Phase II

sheet……….of………

Enumerator's Name: ______________________________

Name of Holder: ______________________________

E.A. Number | | | | | |

Holding Number | | | |

Date | | | | | | |

Planting Date……………………/……………/……………		**Planting Date……………………/……………/……………**		**Planting Date……………………/……………/……………**	
Measuring Date……………………/……………/……………		**Measuring Date……………………/……………/……………**		**Measuring Date……………………/……………/……………**	
Field No.		**Field No.**		**Field No.**	
Crop Code % **Crop Code** % **Crop Code** %		**Crop Code** % **Crop Code** % **Crop Code** %		**Crop Code** % **Crop Code** % **Crop Code** %	
Area in **(Ha)**	**Perimeter (Metres)**	Area in (Ha)	**Perimeter (Metres)**	Area in (Ha)	**Perimeter (Metres)**

Draw sketch of field

Draw sketch of field

Draw sketch of field

APPENDIX 3
Form AC 2-1-C-2008/2009

ESWATINI AGRICULTURE SURVEY 2008/ 2009

HOLDING SUMMARY QUESTIONNAIRE

Phase II

SECTION 1. IDENTIFICATION

1. District: ______________________________

2. Name of Area: ________________________

3. Name of Chief/
Indvuna: ______________________________

4. Enumeration Area No. [| | | |]

5. Holding No. [| |]

6. Name of Holder: ____

7. Legal Status [ ] 1 = SNL 2 = TDL Owner
3 = TDL Leaser 4 = TDL Settler Squatter)

8. Enumerator's Name: ______________________________________

9. Date(s) of Enumeration: ___________________________________

10. Supervisor's Name: _____________________________________

11. Date of Supervision: ____________________________________

SECTION 2. AREA UNDER CROPS

Field No.	**Name of Crop(s) and Percentage(s)**	**Crop Code Mixture Cropping**			**Crop Code Pure Stand**	**Area under Pure Stand 100%**	**Area under mixture Cropping**			**Total Area under crop 4b or (5a+5b+5c)**
1	2	3a	3b	3c	4a	4b	5a	5b	5c	6

NOTE: Enter field number (Column 1) and area (Column 6) from Form # AC 2-1-B. Enter code from the 2nd page of this questionnaire (Section 3, column 2). Estimate crop area in the mixture cropping as percent of field area. Percent distribution is also given in form # AC 2-1-B

ESWATINI AGRICULTURE SURVEY 2008/ 2009

HOLDING SUMMARY QUESTIONNAIRE (Cont.)

Phase II

Enumeration Area No. | | | | | | Holding No. | | | |

SECTION 3. CROP AREA

FIELD CROPS			VEGETABLES		
Name of Crop	**Crop Code**	***Total Crop Area**	**Name of Crop**	**Crop Code**	***Total Crop Area**
1	2	3	1	2	3
Maize (Local)	112		Cabbage	151	
Maize (Hybrid)	113		Tomatoes	152	
Green mealies (Lifutfo)	114		Spinach	153	
Sorghum	115		Carrots	154	
Potatoes	121		Beetroots	155	
Sweet Potatoes	122		Green-beans	156	
Beans	131		Pepper	157	
Jugo-beans	132		Onions	158	
Soya-beans	133				
Cowpeas (Tinhlumaya/Tindvumba)	136		Others:	999	
Sesame (Ludvonca)	138				
Pumpkins	139				
Sugarcane	141				
Groundnuts	142				
Sunflower	143				
Cotton	144				
Tobacco	145				
Cassava (Umjumbula)	146				
Melon	160				
Sweet-cane	161				
Yams (Emaselwa)	163				
Water melon (Lihwabha)	164				
Mathapha/Emadvumbe	165				
Mug-beans (Mngomeni)	166				
Others:	999				
Total			**Total**		
Fallow	147		Fallow	159	

*** Enter area from page 1 of this questionnaire (Section 2, Column 6). The area of each type of crop should be added together.**

SECTION 4. FRUIT TREES AND FRUIT PRODUCTION 2008/2009

Type of Trees	Code	Orchard in June 2008 Area (Ha)	Total Number of Trees in June 2008	Number of Trees Harvested in 2007/2008	Quantity Produced			Sales	
					Local Unit	Number	In Kilograms	Quantity in Kg	Value in E
1	2	3	4	5	6	7	8	9	10
Banana	61								
Oranges	62								
Mangoes	63								
Apples	64								
Peaches	65								
Paw-paws	66								
Plums	67								
Pears	68								
Lemon	69								
Avocado	70								
Grapefruit	71								
Naartjies	72								
Pineapples	73								

SECTION 5. LAND UTILISATION

Total Area of Holding	Uncultivated Land	Cultivated Land		
		Crop and Vegetables	Fruit Trees	Others

APPENDIX 4
Form AC-2-3-2008/2009

ESWATINI AGRICULTURE SURVEY 2008/ 2009

NUMBER OF PEOPLE LIVING IN THE HOLDING, IRRIGATION, FERTILIZERS/CHEMICALS, IMPROVED SEEDS, [PRODUCTION, PURCHASES, CONSUMPTION AND SALES (Since last harvest)]

Phase II

SECTION 1. IDENTIFICATION

1. District: ____________________

2. Name of Area: ____________________

3. Name of Chief/ Indvuna: ____________________

4. Enumeration Area No.: ☐☐☐☐☐

5. Holding No.: ☐☐☐

6. Legal Status: ☐
1 = SNL 2 = TDL Owner 3 = TDL Leaser
4 = TDL Settler (Squatter)

7. **Presence/Absence of Holder:** ☐
Present = 1 Holder present at time of interview
Absent = 2 Holder temporarily absent for one month or less
Absent = 3 Holder absent, away at School, Training College, etc for full-time education
Absent = 4 Holder absent away elsewhere in Eswatini & visits the household regularly, once or more a month
Absent = 5 Holder absent away elsewhere in Eswatini & visits the household, less than once a month
Absent = 6 Holder absent, away in another country

8. Name of Holder: ____________________

9. Sex of Holder Male ☐ Female ☐

10. Age of Holder ☐ (Completed years)

11. Name of Manager: ____________________

12. Sex of Manager: ☐ ☐ Male Female

13. Age of Manager ☐ (Completed years)

14. Enumerator's Name: ____________________

15. Date of Enumeration: ☐☐☐☐☐☐☐☐

16. Supervisor's Name: ____________________

17. Date of Supervision: ☐☐☐☐☐☐☐☐

SECTION 2. NUMBER OF PEOPLE LIVING IN THE HOLDING

Serial Number	**Name**	**Sex** 1 = Male 2 = Female	**Age in Completed Years**	**Education Level Completed Persons 5 +**	**Present on Holding** 1 = Yes 2 = No
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					

Note: For education completed see page 8 (14). Codes to be used are 1= Iliterate, 2=Literate, 3=Primary, 4=Secondary (Form 1 to Form 5), 5=University,

NUMBER OF PEOPLE LIVING IN THE HOLDING (Cont.)

Serial Number	**Name**	**Sex** 1 = Male 2 = Female	**Age in Completed Years**	**Education Level Completed Persons 5 +**	**Present on Holding** 1 = Yes 2 = No
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					
32					
33					
34					
35					
36					
37					

Note: For education completed see page 8 (14). Codes to be used are 1=Illiterate, 2=Literate, 3=Primary, 4=Secondary (Form 1 to Form 5), 5=University, 6=Post Schooling Training

SECTION 3. IRRIGATION OF THE FIELDS

Method of Irrigation	**Regularly Irrigated Area**
1. Farrow	_ . _ _ _
2. Sprinkler	_ . _ _ _
3. Bucket	_ . _ _ _
4. Other (Specify)	_ . _ _ _

Note: Area should be in 3 decimal points. Please enter zero (0) before the decimal point e.g. .003 should be written as

0	.	0	0	3

SECTION 4. FERTILIZERS AND OTHER CHEMICALS

Name of Chemical	Total Area Treated	Total Quantity	Total Cost (E)
1. Fertilizer (kg)	.		
Fertilizer (ml)	.		
2. Makhabeni (kg)	.		
Makhabeni (ml)	.		
3. Pesticides (kg)	.		
Pesticides (ml)	.		
4. Insecticides (kg)	.		
Insecticides (ml)	.		
5. Herbicides (kg)	.		
Herbicides (ml)	.		

Note: **Area treated should be in 3 decimal points as stated above.**
Quantity and cost should be in whole numbers, e.g. 100.5 kg should be entered as 101 kg and E250.40 should be entered as E250. Please in order to avoid confusion to the data puncher operators; do not enter the zeroes at the end e.g. E250.00 should be entered as E250.

SECTION 5. IMPROVED SEEDS

Code	Name of Crop	Quantity (kg)	Cost (E)
113	Maize (hybrid)		
122	Sweet potatoes		
145	Tobacco		
142	Groundnuts		
131	Beans		
144	Cotton		
181	Other crop (Specify)		

Notes: Quantity and cost should always be rounded into whole numbers. No decimal points. (See above note)

SECTION 6. **!!Read notes below before filling the form**

PRODUCTION, PURCHASES, CONSUMPTION AND SALES (Since last harvest 2008/2009)

Code	Item	Production	Purchases	Purchase Price	Consumption	Sold to NMC	Sold to Neighbours	Sale Price to Neighbours	Other Use	Remaining Stock
1131	Maize in grain (50 kg bag)									
1132	Maize in Mealie-meal (50 kg bag)					x x x				
1133	Maize green (50kg bag)					x x x				x x x
132	Jugo-beans (kg)									
142	Groundnuts (kg)									
136	Cowpeas (kg)									
115	Sorghum (kg)									
9999	Other (kg)									

Notes: **a) Maize in grain (1131), Maize in mealie-meal (1132) and Maize green (1133) should be reported in 50kg bags.**

b) The rest of the products should be reported in kilograms

c) All figures should be rounded into whole numbers, NO DECIMAL POINTS

e.g. 4.5kg → 5kg

10.3kg → 10kg

APPENDIX 5

ESWATINI AGRICULTURE SURVEY 2008/ 2009
FIELD SELECTION WORKSHEET - FOR YIELD MEASUREMENT

E.A. Number: | | | | | | **Name of Enumerator:** ____________________

District: ____________________ **Name of Supervisor:** ____________________

Block Number: | | | | **Checked by:** ____________________

Seq. No.	Holding No.	100% Mz	Mz +Pkns	Mz+ Other	100% Sorg	Sorg +Other	Potatoes	Sweet Potatoes	Beans	Jugobns	Gdnts	Cowps	Cotton
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													
26													
27													
28													
29													
30													

Note: Mz = Maize, Pkn = Pumpkin, Sorg = Sorghum, Jugobns = Jugobeans, Gdnts = Ground nuts, Cowps = Cowpeas

APPENDIX 6
Form AC 2-3-2008/2009

ESWATINI AGRICULTURAL SURVEY 2008/2009
CROP YIELD QUESTIONAIRE (CROP SAMPLE WEIGHT)

Phase II

SECTION 1. IDENTIFICATION

1. District ______________________________

2. Name of Area ______________________________

3. Name of Chief/ Indvuna ______________________________

4. Enumeration Area No. | | | | | |

5. Holding No. | | | |

6. Name of Holder ______________________________

7. Legal Status [ ]
   1. SNL 2. TDL Owner 3. TDL Leaser 4. TDL Settler (Squater)

8. Enumerator's Name ______________________________

9. Date(s) of Enumeration ______________________________

10. Supervisor's Name ______________________________

11. Date of Supervision ______________________________

SECTION 2. AREA UNDER CROPS

Field Number	Field Area	Crop		Date		Number of plants/Hills			Test Weight				Number of plots	*Final Weight Kg (1 decimal point)		Date
						1	2a	2b	1	2	3	4				
		Name	Code	Date Planted	Harvesting	Total	Harvested	Damaged	Kg (1 dec. pt)	Kg (1 dec. pt)	Kg (1 dec. pt)	Kg (1 dec. pt)		Unshelled	Shelled	

1 = Total number of plants or hills in the plot(s)
2a = Number of plants or hills harvested
2b = Number of plants or hills damaged before arrival of enumerator
*** If more than one plot has been harvested in the field, the final weight must be divided by the number of plots.**

SECTION 3. METHOD AND COST OF PLOUGHING

Method	TRACTOR	OXEN	DONKEY	LABOUR
Cost in (E)	Hired: Owned: Borrowed:	Hired: Owned: Borrowed:	Hired: Owned: Borrowed:	Hired: Own:

Note: The cost should be in the whole number. No cents required, e.g. E15.50 should be written as E16. Not E16.00

SECTION 4. AGRICULTURAL WORKERS ENGAGED IN THE HOLDING DURING AGRICULTURAL YEAR 2008/2009

Type of Labour	**Workers from the Homestead**		**Paid Workers from outside the Homestead**	
Sex	**Permanent**	**Temporary**	**Permanent**	**Temporary**
1. Male				
2. Female				
Total				

APPENDIX 7

RANDOM NUMBERS

TWO - DIGIT RANDOM NUMBERS

Column / Row	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	46	73	97	61	65	46	18	18	19	64	23	95	69	41	93
2	08	11	74	47	61	97	27	71	27	31	76	34	60	75	44
3	92	90	00	24	76	90	49	33	92	34	93	70	61	36	96
4	89	17	46	41	11	63	51	38	64	99	77	33	91	11	21
5	06	55	29	42	92	95	51	32	95	55	61	78	68	70	84
6	66	59	55	98	10	19	12	51	02	63	10	34	60	33	06
7	53	63	77	23	55	72	83	43	78	47	94	76	32	56	62
8	33	67	33	67	66	00	61	97	41	41	82	46	59	72	97
9	31	19	28	04	96	52	41	22	78	48	37	48	18	25	08
10	74	05	36	43	43	56	28	41	65	51	97	63	48	29	38
11	92	52	00	29	71	19	86	10	58	15	31	67	51	86	89
12	13	17	21	84	92	00	46	18	47	26	73	70	51	12	84
13	16	31	77	29	04	11	23	03	07	73	58	76	33	79	47
14	86	37	76	59	45	81	84	54	93	25	55	60	30	08	37
15	39	15	76	76	15	74	20	52	69	18	47	76	68	35	69
16	83	00	20	29	01	86	23	59	77	41	69	76	71	08	03
17	89	08	65	61	38	48	63	23	70	74	41	60	18	80	11
18	65	42	67	17	66	85	50	21	68	49	40	80	54	59	69
19	51	42	09	10	54	40	69	77	33	83	61	46	75	75	53
20	54	30	59	35	72	57	76	47	52	11	01	38	04	68	99
21	83	53	12	35	18	49	09	57	28	13	34	28	76	89	86
22	75	60	19	01	74	13	35	84	14	73	85	27	01	99	83
23	72	81	05	70	32	65	76	21	07	19	51	62	11	59	11
24	96	36	59	11	78	16	55	97	66	22	89	98	28	96	86
25	73	19	58	78	62	28	49	91	45	36	86	63	21	52	04
26	52	72	83	27	17	11	58	91	22	80	26	09	92	31	26
27	66	82	18	88	76	58	67	84	93	41	64	37	14	21	59
28	90	09	36	74	05	68	61	64	20	49	57	95	16	42	02
29	14	14	00	88	46	62	08	55	84	35	25	48	68	20	93
30	20	38	00	74	47	39	68	48	14	64	68	21	47	74	97
31	25	19	11	06	99	19	41	25	47	37	37	22	94	85	53
32	13	23	65	25	94	44	28	17	61	70	70	87	30	29	02
33	63	58	93	41	87	15	17	75	32	93	93	10	93	49	01
34	81	00	22	15	99	44	79	27	62	80	80	60	57	62	10
35	48	60	33	12	69	12	60	11	12	24	24	79	25	43	01
36	22	75	07	50	48	40	42	39	75	97	97	03	45	41	49
38	67	66	54	26	93	68	91	92	72	44	44	40	57	69	86
39	16	08	68	22	47	31	83	71	20	90	90	97	37	10	94
40	52	60	19	54	19	34	77	68	46	54	54	58	82	94	45

TWO - DIGIT RANDOM NUMBERS

Column

Row	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**
41	18	71	73	15	95	37	20	30	68	59	88	88	33	49
42	99	77	18	67	54	96	76	02	24	15	87	00	29	23
43	54	07	06	90	16	41	79	08	10	73	12	98	00	05
44	63	45	99	58	58	01	17	41	53	96	05	63	32	01
45	64	30	35	68	39	46	63	03	97	07	42	77	82	38
46	99	68	19	73	70	75	03	97	82	70	91	69	48	76
47	38	96	78	34	03	53	08	86	95	08	57	40	59	78
48	86	19	20	95	61	36	14	66	54	40	37	03	98	66
49	39	52	10	93	69	10	64	40	21	16	88	31	09	12
50	18	82	37	16	40	12	16	14	15	86	43	61	14	43
51	53	11	81	85	62	51	76	45	08	12	14	70	55	28
52	58	19	70	90	99	38	07	16	80	42	36	33	36	39
53	17	99	77	51	56	31	22	02	29	62	91	11	28	48
54	40	27	68	78	36	95	79	13	44	36	57	67	50	06
55	44	41	03	75	12	16	14	58	67	01	42	97	26	29
56	52	24	48	26	48	84	85	61	44	41	71	61	96	04
57	09	61	31	48	67	07	08	08	45	54	81	14	89	38
59	37	62	97	31	41	04	81	95	45	21	28	86	12	53
60	81	82	59	23	24	94	40	93	67	81	85	87	48	48
61	18	25	11	73	11	16	54	24	12	34	40	14	42	67
63	54	63	99	06	93	90	64	94	38	76	28	16	24	17
64	63	81	27	99	22	51	15	87	31	79	17	02	10	75
65	64	48	41	35	33	78	58	99	95	17	79	13	53	27
66	99	22	24	19	07	75	39	69	16	63	60	50	97	11
67	38	25	61	78	37	26	70	48	84	03	42	61	82	39
68	86	67	88	20	31	48	03	06	07	88	09	08	95	26
69	39	16	62	10	54	82	61	93	86	14	91	09	54	92
70	18	52	02	37	68	31	69	47	04	64	03	95	21	71
71	53	71	19	81	19	23	40	19	94	16	77	93	15	68
72	50	77	23	70	15	06	62	37	19	76	30	63	08	59
73	17	07	58	77	67	25	99	96	44	07	02	09	80	15
74	40	45	00	68	90	41	56	41	15	22	08	23	48	73
75	44	30	60	03	58	15	36	01	44	79	41	79	44	96
76	52	68	75	48	68	12	12	46	12	14	03	81	67	07
77	09	96	70	31	73	50	48	75	40	85	97	96	44	70
78	05	19	66	04	34	38	67	08	76	08	86	40	45	08
79	37	52	08	97	95	26	13	36	68	81	66	74	70	40
80	81	82	60	59	93	22	41	10	31	81	40	33	45	16

THREE - DIGIT RANDOM NUMBERS

	Column													
Row	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**
1	220	835	027	013	337	338	376	813	415	049	642	041	935	122
2	938	822	297	420	864	187	771	775	102	605	684	959	446	164
3	290	196	682	628	507	712	206	285	213	047	413	054	533	359
4	429	632	913	866	024	537	833	609	334	441	938	962	074	559
5	682	477	128	265	960	071	798	798	083	156	077	973	607	264
6	661	699	647	738	562	461	882	329	473	538	312	289	749	404
7	510	126	341	079	950	260	284	590	918	139	941	098	484	428
8	215	700	700	517	197	846	382	260	727	783	777	541	271	273
9	263	883	916	709	195	578	301	657	032	839	834	149	041	465
10	607	342	658	785	144	894	832	521	952	351	945	436	444	300
11	414	285	929	048	862	190	797	964	374	156	728	907	844	804
12	210	649	100	979	221	428	328	462	150	207	653	088	303	465
13	686	283	392	642	918	708	957	762	018	400	318	164	012	276
14	049	246	859	729	410	283	646	906	871	676	080	266	565	317
15	777	134	742	982	061	481	676	988	295	911	438	413	911	781
16	926	838	441	730	282	830	936	199	553	793	931	962	136	842
17	834	623	206	933	081	351	236	352	475	590	711	037	120	184
18	852	759	097	902	548	122	737	353	795	692	623	519	015	079
19	123	493	063	125	286	549	513	571	514	901	816	548	101	705
20	313	161	808	464	218	587	581	009	306	851	856	651	247	740
21	602	863	544	745	921	421	987	806	980	077	655	785	110	550
22	271	819	970	737	966	732	076	904	251	023	400	766	544	741
23	815	644	800	560	586	523	467	763	046	798	155	618	626	845
24	638	122	240	454	867	913	505	765	191	222	038	234	999	544
25	794	273	446	307	292	878	453	548	142	637	646	061	413	283
26	207	588	537	215	594	382	897	535	822	331	047	230	766	397
27	175	078	984	377	921	553	460	382	400	601	612	190	159	364
28	128	902	047	916	779	743	663	452	561	585	923	622	305	842
29	499	902	095	228	398	307	176	198	560	552	064	834	744	888
30	421	176	378	614	764	380	972	580	069	979	310	413	677	727
31	938	363	799	616	330	543	293	662	334	893	780	295	349	751
32	403	825	365	528	845	619	897	507	247	052	897	021	426	485
33	017	036	960	586	962	049	251	640	264	331	215	509	993	929
34	832	664	322	767	083	619	620	762	357	387	831	162	664	699
35	369	804	220	188	368	773	249	739	959	448	905	946	485	949
36	024	283	751	414	731	912	734	898	688	424	494	145	154	191
37	061	614	492	439	849	319	458	445	498	593	773	179	200	360
38	130	051	934	049	482	041	468	748	339	402	202	074	737	944
39	503	472	888	495	190	997	088	749	216	200	717	002	605	541
40	848	305	212	704	324	798	069	590	473	463	619	464	443	750

THREE - DIGIT RANDOM NUMBERS

Row	**Column 15**	**16**	**17**	**18**	**19**	**20**	**21**	**23**	**24**	**25**	**26**	**27**	**28**	**29**
41	760	939	849	014	019	533	848	685	616	415	949	293	346	832
42	583	981	352	955	076	025	115	924	659	933	442	276	453	556
43	232	907	087	737	436	053	208	401	246	737	232	820	597	212
44	919	290	701	528	116	455	351	630	903	782	606	200	165	119
45	411	440	275	687	256	470	932	130	035	667	408	627	686	604
46	231	234	857	665	608	606	578	028	906	884	339	087	793	454
47	388	363	633	302	063	821	634	041	261	409	504	822	335	395
48	330	767	694	217	922	446	709	990	412	077	828	547	595	853
49	022	979	613	975	000	932	465	815	720	018	748	286	205	165
50	778	091	688	633	553	935	520	513	347	818	386	031	594	526
51	841	991	163	946	724	474	371	001	533	425	326	680	412	142
52	846	555	251	424	187	496	288	723	334	244	460	083	058	944
53	811	546	915	074	161	941	025	863	983	122	792	551	824	854
54	252	643	397	538	042	375	581	532	052	417	315	009	202	976
55	257	572	515	947	281	988	951	509	937	388	585	140	484	092
56	420	122	761	572	821	567	769	325	005	755	326	148	608	704
57	515	196	387	993	753	249	296	085	404	916	614	418	435	949
58	892	532	321	477	090	973	027	008	183	045	115	396	887	880
59	277	788	472	488	041	198	586	009	998	290	680	744	949	304
60	738	228	466	169	305	864	578	312	291	721	545	531	744	721
61	765	830	524	701	271	609	910	619	283	159	328	451	741	895
62	086	752	172	470	992	735	318	637	147	263	627	551	075	995
63	928	727	314	011	504	076	503	392	075	737	362	133	636	501
64	893	967	374	678	945	355	654	464	665	253	798	930	011	964
65	061	737	159	927	815	549	852	095	454	'187	463	668	870	524
66	667	522	002	588	301	958	159	302	225	413	009	671	033	315
67	538	666	086	774	838	267	523	378	934	747	437	418	056	210
68	338	906	428	328	666	061	821	041	204	494	295	754	072	420
69	316	140	424	874	654	208	277	978	846	834	748	575	825	203
70	743	205	302	665	172	663	947	665	140	118	721	804	829	748
71	929	731	384	674	718	918	857	582	643	136	169	576	861	932
72	137	111	029	161	474	071	784	477	318	737	360	401	129	441
73	160	900	159	776	132	133	921	979	345	197	861	011	795	966
74	864	175	676	611	278	138	197	937	998	225	591	328	086	218
75	392	555	929	692	862	482	191	696	558	367	768	821	356	844
76	835	598	261	001	312	651	291	771	632	807	960	492	098	062
77	897	631	217	555	776	843	384	719	476	416	132	614	803	622
78	653	673	910	766	405	597	164	688	415	498	059	316	598	976
79	512	190	635	996	346	022	155	333	482	354	178	363	753	018
80	548	056	335	943	947	741	848	529	516	643	148	347	681	385

FOUR - DIGIT RANDOM NUMBERS

	Column									
Row	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**
1	1009	0449	0177	6248	2368	5201	2463	8607	8404	4616
2	3754	0054	5162	5162	9826	8947	0518	7732	0929	7029
3	0842	3596	2996	1004	4985	6450	8980	8083	0774	3297
4	9901	5980	5402	2491	4211	3767	4272	8401	9296	1286
5	1280	4605	4673	3325	2916	1573	3909	4969	6541	4021
6	6606	3217	1176	9439	4626	0727	3792	0950	2270	5192
7	3106	6923	4356	8456	6695	5718	1171	8015	7143	5936
8	8526	1956	0998	4489	7367	0516	7587	7214	4827	5462
9	6357	4515	6268	4779	1397	3254	4760	9148	4716	1686
10	7379	9486	3205	4941	1773	5296	1681	8514	1976	6893
11	9852	9808	9145	3376	9475	9052	2402	7686	3467	4586
12	1180	3318	6945	0564	5464	8082	9415	6858	2480	9611
13	8345	8095	4819	5319	0726	2889	3827	7954	2320	3335
14	8868	7975	0737	2909	9145	5075	9612	2040	3831	8360
15	9959	1863	6493	7080	3601	5176	1450	4484	6403	7728
16	6845	7402	6904	1734	9787	4685	5573	7774	3696	0556
17	8012	5417	4452	0545	0520	7270	9933	9953	3530	1595
18	7435	1166	7285	0202	3001	4027	0798	4387	6866	4041
19	6991	4832	1162	3505	3819	2522	2496	8721	9055	4366
20	0989	6907	3783	5303	9436	2256	6379	9837	3580	3488
21	9149	7325	3524	6714	2645	4792	3586	3824	2210	4499
22	8033	2048	9926	3139	3241	9403	4296	8159	5072	8943
23	4410	2689	3153	3406	0696	1574	9303	9354	1374	2015
24	1255	9025	8083	0086	4071	1000	0715	6842	3642	6986
25	6360	7999	8852	4887	2798	5053	6147	2286	9182	9776
26	6119	5747	9005	7417	0277	4574	9850	5241	5864	9776
27	1547	0108	4614	3517	1180	2707	2406	5204	4531	0533
28	9455	9776	5414	1777	3352	9754	5692	5379	4323	5938
29	4248	3321	5149	0366	2831	3488	7048	7246	3693	0229
30	2352	6451	4319	0514	3887	2088	4778	0051	4642	3558
31	3548	2510	5860	9639	7508	9117	9335	5050	3544	9200
32	5240	9638	4829	8188	1403	0402	2391	5277	3754	0823
33	9025	1354	7818	8725	6004	4764	0024	6871	9462	2064
34	1311	9497	5190	9174	6448	4397	4892	2960	6038	7258
35	2366	1440	2893	7405	6517	6877	3647	2347	7793	7317
36	7361	7070	7473	1952	3945	9885	7157	4021	8081	1590
37	3426	6600	7421	6956	3961	7439	2423	1438	3604	1594
38	5748	9215	1045	3909	1904	5247	6806	9628	8846	7459
39	3575	7945	0376	7032	0711	8709	0033	9440	1502	1466
40	8342	8815	8896	0110	2522	0344	5456	5438	0184	2825

FOUR - DIGIT RANDOM NUMBERS

Row	Column 11	12	13	14	15	16	17	18	19	20
41	4509	7259	5130	8839	2176	3282	7556	4299	7611	1171
42	6590	2938	5023	7783	6397	2379	9202	7369	7369	8659
43	0673	3330	8125	5335	0348	4767	9468	8819	2596	1721
44	5975	0665	4746	2455	1134	2097	1823	7236	3165	7264
45	3354	4127	5596	5844	2742	6628	1319	5241	0379	3585
46	7008	3891	7134	8534	7929	7854	1907	4728	6948	7296
47	3228	3868	2748	6373	3441	8133	8447	3229	4893	1459
48	7953	0748	1338	0801	5655	8159	5474	5521	2228	8305
49	2491	4106	7321	4442	2746	6161	4267	5961	1990	0713
50	3589	7610	1385	7901	8952	0039	1421	8852	8657	4764
51	9877	8012	0010	0097	6478	8686	6502	9117	2704	0088
52	5119	4321	4029	5497	7341	6991	3880	4775	5494	6390
53	1721	7119	1254	0207	0668	9327	6512	3314	6992	2756
54	6251	7967	8264	6490	5659	6910	3558	3340	4990	3749
55	1399	3660	1354	4056	0264	6253	0750	9090	0300	9407
56	4433	4053	6387	9910	6991	9358	3606	1180	8513	1036
57	6386	2424	5288	3264	4688	1130	7438	4198	9140	2262
58	5584	5683	5963	6233	5877	4402	3899	8929	2851	9135
59	1856	9416	8506	3741	5197	1739	3615	9105	6950	0111
60	9885	3760	8209	2694	6019	8964	5717	2631	9112	1291
61	4030	1882	5800	3820	7343	8171	5395	9788	0168	8404
62	4137	0458	5080	7174	0976	0130	1506	3487	8855	6131
63	1397	1895	6927	9313	9515	8907	7362	8161	5705	5986
64	1521	7687	4439	6499	2670	4714	1817	8274	2194	6379
65	9073	0164	2675	8331	7377	9571	1310	2722	7069	9245
66	2707	3586	3070	0007	1377	0306	2427	2242	6951	5058
67	6660	3060	4349	6893	8736	0795	3105	3136	7020	4252
68	7883	8404	9081	9640	2452	0695	4136	5245	6673	1507
69	7010	7474	9134	6234	4334	9959	3622	2786	3110	3727
70	6239	4159	4551	6806	8157	4862	7583	0337	6134	6211
71	9404	9088	5449	6361	6928	4201	1994	4205	2919	7295
73	6700	1233	7557	9533	9745	0610	5298	2222	0336	3393
74	6679	1025	9796	6767	0212	6493	0539	2870	6276	5201
75	6089	0246	6343	9511	9108	1368	1427	0720	1768	7421
76	7789	0171	2955	8133	7431	7186	8021	4258	9291	4118
77	8223	5129	4882	7990	7439	8253	9255	3321	3097	8963
78	6002	1715	3191	0538	6743	4237	3440	9292	3885	2852
79	6872	5368	6703	4682	0479	3980	7546	2570	1256	6695
80	7567	4044	1626	9352	5403	8822	1615	0552	3884	4511

APPENDIX 8

MOISTURE PROGRAMME

```
Print "WEIGHT"
Input W
Print "MOISTURE"
Input M
121l00*W => X
Mil OO*W => Y
W- (Y-X) => A
Print "ACTUAL WEIGHT" Print A
```

TRUE WEIGHT

```
Print "WEIGHT"
Input W
Print "MOISTURE"
Input M
If M<12 Goto ERROR
Print "DRY WEIGHT"
Print W-((M-12)/100)*w
Print "FINISHED"
End
Label ERROR
Print "MEASURE MOISTURE AGAIN: CANNOT
BE <12" End.
End.
```

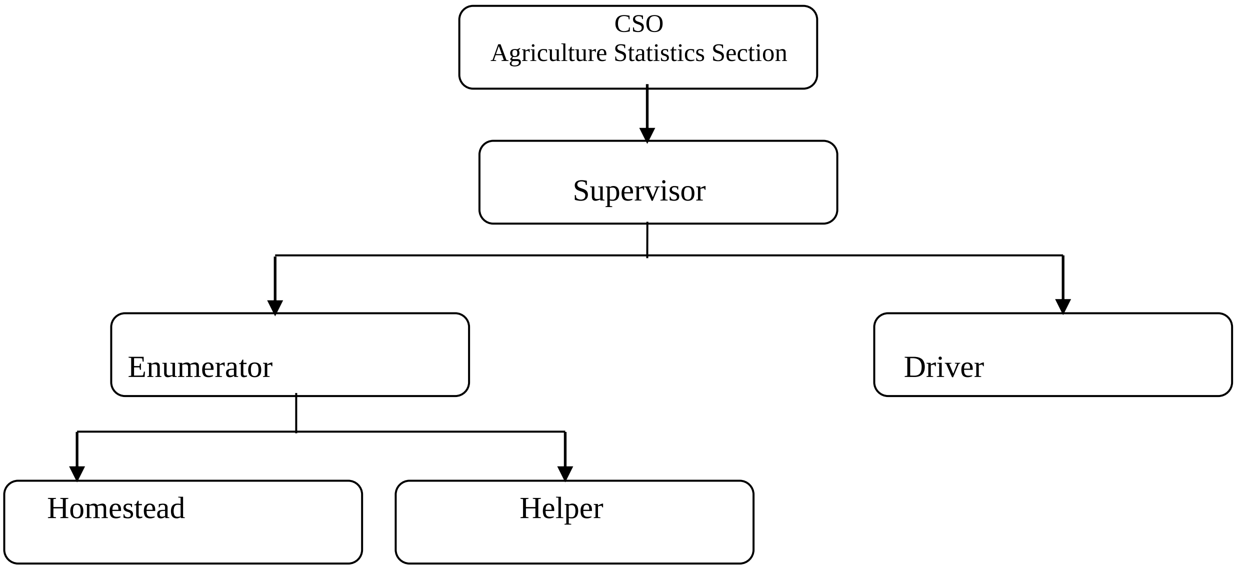
+Print, Input, End, PROGRAM
Label, Goto, If, PROGRAM BRNCH
=> →→→STO
“”→→→PROGRAM

APPENDIX 9
ESWATINI AGRICULTURAL SURVEY 2008/2009 WORK PLAN.

Year	Month	Week	Date	Activity,
2008	Dec.	2	08-12	Listing of First Enumeration Area.
		3	15-19	Listing of second Enumeration Area.
		4	22-26	Listing of Third Enumeration Area – Revisits
		5	29 -31	Area Measurement of First Enumeration Area.
2009	Jan	1	01-02	Area Measurement -First Enumeration Area.
		2	05-09	Area Measurement of Second Enumeration Area.
		3	12-16	Area Measurement Revisits - Second Enumeration Area-
		4	19-23	Area Measurement of Third Enumeration Area
		5	26-30	Area Measurement Revisits - Third Enumeration Area.
2009	Feb	1	02-06	Summary Questionnaires Submission.
		2	09-13	Verify Cultivated crops and fallows.
		3	16-20	Yellow Form
		4	23 -27	Yellow Form
2009	March	1	02-06	Yellow Form
		2	09-13	Yellow Form
		3	16-20	Yellow Form
		4	23-27	Yellow Form
		5	30-31	Yellow Form
2009	Apr	1	01-03	Crop Cutting
		2	06-10	Crop Cutting
		3	13-17	Crop Cutting
		4	20-24	Crop Cutting
		5	27-01	Crop Cutting
2009	May	1	04-08	Crop Cutting
		2	11-15	Crop Cutting
		3	18- 22	Crop Cutting
		4	25-29	Crop Cutting
2009	June	1	01-05	Submission & checking of field questionnaires.
		2	08-12	Submission & checking of field questionnaires
		3	15-19	Returning of camping and working equipment.
		4	22-30	Any other related business.

APPENDIX 10

Figure 1: Eswatini Agriculture Survey 2008/08 Phase II - Fieldwork Organizational Chart



APPENDIX 11
ESWATINI STATISTICS ACT

THE STATISTICS ACT
Date of commencement: 27th October, 1967

An Act to provide for the collection, analysis and publication of statistical information, and-for other matters incidental thereto.

Short Title.
1. This Act may be cited as the Statistics Act, 1967.

Interpretation.
2. In this act, unless the context otherwise requires-

"Authorized Officer" means a public officer or other person employed in connection with any business of the Central Statistical Office;

"Central Statistical Office" means the department responsible for statistics in the Prime Minister's office;.

"Director" means the head of the Central Statistical Officer;

"Minister" means the Prime Minister;

"Person", where it is used in relation to a person furnishing or required to furnish particulars or information under this Act, includes all or any of the individuals constituting a firm or the person having control or management of a partnership business, and, in the case of a company or corporation, association, society or body of persons, includes any director, manager or head (by whatever name called) of such association, body of persons or society;

"Statistics" means -the information which may be collected in connection with and incidental to any census or general statistical surveyor all or any of the matters specified in, or prescribed under, section 3;

"Undertaking" means any undertaking by way of trade or business, whether or not such trade or business is carried on for profit.

(Amended A.16/1969;L.N.53/1970)
Matters as to which statistics may be collected.

3. Subject to this Act and the directions of the Minister, statistics may be collected at such times or during such periods as may be prescribed in relation to all or any of the following-
   a. Population and housing;
   b. Vital social, educational, labour and industrial matters, including rates of wages, cost of living, prices of commodities and rents of habitations;

STATUTES OF ESWATINI

(c) local government;
(d) employment and unemployment;
(e) imports and export;
(f) immigration and emigration;
(g) posts, telegraphs and telephones;
(h) factories, mines and productive industries generally;
(j) agriculture, horticulture, viticulture, dairying and pastoral industries;
(k) banking, insurance and finance;
(1) tenure, occupation and finance;
(m) forestry and fishing;
(n) commercial and professional undertaking;
(0) salaries, wages, bonuses, fees, allowances and any other payments and honoraria for services rendered;
(p) income, earnings, profits and interest;
(q) health;
(r) transport and communications in all forms, and
(s) such other matters as the Minister may prescribe by notice published in the Gazette.

Compilation, analysis, tabulation and publication of statistics.

4. (I) The Director shall cause statistics collected in pursuance of this Act to be compiled analyzed and tabulated and may, subject to this Act and the directions of the Minister, cause statistics or abstracts thereof to be published with or without observations thereon and in such manner as he may determine.

(2) All statistics or abstracts thereof, prepared for publication and any observations thereon, shall be laid on the tables of both Houses of Parliament within fourteen days after the commencement of its next ensuing sitting.

Power to obtain information.

5. (1) for the purpose of enabling statistics to be collected, every person shall to the best of his knowledge, when required by the director or an authorized officer to do so, fill in a form and supply, in accordance with the instructions contained in or accompanying it, the particulars specified therein.

(2) Every person when so required shall, to the best of its knowledge and belief, answer all such questions put to him by the director or an authorized officer as are necessary for obtaining any information required for the collection of statistics.

Access to premises.

6. Any person occupying any land, house, enclosure or other place shall allow the director or an authorized officer such access thereto as he may require for obtaining any information required for the collection of statistics, and shall allow him to paint, mark or affix on or to the property in tile occupation of such person such letters, marks or numbers as may be necessary for the purpose of carrying out his duties under this Act.

Access to public and other records.

7. Notwithstanding any other law, any person having the custody or charge of any public records or documents, or of the records or documents of any local authority, corporation, partnership, firm, company, society, association or person from which, in the opinion of the director, information in respect of or in relation to which the collection of statistics is required can be obtained, or which would aid in the completion or correction of such statistics, shall grant the direction or an authorized officer access to such records or documents for the purpose of obtaining there from such information.

Restriction on publication

8. Except for the purposes of a prosecution under this Act any-

(a) individual return or part thereof, mad~ for the purposes of this Act;

(b) answer given to any question put for the purposes of this Act;

(c) report, abstract or other document, containing particulars comprised in any such return or answers so arranged as to enable identification of such particulars with any person, undertaking or business; shall not be published, admitted ill evidence in any civil or criminal proceedings or shown to any person not employed in the execution of a duty under this Act unless the previous written consent there to has been obtained from the person making such return or giving such answer, or, in case of an undertaking or business, from the owner for the time being of such under taking or business:

Provided that this section shall not prevent or restrict the Publication of any report, abstract or other document without such consent where the particulars in such report, abstract or other document enable identification merely by reason of the fact that the particulars relate to an undertaking or business which is the only undertaking or business within its sphere of activities, if such particulars do not enable the costs of production, the capital employed or profits arising in any such undertaking or business to be identified.

Restriction on disclosure in certain cases.

10. This Act shall not affect or be deemed to affect any enactment relating to the disclosure or non-disclosure of any official, secret or confidential information, evidence or document, and any person required by the director or an authorized officer to supply any information, to give any evidence or to produce any document, shall be entitled, in respect of such information, evidence or document, to plead the same privilege before the director or an authorized officer as before a court of competent jurisdiction.

Letters as to statistics to be transmitted post-free.

11. All letters, parcels and packets and all telegraphic messages relating to statistics transmitted to or by the Direct-or or an authorized officer, shall be free of postal, telegraphic or other charge made by the director of posts and telecommunications of Eswatini, if marked with words: "Statistics - on Government Service".

Punishment of officers for certain acts.

11. (1) Any person, employed in the execution of any duty under this Act, shall be guilty of an offence and liable, on conviction to a fine not exceeding six hundred rand or imprisonment not exceeding two years or both, if he-

(a) puts an improper or offensive question to any person;

(b) knowingly makes a false return or for issue compiles any false statistics or information.'

(c) asks, receives or takes, in respect of or in connection with his employment under this Act from any person, other than an officer of the Government duly authorized thereto, any payment or reward;

(d) by virtue of such employment, becomes possessed of any information which might exert influence upon or affect the market value of any share, interest indirectly uses such information for personal gain; or

(e) divulges or communicates to any person otherwise than in the ordinary course of such of such employment any information furnished in pursuance of this Act;

Offences.

12. (1) A person shall be guilty of an offence and liable on conviction to a fine not exceeding four hundred rand or to imprisonment not exceeding one year, if he-

(a) hinders or obstructs the direction or an authorized officer in the execution of any of their powers under this Act;

Oath of secrecy. (Schedule)

13. (1) Every person employed in the execution of any duty under this Act shall before entering upon his duties make and subscribe before a Commissioner of Oaths or before the director, who is hereby authorized to administer such oath, the oath or affirmation set out in the Schedule.

(2) A person who, in the execution of any duty under this Act, fails to comply with or contravenes any term or condition of his oath or affirmation shall be guilty of an offence and liable on conviction to a fine not exceeding four hundred rand or imprisonment not exceeding one year or both.

SCHEDULE

I,………………..……………………………………...............................do swear
(solemnly affirm) that I will faithfully and honestly fulfil my duties as …..……..……..…………..in conformity
with the requirements of the Statistics Act, NO.14 of 1967, and that I will not disclose or make known any matter or thing which comes To my knowledge by reason of my employment as such, except When authorized so to do for the purposes of such Act.

SO HELP ME GOD
(to be omitted in affirmation)

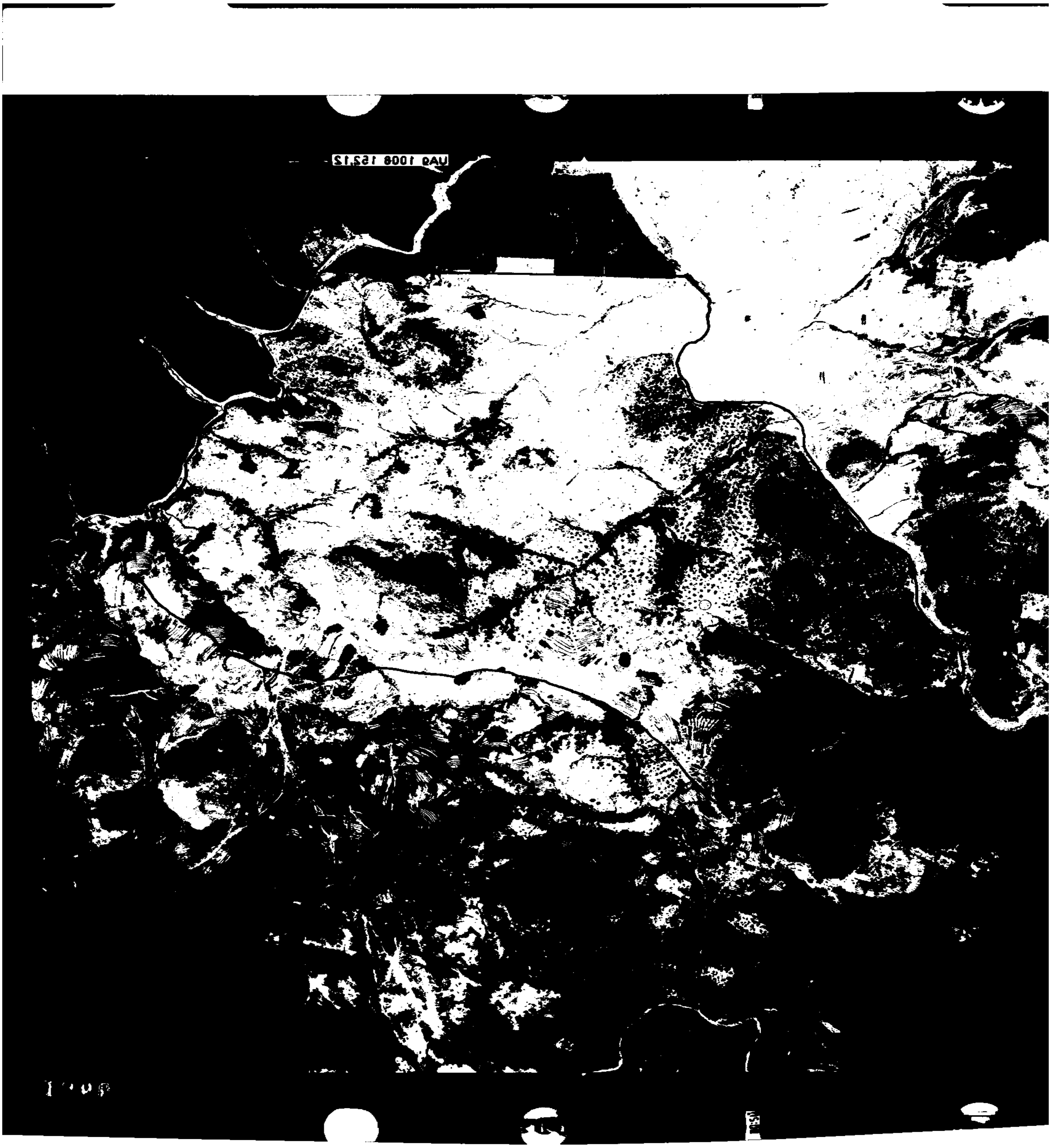
…..

SWORN to (Affirmed) and SIGNED this……………..day of ……………......19 ....

BEFORE ME

....

APPENDIX 12
AERO MAP OF AN ENUMERATION AREA



APPENDIX 13
MAP OF ESWATINI ENUMERATION AREAS