

Appendix IIIa: Smallholder Questionnaire

United Republic of Tanzania							
ACQI	CONFIDENTIAL						
							
Small holder/Small Scale Farmer questionnaire							
Identification <input type="text"/>							
Agricultural Sample Census 2007/2008							
							
							
Enumerator Name Signature							
Date of Enumeration							
<input type="text"/> <input type="text"/> / <input type="text"/> <input type="text"/> / <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> d d m m y y y y	Start Time End Time						
	<table border="1" style="border-collapse: collapse;"> <thead> <tr> <th style="padding: 5px;">Hour</th> <th style="padding: 5px;">Minutes</th> </tr> </thead> <tbody> <tr> <td style="width: 30px; height: 20px;"></td> <td style="width: 30px; height: 20px;"></td> </tr> <tr> <td style="width: 30px; height: 20px;"></td> <td style="width: 30px; height: 20px;"></td> </tr> </tbody> </table>	Hour	Minutes				
Hour	Minutes						
Field level checking by:							
District Supervisor	Name Signature Date / /						
Regional Supervisor	Name Signature Date / /						
National Supervisor	Name Signature Date / /						
<i>! To be filled by the supervisor ONLY after Field/farm level checking of the enumeration process. This should be countersigned by the Supervisor in front of the enumerator</i>							
District checking in Office							
District Supervisor	Name Signature Date / /						
<i>All questionnaires must be checked at the district office.</i>							
For Use at Regional Level Only							
Data entered by:	Name Signature Date / /						
Queried	Name Signature Date / /						
<i>See the back page for details of queries</i>							
<i>Ministry of Agriculture and Food Security, Ministry of Livestock and Fisheries Development, Ministry of Agriculture and Environment of Zanzibar, Ministry of Water and Irrigation, Prime Ministers' Office Regional Administration and Local Government, Ministry of Industry Trade and Marketing, National Bureau of Statistics, and the Office of the Government Statistician General of Revolution Government of Zanzibar</i>							

Definition and working page for page 1

General Definitions

Who is a Smallholder /Small Scale farmer?

Should have one or more of the following: in the 2007/08 farming season had one or more cultivated and planted farms. The farm land may either be owned, rented, borrowed. The farmer may also be raising 1 and 50 head of cattle, and/or between 5 and 100 head of sheep/Goats/Pigs, and/or between 50 and 1000

Household: A group of people who occupy the whole of part one or more housing units and makes joint provision for food and/or other household items. Usually such a group comprises a husband, wife, and their children. Other relatives may be members of the household if they happen to live and get food provisions from the same household. People who live together and eat from the same pot may be considered as members of the same household even if they stay in separate dwellings. An individual who lives and eat alone is considered as an independent household.

Household Head: A person who is acknowledged by all other members of the household either by virtue of his age or standing in the household as the head. He/she should be a permanent resident of the house and he/she is the main person responsible for decision making regarding use of household resources..

Agricultural Holding: This is an economic unit of agricultural production under single management. This unit may have been grown various crops. For the purpose of the survey, the agricultural holdings are restricted to those which meet one of the following conditions:

- Having or operated at least 25 sq meter of arable land
- Own or keep at least one head of cattle or five goats/sheep/five pigs or fifty chicken/ducks/turkeys during the agricultural year 2007/08 (from October 2007 to September 2008).

Question Specific Definitions:

Type of Agriculture holding Codes (Q2.1):

Crops only: A holding is referred to be a crop only holding if it has cultivated at least one piece of land. This also applies to all households owning or have kept livestock whose number does not qualify such households to be an agricultural holding (No cattle, less than 5 goats/sheep/pigs, less than 50 chickens/turkeys/rabbits).

Livestock only: A holding is referred to be a livestock only holding if it has exercised livestock husbandry only during the 2007/08 agricultural year.

NOTE

For agricultural holding only and pastoralist holding only; the number of livestock should be at least one head of cattle, not less than five goats/sheep/pigs, not less than 50 chickens /turkeys /rabbits. This also applies to households having or operated less than 25 sq meter of cultivated land (which does not qualify the household to be considered as agricultural holding) but has the number of livestock that makes the holding qualifies to be considered as livestock holding.

Pastoralist holding: This refers to a household which practices livestock production as its major income generating activity and a means of subsistence, but moves from one place to another searching for water and pasture for the livestock. This movement usually involves long distances and in many cases the whole household unit moves with the livestock and they have no permanent place of residence.

Both crops and livestock: A holding is referred to be a both crops and livestock if it has cultivated a piece of land equal or exceeding 25 sq meter and if such households have own or kept livestock whose number qualify such household be considered as an agricultural holding.

Procedures for questions:

Q 2.1 Type of agriculture household/holding

Using the options under the question classify the type of agriculture household/holding

Note: If the household had an acre of crops and raised 40 chickens during 2007/08, it is classified as 'Crops only' as the number of chickens does not qualify the household as a livestock holding.

1.0 IDENTIFICATION DETAILS		
1.1	Location	Identification <input type="text"/>
Na.	Location Name	Codes
1.1.1	Region	<input type="text"/> <input type="text"/>
1.1.2	District	<input type="text"/>
1.1.3	Ward	<input type="text"/> <input type="text"/> <input type="text"/>
1.1.4	Village	<input type="text"/> <input type="text"/> <input type="text"/>
1.2	Details of the respondent or household head	
Na.		Codes
1.2.1	Name and number of local leader	<input type="text"/> <input type="text"/> <input type="text"/>
1.2.2	Name and number of household head	<input type="text"/> <input type="text"/>
1.2.3	Sex of household head	<input type="text"/> <input type="text"/>
1.2.4	Name of respondent	
1.2.5	Relationship of Respondent to household head	
Relationship to household head codes (Q 1.2.5) Head of Household1 Son /Daughter.....3 Grandson/Granddaughter.....5 No relationship.....7 Spouse.....2 Father/Mother.....4 Other relatives.....6		
2.0	ACTIVITIES OF THE HOUSEHOLD	
2.1	Type of Agriculture Household	<input type="text"/> <input type="text"/>
Household agricultural activities codes(Q 2.1) Crops only.....1 Livestock only2 Pastoralist.....3 Crops and Livestock4		

Definition and working page for page 2
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Question Specific Definitions:

<p>Relation to head (Col 2):</p> <p>Household Head: A person who is acknowledged by all other members of the household either by virtue of their age or standing as the household head.</p>

<p>Read and Write (Col 8)</p> <p>Any other language: Must be a written language.</p> <p>For someone who can read and write in Kiswahili and any other language apart from English, the correct code is 1. For one who can read and write in English and any other language apart from Kiswahili the correct code is 2. Code 4 should only be used for any other language which is not English or Kiswahili.</p>

<p>Education Level Reached (Col 10):</p> <p>Ask the respondent the highest educational level reached. This aims at establishing whether at the time of enumeration the member of the household is studying has completed or has never studied. Make further enquiry for the level of education reached for those who have completed studies. Establish if the member had attained any training after graduation for the purposes for completing column number 9. For those who still continue attending studies during the period of this survey, establish their learning stage. For instance for a household member who studied up to Standard Three but did not complete his/her education at this level, then his/her highest education level reached is Standard Two. For those indicated under code 3 (not studied) in column 8 should be marked code 99 (Not applicable) in column 9.</p>

<p>Section 3.0 Note</p> <p>Make sure that you define the hh proper to ensure that all the members of the hh are included. Ensure that you stress that the hh is not just the hh heads direct family and that it includes other people living and eating together with the family.</p> <p>If you notice that the hh is large or you see many people around the hh and you have been given a smaller number of the hh members, make further enquiries until you are sure that you have captured all the hh members.</p>
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<p>Section 3.0 Household information.</p> <p>ii) For each household member complete columns 1, 2, 3 and 3</p> <p>After completing columns 1, 2, 3 and 3 for each household member, go back to the first household member and complete the remaining columns for that member.</p> <p>iii) Repeat step 2 for the rest of the household members.</p>
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3.0 HOUSEHOLD INFORMATION													
3.1 Give details of personal particulars of all hh members beginning with hh head													
Identification <input type="text"/>													
Na.	Names of hh members (Start with hh Head)	Ex Start with hh Head	Sex M = 1 F = 2	Age (98 years or more enter 97, under one year old write 00)	Marital Status	Parental Survival		Not applicable for children under 5 years					
						Mother	Father	Read and Write	Education status	Level of education attained	On farm engagements	Main activity	Off farm income yes=1 no=2
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>
02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>
03	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>
04	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>
05	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>
06	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>
07	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>
08	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>
09	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>
10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>
11	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>
12	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>
13	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>
14	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>
15	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>
16	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>
17	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>
18	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>
19	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>
20	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>
21	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>
22	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>
23	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>
24	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>
25	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>
26	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>
27	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>
28	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>
29	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>
30	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>
31	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>
32	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>
33	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>

Relationship to household head (Col 2)

Head of household.....1
 Female/Male.....2
 Son/Daughter.....3
 Father/Mother.....4
 Grandson/daughter....5
 Other Relatives.....6

Marrital Status(Col 4)

Married.....1
 Single.....2
 Co-habiting3
 Divorced
 Separated.....4
 Widow/widower.....5

Survival of Parents(Col 6 & 7)

Yes.....1 No2
 Don't know3

Ed. ucation Level(Col 9)

Studying1
 Has completed.....2
 Never been to school3

Reading and writing (Col 8)

Kiswahili.....1
 English2
 Kiswahili and English.....3
 Lugha nyingine.....4
 Cannot read or write.....5

Education Level (Col 10)

Primary education

Below Standard One.....00
 Standard One01
 Standard Two.....02
 Standard Three.....03
 Standard Four.....04
 Standard Five.....05
 Standard Six06
 Standard Seven.....07
 Standard Eight ..08
 Education.....19
 Training after Primary Ed...09
 Pre Form One.....10

Secondary Education

Form One.....11
 Form Two12
 Form Three.....13
 Form Four14
 Form Five15
 Form Six16
 Training after Secondary Ed.....17
 University and other Tertiary Ed...8
 Adult
 Not applicable99

Involvement in farming activities (Col 11)

Works on farm full time.....1
 Works on farm part time.....2
 Rarely works on farm.....3
 Never works on farm.....4

Off-farm Income (Col 13)

These are income made from activities NOT on the HH's farming activities. This can be from formal employment (e.g. in government etc.), temporary jobs, casual labourers and income generation activity and includes working for cash on other people's farms.

Indicate whether each member was involved in an off farm income generating activity during 2007/08

Main activity (Col 12)

Crop farming:01.
 Livestock farming/herding:02.
 Pastoralist03
 Fishing04
 Fish farming05
 Paid employment/
 Government/parastatal.....06
 Private/NGOs07
 Self employee (Off-farm activities)
 - With employees08
 - Without employees09
 Non paid household member (off-farm activities)10.
 Unemployed but available for work11
 Unemployed but unavailable for work..12
 House mother13
 Student14
 Unable to work too old, too young, retired, disabled, child 15
 Others (specify)98

Definitions and working page for page 3

Definitions for Key Specific Questions

Section 4.1 – Land Access/Ownership

These are areas that were used by the households for the 2007/08 farming season

Lease/Certificate of Ownership: Area under lease/certificate of ownership refers to the areas which were issued by the government. The household possesses government issued leasehold title or certificate of ownership. The land will normally be officially surveyed and boundaries marked. This includes leased land bought from others where the lease/certificate of ownership has been transferred.

Customary Law: This refers to the land which the household does not have an official government but its right of use is granted by the traditional leaders.

Bought: This refers to the areas of customary land that has been bought from others. This land does not have an official title and therefore is not leasehold.

Rented from others: Land rented from others for cash or for a fixed amount in crop produce (e.g. fixed number of bags at harvest).

Borrowed: use granted by land owner free of charge. Land owner can either be a lease holder or has right of access through customary law.

Share cropping: where the household is permitted to use land which is then paid for from a percentage of the harvested crop

Section 4.2 Land Use

Temporary crops: are sown and harvested during the same agricultural year

Permanent crops: are crops once sown or planted last for some years and need not to be replanted after each annual harvest.

Permanent crops /mixed crops: This is a mixture of permanent and seasonal crops. The two crops can either be randomly planted together or in a particular pattern e; for example intercropping (1 row of maize and 1 row of beans). A field that has been divided into plots for different crops is not mixed).

This is further subdivided into:

Mixture of Permanent crops – two or more permanent crops grown together

Mixture of Permanent and Temporary crops – permanent crop and annual crop together

Mixture of Temporary crops– two or more temporary, annual crops grown together

Pasture land: this is an area of owned/allocated land which is set aside for livestock grazing. It can be improved pasture where the farmer has planted grass, applied fertilized or where other means have been applied to improve the pasture. Or it can be natural pasture.

Natural Bush: Land which has naturally grown shrubs and trees and is considered productive but is not utilized for farming or livestock production.

Overview to section 4

Overview to section 4

Section 4.0: Preliminary note

Land Access /Ownership

Land access/ownership refers to the area utilized by the members of the household. This does not include communal land where the resources are shared between household members. It does not include official communal land that the household has sole access to for example a plot for crop farming in the communal area.

Procedures for questions

Section 4.0 – Land Ownership

1. Ask the respondent if he knows the total areas of land the household has sole access to. If he knows make a note in the calculation space
2. Ask the respondent the area of the different land ownership categories the household has sole access to (Q4.1, 1 to 4.1.7) and record in the appropriate spaces.
3. Add up the area of the different categories of land and compare it with the total area obtained in step 1 (if the respondent provided the information)
4. If the total area is different find out which one is correct and make

Section 4.2: Land Use

1. Ask the respondent the area of the different land use categories the household has sole access to (Q4.2.1 to 4.2.12) and record in the appropriate spaces.
2. Add up the area of the different categories of land and compare it with the total area obtained in section 4.0. The total area should be the same.
3. If the total area is different find out which one is correct and make amendments where appropriate.

4.0 LAND ACCESS/OWNERSHIP/TENURE		Identification			
4.1 LAND ACCESS/OWNERSHIP/TENURE					
Give details on Area owned by the household during 2007/08 agricultural season.					
Give area as reported by the respondent in acres		Area in Acre			
				4.1.8	Was the whole household area used during the 2007/08 agricultural season? (Yes=1, No=2) <input type="checkbox"/>
4.1.1	Area under certificate of ownership				
4.1.2	Area owned under customary law				
4.1.3	Area bought			4.1.9	Do you consider to have enough land for your household? (Yes=1, No=2) <input type="checkbox"/>
4.1.4	Area rented from others				
4.1.5	Area borrowed from others				
4.1.6	Area share cropped from others			4.1.10	Is there any female who owns land or has customary rights to land ownership in this household? (Yes=1, No=2) <input type="checkbox"/>
4.1.7	Area under other forms of tenure				
Total area					
4.2 LAND USE					
Area used by the household for various agricultural activities during 2007/08 agricultural season					
Enter area as reported by the respondent in acres		Area in acre		Working space for calculations	
4.2.1	Area planted temporary monocrops				
4.2.2	Area planted temporary mixed crops (e.g. maize and beans)				
4.2.3	Area planted permanent monocrops				
4.2.4	Area planted permanent mixed crops (e.g. banana, coffee, trees)				
4.2.5	Area planted permanent and temporary mixed crops (e.g. maize and banana)				
4.2.6	Area under pasture				
4.2.7	Area under fallow				
4.2.8	Area under natural forest				
4.2.9	Area planted trees				
4.2.10	Area rented to others				
4.2.11	Area unsuitable for agriculture				
4.2.12	Uncultivated arable land (minus area under fallow)				
Total area					

Definitions and working page for page 4

Working table for the calculation area for annual mixed crops

Mixed crops 1	(a)	(b)	(c)	(d)	(e)	(f) - (d)/(e)
Crop Name	Total area of mixed (acre)			Area for plants (acre)	Total number of plants	Total area of plants (acre)
Permanent crop 1			0.000			
Permanent crop 2			0.000			
Permanent crop 3			0.000			
Permanent crop 4			0.000			
Total Area for mixed crops						
The remaining area for temp crops						
					% of temporary	Area for permanent crop
Name of the crop temp/permanent 1						
Name of the crop temp/permanent 2						
Name of the crop temp/permanent 3						
Check total area						

Planted Area: Area in acre the household was able to plant

Harvested Area: Area in acre the household was able to harvest a large portion of harvests. This is the same as the area planted minus the area that was destroyed by floods/pets /

Crop Codes/Cereal/Tubers/ Roots:

Code Crop

11 Maize

12 Paddy

13 Sorghum

14 Buriush Millet

15 Finger Millet

16 Wheat

17 Barley

22 Sweet Potatoes

23 Irish Potatoes

24 Yams

25 Cocoyamsi

26 Onions

27 Gingeri

Vegetable Codes:

Code Crop

86 Cabbage

87 Tomatoes

88 Spinach

89 Carrot

90 Chillies

91 Amaranths

92 Pumpkin

93 Cucumber

94 Egg plant

95 Water melon

96 Cauliflower

06 Mellion

05 nyanyachungu

02 Ocra

03 Radish

01 Green Beans

04 Bizari

Cash crop codes:

Code Crop

50 Cotton

51 Tobacco

53 Payrethrum

62 Jute

19 Seaweed

Crop Codes Legumes and Oil Crop

Code Crop

31 Beans

32 Cowpeas

33 Green Gram

34 Chick Peas

35 Dengu

36 Bambara nuts

37 Njegere

41 Sun flower

42 Simsim

43 Ground Us

47 Soya beans

48 Caster Seed

Mixed crops	(a)	(b)	(c)	(d)	(e)	(f) - (d)/(e)
Name of plant	Total area mix (acre)			Area for the plant (acre)	Total of plants	Total area for plants (acre)
Permanent crop 1			0.000			
Permanent crop 2			0.000			
Permanent crop 3			0.000			
Permanent crop 4			0.000			
Total area for mixed crops						
The remaining area for temp crops						
					% of temporary	Area for temporary crop
Name of the crop temp/permanent 1						
Name of the crop temp/permanent 2						
Name of the crop temp/permanent 3						
Check total area						

Instructions for calculating the area of mixed crops in a mixture

A. If the mixed crop is mixed annually only enter the total area of the field in the remaining area under temporary Crop and go to step one of these instructions.

B. If the mixed crop is mixed permanent and annual try to work the percent age taken by the different crops and calculate the area of annual crops outlined in step 1. Otherwise use the number of trees method to calculate the area of annual crops in the mix.

C: Number of trees method to calculate annual crop areas in a permanent-annual crop mix:

(i) List each of the permanent crop in column b and enter the ground area per acre for each permanent crop (from instructions for page 8) in column d.

(ii) Enter the number of permanent trees in the mix in column e as will be provided to you by the respondent

(iii) Calculate the area occupied by each crop by multiplying column d and column e and sum up these to obtain the total area of permanent crops in the mix.

(iv) To obtain the area for temporary crops, subtract (c) the area for permanent crops from the total area of crop mix and enter the result in the total area under temporary crops.

(v) Proceed to step 1 to calculate the area under each temporary crop.

1. Enter the name of each temporary crop in the crop mix and estimate percentages of each crop.

2. **Using the percentage for each crop, calculate the area for each crop from the remaining area under temporary crop.**

3. After completing the exercise for all the fields, sum the area of each crop in the mix plus any monocrops and enter the totals in section 5.1.1 Column 3.

4. **Once the quantity harvested is obtained, calculate the yields (metric tonnes/acre) and compare the figures with the norms given in the crops code box. If there is significantly difference, check the area and the amount harvested.**

Definitions and working page for page 5

Storage (Col. 30, Q 5.1.1):

- **Traditionally Made structures:** The design of storage structures villagers have inherited from forefathers .
- **Improved Traditionally made structures:** The design of traditional storagesructures improved through modern technology.

Marketing Challenges Q 5.1.1 Col. 33:

- **Farmers' Association :** Village farmers who came together and started an association for the purposes of purchasing inputs/selling/storage of crops aiming at fetching better prices.
- **Cooperative Union:** A large inter-village/community set up in the district/ region or at national level for providing inputs, markets and storage of farmers' crops.
- **Government Regulatory laws for crops marketing:** Government instituted laws for regulating transportation and selling of crops.

Inputs (Q 5.1.1)

- Farm Yard Manure:** An organics fertiliser made on farm from animal dung .
- Compost:** An organic fertiliser made on farm from decomposed plant materials.
- Insecticides:** This is the chemical use in protecting plants or killing pests.
- Fungicides:** Protects plants from fungi attack.
- Herbicide:** Chemicals used to control or kills weeds.
- Improved seeds:** Scientifically attested to be suitable for agricultural use.

Working area/calculation space

Questions specific definitions

Q 5.1.1. Instructions on crops storage:

1. For the listed crops establish whether or not the household stored crops for 2007/2008 agricultural season.
2. For the listed crops give explanations on storage.

Crops storage is keeping/reserving crops in a container or a special place for future use.

Q 5.1.1 Col 31

1. For each of crops listed indicate major marketing problems for 2007/2008 agricultural season.

Definitions and working page for page 6

Working table for the calculation area for annual mixed crops

Mixed crops 1	Crop Name	Total area of mixed crops (acre)	Area for plants (acre)	Total number of plants	Total area of plants (acre)
(a)	(b)	(c)	(d)	(e)	(f) = (d) * (e)
Permanent crop 1			0.000		
Permanent crop 2			0.000		
Permanent crop 3			0.000		
Permanent crop 4			0.000		
Total Area for mixed crops					

The remaining area for temp crops

Name of the crop temp/permanent 1	Name of the crop temp/permanent 2	Name of the crop temp/permanent 3	Check total area for temporary crops

Mazao mchanganyiko 2

Name of plant	Total area mix (acre)	Area for the plant (acre)	Total of plants	Total area for plants (acre)
(a)	(b)	(c)	(d)	(e) = (d) * (c)
Permanent crop 1		0.000		
Permanent crop 2		0.000		
Permanent crop 3		0.000		
Permanent crop 4		0.000		
Total area for mixed crops				

The remaining area for temp crops

Name of the crop temp/permanent 1	Name of the crop temp/permanent 2	Name of the crop temp/permanent 3	Check total area for temporary crops

Planted Area: Area in acre the household was able to plant
Harvested Area: Area in acre the household was able to harvest a large portion of harvests. this is the same as the area planted minus the area that was destroyed by floods/ pests /

Temporary/Annual Crops
 Crops planted and harvested within 12 months after which time the plants die. Most annual crops are planted and harvested on a seasonal base.

Cash crop codes:
 Code Crop
 50 Cotton
 51 Tobacco
 52 Payethrum
 53 Jute
 54 Sesweed
 19

Tubers/Roots:
 Code Crop
 11 Cassava
 12 Yams
 13 Sorghum
 14 Bulrush Millet
 15 Finger Millet
 16 Wheat
 17 Barley
 22 Sweet potatoes
 23 Yams
 24 Yams
 25 Coccynal
 26 Onions
 27 Ginger

Vegetable Codes:
 Code Crop
 87 Cabbage
 88 Spinach
 89 Carrot
 90 Chillies
 91 Amaranths
 92 Pumpkin
 93 Cucumber
 94 Egg plant
 95 Water melon
 96 Cauliflower
 97 Broccoli
 05 Mungbean
 05 Mungbean
 02 Ocra
 03 Radish
 01 Green Beans
 04 Biziari

Crop Codes/Cereal/ and Oil
 Code Crop
 31 Beans
 32 Cowpeas
 33 Green Gram
 34 Chick Peas
 35 Dhal
 36 Bambara nuts
 37 Njigene
 41 Sun flower
 42 Sinsim
 43 Ground uts
 47 Soya beans
 48 Castor Seed

Crop Codes Legumes
 Code Crop
 31 Beans
 32 Cowpeas
 33 Green Gram
 34 Chick Peas
 35 Dhal
 36 Bambara nuts
 37 Njigene
 41 Sun flower
 42 Sinsim
 43 Ground uts
 47 Soya beans
 48 Castor Seed

Instructions for calculating the area of mixed crops in a mixture
A. If the mixed crop is mixed annually only enter the total area of the field in the remaining area under temporary crop and go to step one of these instructions
B. If the mixed crop is mixed permanent and annual try to work tyne percent age taken by the different crops and calculate the area of annual crops outlined in step 1. Otherwise use the number of trees method to calculate the area of annual crops in the mix.
C. Number of trees method to calculate annual crop areas in a permanent-annual crop mix:
 (i) List each of tyne permanent crop in column b and enter the ground area per acre for each permanent crop (from instructions for page 5) in column d.
 (ii) Enter the number of permanent trees in the mix in column e as will be provided to you by the respondent
 (iii) Calculate the area occupied by each crop by multiplying column d and column e and sum up these to obtain the total area of permanent crops in the mix.
 (iv) To obtain the area for temporary crops, subtract (i) the area fro permanent crops from three total area of crop mix and enter the result in in the total area under temporary crops.
 (v) Proceed to step 1 to calculate the area under each temporary crop.
1. Enter the name of each temporary crop in tyne crop mix and estimate percentages of each crop.
2. Using the percentage for each crop, calculate the are for each crop from the remaining area under temporary crop.
3. Applying the exercise for all the fields, sum the area of each crop in tyne mix plus any monocrops and enter the total in section 5.1.1 Column 3.
4. Once the quantity harvested is obtained , calculate the yields (metric tonnes/acre) and compare the figures with the norms given in the crops code box. If there is significantly differences check the area and the amount harvested..

Definitions and working page for page 7

Storage (Col. 30, Q 5.2.1):

- **Traditionally Made structures:** The design of storage structures villagers have inherited from forefathers .
- **Improved Traditionally made structures:** The design of traditional storagesrutures improved through modern technology.

Marketing Challenges Q 5.2.1 Col. 33:

- **Farmers' Association:** Village farmers who came together and started an association for the puporses of purchasing inputs/selling/storage of crops aiming at fetching better prices.
- **Cooperative Union:** A large inter-village/community set up in the district/ region or at national level for providing inputs, markets and storage of farmers' crops.
- **Government Regulatory laws for crops marketing:** Government instituted laws for regulating transportation and selling of crops.

Inputs (Q 5.2.1)

- Farm Yard Manure:** An organics fertliser made on farm from animal dung. .
- Compost:** An organic fertliser made on farm from decomposed plant materials.
- Insecticides:** This is the chemical usde in protecting plants or killing pests.
- Fungicides:** Protects plants from fungi attack.
- Herbicide:** Chemicals used to control or kills weeds.
- Improved seeds:** Scientifically attested to be suitable for agricultural use.

Questions specific definitions

Q 5.2.1. Instructions on crops storage:

1. For the listed crops establish whether or not the household stored crops for 2007/2008 agricultural season.
2. For the listed crops give explanations on storage.

Crops storage is keeping/reserving crops in a container or a special place for future use.

Q 5.2.1 Col 33

1. For each of crops listed indicate major marketing problems for 2007/2008 agricultural season.

Working area/calculation space

Definitions and working page for page 8																																																																									
<p>Permanent Crops: These are crops once planted last longer in the farm and need not be replanted after each annual harvest. Most of the permanent plants include trees such as coconut trees, apple trees, grape trees, banana trees, pineapple trees etc.</p>	<p>Permanent crops:</p> <table border="1"> <thead> <tr> <th>Code</th> <th>Crop</th> <th>Area per crop</th> </tr> </thead> <tbody> <tr><td>70</td><td>Passion Fruit</td><td>0.00074</td></tr> <tr><td>71</td><td>Bananas</td><td>0.00037</td></tr> <tr><td>72</td><td>Avocado</td><td>0.00099</td></tr> <tr><td>73</td><td>Mango</td><td>0.00099</td></tr> <tr><td>74</td><td>Pawpaw</td><td>0.00037</td></tr> <tr><td>76</td><td>Orange</td><td>0.00074</td></tr> <tr><td>77</td><td>Grape fruit</td><td>0.00074</td></tr> <tr><td>78</td><td>Grape</td><td>0.00012</td></tr> <tr><td>79</td><td>Mandarin</td><td>0.00074</td></tr> <tr><td>80</td><td>Guava</td><td>0.00074</td></tr> <tr><td>81</td><td>Plums</td><td>0.00074</td></tr> <tr><td>82</td><td>Apples</td><td>0.00074</td></tr> <tr><td>83</td><td>Peaches</td><td>0.00074</td></tr> <tr><td>84</td><td>Mifyo</td><td>0.00074</td></tr> <tr><td>85</td><td>Lime/lemon</td><td>0.00074</td></tr> <tr><td>68</td><td>Pomelo</td><td>0.00099</td></tr> <tr><td>69</td><td>Jack Fruit</td><td>0.00074</td></tr> <tr><td>97</td><td>Durian</td><td>0.00074</td></tr> <tr><td>98</td><td>Blitmbi</td><td>0.00074</td></tr> <tr><td>99</td><td>Rambutan</td><td>0.00074</td></tr> <tr><td>67</td><td>Bread Fruit</td><td>0.00099</td></tr> <tr><td>38</td><td>Malay apple</td><td>0.00074</td></tr> <tr><td>39</td><td>Star Fruit (Sakua)</td><td>0.00074</td></tr> </tbody> </table>	Code	Crop	Area per crop	70	Passion Fruit	0.00074	71	Bananas	0.00037	72	Avocado	0.00099	73	Mango	0.00099	74	Pawpaw	0.00037	76	Orange	0.00074	77	Grape fruit	0.00074	78	Grape	0.00012	79	Mandarin	0.00074	80	Guava	0.00074	81	Plums	0.00074	82	Apples	0.00074	83	Peaches	0.00074	84	Mifyo	0.00074	85	Lime/lemon	0.00074	68	Pomelo	0.00099	69	Jack Fruit	0.00074	97	Durian	0.00074	98	Blitmbi	0.00074	99	Rambutan	0.00074	67	Bread Fruit	0.00099	38	Malay apple	0.00074	39	Star Fruit (Sakua)	0.00074
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<p>Number of mature plants: A total of fruit bearing tress (e.g. mango trees, orange trees, avocado trees e.t.c).</p>	<p>Permanent crops (Cash crops)</p> <table border="1"> <thead> <tr> <th>Code</th> <th>Crop</th> <th>Area per crop</th> </tr> </thead> <tbody> <tr><td>53</td><td>Sisal</td><td>0.00012</td></tr> <tr><td>54</td><td>Coffee</td><td>0.00049</td></tr> <tr><td>55</td><td>Tea</td><td>0.00037</td></tr> <tr><td>56</td><td>Cocoa</td><td>0.00049</td></tr> <tr><td>57</td><td>Rubber</td><td>0.00099</td></tr> <tr><td>58</td><td>Wattle</td><td>0.00099</td></tr> <tr><td>59</td><td>Kapok</td><td>0.00124</td></tr> <tr><td>60</td><td>Sugar-cane</td><td>0.00012</td></tr> <tr><td>61</td><td>Cardamon</td><td>0.00049</td></tr> <tr><td>63</td><td>Tamarin</td><td>0.00099</td></tr> <tr><td>64</td><td>Cinamon</td><td>0.00124</td></tr> <tr><td>65</td><td>Nutmeg</td><td>0.00099</td></tr> <tr><td>66</td><td>Clove</td><td>0.00074</td></tr> <tr><td>18</td><td>Black pepper</td><td>0.00037</td></tr> <tr><td>34</td><td>Pigeon Peas</td><td>0.00025</td></tr> <tr><td>21</td><td>Cassava</td><td>0.00019</td></tr> <tr><td>75</td><td>Pineapple</td><td>0.00006</td></tr> <tr><td>86</td><td>Lemon Grass</td><td>0.00006</td></tr> </tbody> </table>	Code	Crop	Area per crop	53	Sisal	0.00012	54	Coffee	0.00049	55	Tea	0.00037	56	Cocoa	0.00049	57	Rubber	0.00099	58	Wattle	0.00099	59	Kapok	0.00124	60	Sugar-cane	0.00012	61	Cardamon	0.00049	63	Tamarin	0.00099	64	Cinamon	0.00124	65	Nutmeg	0.00099	66	Clove	0.00074	18	Black pepper	0.00037	34	Pigeon Peas	0.00025	21	Cassava	0.00019	75	Pineapple	0.00006	86	Lemon Grass	0.00006															
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<p>Instructions for permanent monocrops and crop mix: A. For a field with permanent monocrop enter farm size in column 3. B. For a field with a permanent crop mix or a temporary crop mix, enter the number of trees only in column 4. C. For a field with a permanent crop mix /temporary annual crops , either: -Enter the area in column 4, if the total area for permanent crops was obtained through calculation of percentages of each crop OR -Enter the number of tree in column 5, if the number of plants/ seedlings of permanent crops was excluded</p>	<p>21 Cassava: Cassava is a temporary crop. in order to simplify data collection on areas of production, data on cassava will be collected from areas under permanent crops.</p>																																																																								

Definitions and working page for page 9

Storage (Col. 33, Q 5.3.1):

- **Traditionally Made structures:** The design of storage structures villagers have inherited from forefathers .
- **Improved Traditionally made structures:** The design of traditional storagesrutures improved through modern technology.

Marketing Challenges Q 5.3.1 Col. 35:

- **Farmers' Association:** Village farmers who came together and started an association for the puporses of purchasing inputs/selling/storage of crops aiming at fetching better prices.
- **Cooperative Union:** A large inter-village/community set up in the district/ region or at national level for providing inputs, markets and storage of farmers' crops.
- **Government Regulatory laws for crops marketing:** Government instituted laws for regulatina transportation and selling of crops.

Inputs (Q 5.3.1)

- Farm Yard Manure:** An organics fertiliser made on farm from animal dung. .
- Compost:** An organic fertiliser made on farm from decomposed plant materials.
- Insecticides:** This is the chemical usde in protecting plants or killing pests.
- Fungicides:** Protects plants from fungi attack.
- Herbicide:** Chemicals used to control or kills weeds.
- Improved seeds:** Scientifically attested to be suitable for agricultural use.

Questions specific definitions

Q 5.3.1. Instructions on crops storage:

1. For the listed crops establish whether or not the household stored crops for 2007/2008 agricultural season.
2. For the listed crops give explanations on storage.

Q 5.3.1 Col 35

1. For each of crops listed indicate major marketing problems for 2007/2008 agricultural season.

Working area/calculation space

Definitions and working page for page 10

Investment in agriculture

Investment activities:

Investment activities refer to medium to long term farm development structures and projects. This can be irrigation structures, erosion control and water harvesting structures or other permanent or semi-permanent investment made on the land that the household owns.

Irrigated farming: Section 6.5:

Source of irrigation water (Col 1): The main source of the water used for irrigation.

Method of obtaining water (Col 2): The mechanism by which the water is extracted from the source

Irrigatable area (Col 3): The area the irrigation system is designed to cover in acreage

Area of irrigated land during the 2007/08 (Col 5): Area of land under irrigation during the 2007/08 agricultural year. This is the actual area and NOT the cumulative areas recultivated in 2 or more cropping seasons.

Farm Implements (Col. 1):

Machette : Include all implements use in tree cutting namely cicle, etc.

Sprinkler: The pump carried on the back or a hand used water pump

Hand used small tractor: A small tractor used in cultivation while the user walks on foot (see photo).



Section 6.2 Use of draft animals

Animals used in agricultural activities by the household during 2007/08 agricultural season.

Castrated Bulls: Castrated oxen meant for use in agricultural production.

Uncastrated Bulls: mature bulls used for garicultural activities but are not castrated.

Cow: Farmers also use mature female cattle in agricultural activities due to shortage of bulls

Donkey: Mature Male or female donekys are also used for agricultural production.

Q 6.5 Irrigation.

1. If a household uses irrigated farming give explanations aon source and method of obatining water. .

2. **See Col 10, Q. 5.1.1 and 5.2.1 and Col 12, Q 5.3.1** to see if irrigation was applied to any crop.

Farm implements, Q 6.1:

1. Collumn 2 Indicate whether or not inputs were used

2. Complete collumn 3 by entering the number of inputs used.

Farm inputs: Sections 6.3 and 6.4

1. Collumn 2 Indicate whether or not inputs were used.

2. Compelte collumn 3 by indicating where the inouts were obatined and collumn 4 by indicating the distance from where the inputs were obatined

Compost: An organic fertiliser made on farm from decomposed plant materials.

Insecticides: This is the chemical use in protecting plants or killing pests.

Fungicides: Protects plants from fungi attack.

Herbicide: Chemicals used to control or kills weeds.

Improved seeds: Scientifically attested to be suitable for agricultural use.

Definitions and working page for page 11

Q 6.6

The type of erosion contro/Water harvesting (Col 1)

Terraces: Structures constructed on mountain slopes to provide flat terrain for crop planting.

Erosion control bunds: these are bunks of earth/stones built perpendicular to the slope to slow down the speed of water and thus preventing soil erosion. Its differs from terraces in that the soils on these banks are not at ground level .

Gabions: A box like structure made of wire and filled with large stones to prevent gully erosion.

Sand bags: Are used in controlling and preventing gully erosion
Tree belt/wind breaks: Trees planted against the wind direction for breaking wind speed..

Section 7.0 Acces to credit for crop or livestock production

Credit refers to something provided in cash or in kind (such as farm inputs, machines, livestock and other things) for crop or livestock production. The value of the credit must be repaid back to the lender. An Interest may or may not be attached to the value of the credit

The credit may be repaid either in cash or through farm produce to be harvested .

In this question the enumerator is at liberty to inquire up to three sources of credit where the farmer accessed credit from more than one source.

Section 8.0 Agricultural Extension Services

Agricultural Extension Services: Refers to educational services provided to farmers by exetsion officers for the purposes of increasing crop and livestock production.

Share-cropping: Refers to farming where smallholder / Smallscale farmer enters into an agreement with large scale farmer where the former sells produce to the latter in exchange of provisions of farm inputs and the like. .

Contract farming Farming: Farming agreement entered between smallscale and large scale farmerswith regards to markets of farm produce and provision of farm inputs

Q 6.6 Number of water harvestin structures and year of construction

1. The number water haversting structures refers to the number of wokring / maintained structures and does not include derelict or iireparable structures.

2. Year of construction refers to the year in which the structures were built, and not the year the structures were last repaired.The year should be written in figures e.g. 1998, 2006.

Section 7.0 Source of agriculture credit

If tghe farmer obtained credit from more than one source the use the code from the list provided. Start with the main source of credit in Section "7.1.1".a

Section 8.0 Agricultural extension services

1. Ask if the household did receive agricultural extension services during 2007/08 agricultural season from the respondents listed in collumn 1, then enter collumn 2.

2. Complete all columns for every extension officer.

6.6 SOIL EROSION							Identification <input type="checkbox"/>			
6.6.1 Did the household experience soil erosion during 2007/08 agriculture year? (Yes-1, No-2)							<input type="checkbox"/>			
6.6.2 Did the household applied any methods for erosion contro/water harvesting during 2007/08 agricultural year? (Yes-1, No-2) (If the answer is No, Proceed to Section 7.0)							<input type="checkbox"/>			
No.	Mechanisms of controlling erosion/ Water harvesting (1)	Number of water harvesting (2)	Year of construction (3)		Type of erosion control/water harvesting (1)	Number of water harvesting (2)	Year of construction (3)			
6.6.3	Terraces	<input type="checkbox"/>	<input type="checkbox"/>		6.6.7 Tree belt	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
6.6.4	Bunks for erosion control	<input type="checkbox"/>	<input type="checkbox"/>		6.6.8 Soil bunks of water harvesting	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
6.6.5	Gabions/sand bags	<input type="checkbox"/>	<input type="checkbox"/>		6.6.9 Trenches	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
6.6.6	Veitva leaves	<input type="checkbox"/>	<input type="checkbox"/>		6.6.10 Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
7.0 ACCESS TO ON FARM CREDITS										
7.1 Is there any household member who accessed on farm credit during 2007/08 agriculture year? Yes-1, No-2 (If answer is NO, Proceed to Section 7.2)							<input type="checkbox"/>			
SELECT UP TO THREE SOURCES AND PROCEED TO QUESTIONA 8.0							Source of credit			
(Source of credit Q 7.1.1, 7.1.2, 7.1.3) Relative.....1 Saccos.....4 NGO/Development projects.....7 Bank.....2 Busineman/Shop.....5 Cooperative Union.....3 Private individuals.....6 Other.....9							7.1.1a	7.1.2a	7.1.3a	
							Credit provided to (Male=1, Female=2)			7.1.1b
7.2 IF THE ANSWER TO QUESTION 7.1 IS NO							<input type="checkbox"/>			
Give reasons for not accessing credit										
(Reasons for not accessing credit Q 7.2.1COL) Not required1 Did not to be indebted.....3 Did nott know how to access credit.....5 Credit delayed.....7 Did not credit existed.....9 Not available2 High interest rates.....4 Bureaucracy.....6 Other (Specify).....8										
8.0 ADVISORY SERVICES IN AGRICULTURE										
8.1 Did the household participate in outgrowers scheme during 2007/08 agriculture year? (Yes-1, No-2)							<input type="checkbox"/>			
8.2 Did the household participate in the contract farming during 2007/08 agriculture year? (Yes-1, No-2)							<input type="checkbox"/>			
8.3 Did your household receive agricultural advise on the following : (IF THE ANSWER IS NO IN COL 2 PROCEED TO THE FOLLOWING QUESTION)										
No.	Advise on agriculture (1)	Received advise (Yes-1, No-2)		Source of advise						
		(2)	(3)	(3)	(3)					
8.3.1	Spacing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
8.3.2	Use of agrochemicals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
8.3.3	Soil erosion control	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
8.3.4	Use of organic manure	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
8.3.5	Matumizi ya mbolea za viwandani	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
8.3.6	Use of improved seeds	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
8.3.7	Use of modern farm implements	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
8.3.8	Irrigation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
8.3.9	Crop Storage	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
8.3.10	Pest control	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
8.3.11	Other (Specify)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
(Source of agricultural advies Col. 3) Government.....1 NGO/Development project.....2 Cooperative...3 Large Scale farmer...4 Radio/Newspapers...5 Neighbour.....6 Other source.....8										

Definitions and working page for page 12

Q 9.1 and 9.3 : What is required is to establish whether or not the household kept or raised the listed livestock during 2007/08 agricultural season (i.e. from October 2007 to September 2008). Also to establish the number of livestock as of 1st October 2008

Keeping or raising livestock is to keep livestock at home while providing the livestock with animal feeds and medication and other services. The livestock could be owned by the farmer or kept on behalf of relatives or neighbours .

Sections 9.1.1 to 9.1.7 Cattle

Note:

Q 9.1 is for the actual number of cattle owned or kept by the household (as of 1st October 2008). This number does not include herds of cattle kept on behalf by relatives or neighbours; that is, the cattle outside the residential area of the household under survey.

1. If the the household keep mature fecund female cattle, it is expected that such a household will have calves which will be entered in question 9.1.6 or 9.1.7

Type of cattle (section 9.1.1 to 9.1.7)

Bull: Mature uncastrated male cattle used for breeding

Cow: Mature female cattle that has given birth at least once

Ox: Castrated male cattle used for farm work

Steer: Castrated male cattle used for meat

Heifer: Female cattle of 1 year up to the first calving

Section 9.3 Goat

Note:

Question 9.3 is for the actual number of owned or raised by the household (as of 1st October 2008) This number does not include goats kept on behalf by relatives or neighbours, that is the goat outside the residential area of the household under survey.

1. If the household has she goats, you would normally expect them to have kids

Type of Goat (Qs 9.3.1 to 9.3.5)

Billy Goat (he-goat): Mature Uncastrated male goat used for breeding

Castrated goat: Male goat that has been castrated

She Goat: Mature female goat over 9 months of age

9.0	LIVESTOCK (LIVESTOCK AND FISH)					Identification <input type="text"/>				
9.1	CATTLE					Did your household keep or raise cattle during 2007/08 agriculture year? Yes=1, No= 2 (If the answer is No proceed to Section 9.3) <input type="text"/>				
Number of cattle as of 1.10.2008										
No.	Type of cattle	Number of indigenous cattle (2)	Number of improved cattle		Total (5)					
			for meat (3)	Dairy (4)						
9.1.1	Castrated bulls	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>					
9.1.2	uncastrated bulls	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>					
9.1.3	Cows	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>					
9.1.4	Steers	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>					
9.1.5	Heifer	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>					
9.1.6	Male calves	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>					
9.1.7	Female calves	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>					
Grand total					<input type="text"/>					
9.1.8	What main methods do you use to identify your cattle? <input type="text"/>									
Cattle identificatio methods Iron stamp (chapa moto).....1 Throat....2 Ear/tail cutting.....3 Colour.....4 Earrings...5 Other8										
9.2	Milk production: CATTLE									
Na.	Season (1)	Type of cattle (2)	Number of milked cows (3)	Average of milk per cow per day (litre) (4)	Average number of days which your cows were milked (5)	Average price per litre per season (6)				
9.2.1	Rainy	Improved	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>				
9.2.2		Indigenous	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>				
9.2.3	Dry	Improved	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>				
9.2.4		Indigenous	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>				
9.3	GOAT									
Did your household keep or raise cattle during 2007/08 agriculture year? Yes=1, No= 2 (If the answer is No proceed to Section 9.3) <input type="text"/>										
Number of goats as of 1.10.2008										
Na.	Type of goat (1)	Number of indigenous goat (2)	Number of improved		Total (5)					
			for meat (3)	Dairy (4)						
9.3.1	Male uncastrated goat	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>					
9.3.2	Male castrated goat	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>					
9.3.3	She goat	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>					
9.3.4	Male kid	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>					
9.3.5	She kid	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>					
Grand total					<input type="text"/>					
Milk Production: GOAT										
Na.	Season (1)	Number of ilked goats (2)	Average of milk per goat per day (litre) (3)	Average number of days which your she goats were milked (4)	Average price per litre per season (5)					
9.3.6	Rainy	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>					
9.3.7	Dry	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>					

Definitions and working page for page 13

Q 9.1 and 9.3 : What is required is to establish whether or not the household kept or raised the listed livestock during 2007/08 agricultural season (i.e. from October 2007 to September 2008). Also to establish the number of livestock as of 1st October 2008

Keeping or raising livestock is to to keep livestock at home while providing the livestock with animal feeds and medication and other services. The livestock could be owned by the farmer or kept on behalf of relatives or neighbours .

Sections 9.4 Sheep

Note:

Q 9.4 is for the actual number of sheep owned or kept by the household (as of 1st October 2008). This number does not include sheep kept on behalf by relatives or neighbours; that is, the sheep outside the residential area of the household under survey.

1. If the the household keep ewes, it is expected that such a household will have calves which will be entered in question 9.1.6 or 9.1.7

Type of Sheepe (Section 9.4.1 to 9.4.5)

Ram: Mature Uncastrated male sheept used for breeding

Castrated sheep: Male sheep that has been castrated

Ewe: Mature female sheep over 9 months of age

Lamb: Young sheep under 9 months of age.

Section 9.5 Pigs

Note:

Question 9.3 is for the actual number of pigs owned or raised by the household (as of 1st October 2008). This number does not include pigs kept on behalf by relatives or neighbours, that is the cattle outside the residential area of the household under survey. .

1. If the household has she goats, you would normally expect them to have kids in column

Type of Pigs (Qs 9.5.1 to 9.5.5)

Boar: Mature Uncastrated male pig used for breeding

Sow: Mature female pig that has given birth to at least one litter of pigs.

Gilt; Female pig of over 3 months up to the first farrowing

Piglet: Young pig less than 3 months of age

		Identification			
9.4 SHEEP					
Did your household keep or raise cattle during 2007/08 agriculture year? Yes=1, No=2 (If the answer is No proceed to Section 9.5)					
Number of sheep as of 1.10.2008					
Na.	Type of sheep	Number of indigenous sheep	Number of improved	Total	
	(1)	(2)	(3)	(5)	
9.4.1	Ram				
9.4.2	Castrated sheep				
9.4.3	She sheep				
9.4.4	Male lamb				
9.4.5	Female lamb				
					Grand total
9.5 PIGS					
Did your household keep or raise cattle during 2007/08 agriculture year? Yes=1, No=2 (If the answer is No proceed to Section 9.6)					
Number of pigsp as of 1.10.2008					
Na.	Type Pigs	Number of pigs			
	(1)	(2)			
9.5.1	Boar				
9.5.2	Castrated male				
9.5.3	Sow/Gilt				
9.5.4	Male piglet				
9.5.5	Female piglet				
					Grand total
9.6 OTHER LIVESTOCK					
Number of eggs					
2007/08 agriculture year					
Type of animal		Number as of 1 October 2008	Number of eggs		
		(2)	(3)		
9.6.1	Local chicken				
9.6.2	Layers				
9.6.3	Broilers				
9.6.4	Ducks				
9.6.5	Guinea pigs				
Type of animal		Number as of 1 October 2008	Number of Eggs		
		(2)	(3)		
9.6.6	Turkeys				
9.6.7	Rabbit				
9.6.8	Donkeys				
9.6.9	Horses				
9.6.10	Dogs				

Definitions and working page for page 14

Control of livestock diseases causing bugs

Livestock worm control medicine: Medicine used to kill or control livestock on livestock . It is often used for cattle, goats, sheep and pigs.

Tiick: Is a dangerous bug that sucks blood form livestock and transmits animals diseases from one to the other animal.

Tse tse fly: A fly like bug that sucks blood from livetsock and transmits diseases sleewping sickness from one to the other animal.

Livestock advice (Section 9.8)

IA service provided by extension officers to livestock keepers for increasing livestock production.

9.7 LIVESTOCK DISEASES AND PEST CONTROL		Identification		
Did you livestock during 2007/08 agriculture year? (Yes=1, No=2) (If the answer is No proceed to Section 9.7.5)		<input type="checkbox"/>	<input type="checkbox"/>	
Which animals did your deworm? (Yes=1, No =2, Not applicable=3 in the relevant box)		<input type="checkbox"/>	<input type="checkbox"/>	
9.7.1 Cattle <input type="checkbox"/>	9.7.2 Goat/Sheep <input type="checkbox"/>	9.7.3 Pigs <input type="checkbox"/>	9.7.4 Poultry <input type="checkbox"/>	
9.7.5 Do you experience tick problem with your livestock? (Yes =1, No = 2, Not applicable 3)		<input type="checkbox"/>	<input type="checkbox"/>	
9.7.6 How did you control tick problem? Control method (Q. 9.7.6): Dipping.....1 Spaying.....2 Application of medicine on back bone.....3 None..4 Other.....8		<input type="checkbox"/>	<input type="checkbox"/>	
9.7.7 Do you experience Tse tse problem with your livestock? (Yes =1, No = 2, Not applicable 3)		<input type="checkbox"/>	NOTE : If answers to Qs 9.1 to 9.6 is No (THAIS THE HOUSEHOLD DOES NOT RAISE LIVESTOCK,) Proceed to q 9.9	
9.7.8 How did you control Tse tse problem with your livestock? Control method (Q. 9.7.8): Dipping.....1 Spaying.....2 Traps.....3 None..4 Other.....8		<input type="checkbox"/>		
9.7.9 Do you experience Newcastle disease problem with your poultry? (Yes =1, No = 2, Not applicable 3)		<input type="checkbox"/>		
9.7.10 How do you control Newcastle disease problem with your poultry? Control/curative methods (Q. 9.7.10) Vaccination..1 Herbs...2 None..3		<input type="checkbox"/>		
9.7.11 Did you experience Fowl Typhoid with your poultry? Yes=1, No=2 , Not applicable=3		<input type="checkbox"/>		
9.7.12 How did you control/ cure Fowl Typhoid with your poultry? Control/curative methods (Swali 9.7.12) Vaccination..1 Herbs...2 None..3		<input type="checkbox"/>		
9.7.13 Were your cattle vaccinated against the following diseases? (Yes = 1, No = 2, Not applicable=3). 9.7.13 A:Foot and Mouth diseases <input type="checkbox"/> 9.7.13B: Skin disease <input type="checkbox"/>		<input type="checkbox"/>		
9.8 Extension services on livestock				
Did you receive the following extension advice on the following? (IF THE ANSWER IS NO IN COL 2 PROCEED TO THE FOLLOWING QUESTION)				
No.	Livestock extension advice (1)	Received Extension advice (Yes=1, No=2) (2)		Source of Extension (3)
9.8.1	Feed and better feeding methods	<input type="checkbox"/>	<input type="checkbox"/>	
9.8.2	Improved livestock shed (Goat, Dairy cattle, Poultry and pigs)	<input type="checkbox"/>	<input type="checkbox"/>	
9.8.3	Milking and hygiene	<input type="checkbox"/>	<input type="checkbox"/>	
9.8.4	Cattle fattening	<input type="checkbox"/>	<input type="checkbox"/>	
9.8.5	Livestock diseases control	<input type="checkbox"/>	<input type="checkbox"/>	
9.8.6	Livestock keeping in line with land availability	<input type="checkbox"/>	<input type="checkbox"/>	
9.8.7	Pasture establishment and maintenance	<input type="checkbox"/>	<input type="checkbox"/>	
9.8.8	Forming and strengthening groups/cooperatives	<input type="checkbox"/>	<input type="checkbox"/>	
9.8.9	Calf rearing	<input type="checkbox"/>	<input type="checkbox"/>	
9.8.10	Basics of production and use of improved bulls (AI)	<input type="checkbox"/>	<input type="checkbox"/>	
9.8.11	Animals feed production	<input type="checkbox"/>	<input type="checkbox"/>	
9.8.12	Other extension advice (Specify)	<input type="checkbox"/>	<input type="checkbox"/>	
Source of agriculture extension (Swima 3) S Government.....1 NGO/Development project.....2 Cooperative Union.....3 Large Scale farmer....4 Radio/TV/Newspapers.5 Neighbour.....6 Other source8				

Definitions and working page for page 15

General definitions

Fish farming: Refers to the rearing/production of fish. It is different from fishing in that in fish farming the fish have to be reared. While in fishing, fishing nets or traps are used to catch fish from rivers, lakes and the sea; thus fishing should not be included in this section

I

Question Specific Definitions (Q 9.9)

Production unit number (Col 1): A production unit is a pond river/lake which is treated as a separate entity for the production of fish eg it may be by virtue of manageable size, maturity of fish, type of fish etc. eg. a farmer may have 3 fish ponds (each one is a separate production unit).

Frequency of stocking (Col . 5): What is the number of time the farmer puts new fingerlings into the pond each year.

Fingerlings: These are young immature fish used for stocking ponds.

Sols: (Col 10 & 11)

If no fish were sold enter "0" in column 10 and 11`

Fish sold (Col.12)

Kama hakuna samaki waliouzwa jaza "0" katika safuwima 12

Working space for page 15

9.9 FISH FARMING												
Did your household practice fish farming? Yes=1, No=2 (If the answer is no proceed to section 9.10)												
Give details on the fish farming during 2007/08 agriculture year												
No.	Number of Ponds	Area of pond (m ²)	Source of fingerlings	Frequency of stocking	Total number of stocked fish			Total number of fish harvested	Total weight of all fish		What is the main fish outlet?	
					Triapia	Mwatiko	Crabs		Lulu	waliouliwa (kg)		waliouzwa (kg)
(1)	(2)	(3)	(4)	(5)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
9.9.1	1											
9.9.2	2											
9.9.3	3											

Standard of services to the pond (Col 6)

High level.....1
Intermediate level.....2
Low level.....3
Don't know.....8

Source of fingerlings (Col 4)

From the pond.....1 Neighbour.....4
Government.....2 Business man.....5
NGO/Development Project.....3 Natural Pond.....6
Other.....8

mainly sold to? (Col 14)

Neighbour.....1 Auction.....3 Large Scale farmers.....5
Open market.....2 Fish processing industry.....4 Private business people.....6
Did not sell.....7 Other.....8

9.10 HONEY PRODUCTION

Is there honey production/harvesting in your household? Yes=1, No=2 (If answer is no PROCEED to Section 9.11)

Give details on honey harvesting during 2007/08 agriculture year

Type of honey	Harvesting done? (Yes=1, No=2)	Number of improved bee hives	Number of local bee hives	Amount sold per year (litre)	Amount of honey sold (litre)	Price per litre	Main market
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Small bees							
Large bees							

Honey outlet Co 8

Neighbour.....1 Auction.....3
Large Scale farmers.....5
Open market.....2 Fish processing industry.....4
Private business people.....6
Did not sell.....7

9.11 AGRICULTURAL CHALLENGES

From the list of challenges in farming on the right of the page, SELECT FIVE MAIN CHALLENGES WHICH constrain your development in agriculture

No	With first five priorities	Code
	(1)	(2)
9.11.1	Priority 1	
9.11.2	Priority 2	
9.11.3	Priority 3	

LIST OF CHALLENGES

No	Important for	Code
	(1)	(2)
9.11.4	Priority 4	
9.11.5	Priority 5	

AGRICULTURAL CHALLENGES

01 Land availability
02 Land ownership
03 Poor farm implements
04 Soil fertility
05 Availability of improved seeds
06 Irrigation services
07 Availability of agrochemicals
08 Cists of farm inputs
09 Extension services
10 Availability of forest resources
11 Hunting and collection problems
12 Water availability
13 Access to credits pastoralists

14 Lack of off farm incomes
15 Harvesting problems
16 Kupukuchua
17 Crop storage
18 Crop processing
19 Market information
20 High transportation costs
21 Destructive animals
22 Crop theft
23 Pests and diseases
24 Advice from Local government
25 Long dry spells
26 Conflicts between livestock keepers and

Definitions and working page for page 16**10.0 Household poverty indicators****Number of rooms used for sleeping in the household (Q 10.1.4)**

Include sitting room, dining room, kitchen, etc if used for sleeping.

It also includes rooms outside the main dwelling

A room is defined as a space which is separate from the rest of the building by a permanent wall or division. A building / house that is not divided into rooms is considered to have one room.

Household assets (Q 10.2):

These assets must be functional. Do not include if broken.

Access to drinking water (Q 10.4):

If there is more than one source use the one, which the hh uses most frequently.

Main source of hh cash income:(Q 10.7:

Activity that provides the hh with the most cash during 2007/08 agricultural season.

10.0 POVERTY INDICATORS		Identification <input type="text"/>																																							
<p>10.1 HOUSE CONSTRUCTION Specify materials used in the construction of the following shemu zifuatazo</p> <p>10.1.1 Roof <input type="checkbox"/> 10.1.2 Floor <input type="checkbox"/> 10.1.3 Wall <input type="checkbox"/></p> <div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p>Roofing materials Iron sheets.....1 Tiles.....2 Concrete.....3 Asbestos.....4 Grass/Makuti.....5 Grass and mud.....6 Other.....8</p> </div> <div style="width: 48%;"> <p>Floor materials Earthen material.....1 Wood.....2 Wooden tiles.....3 Tiles.....4 Cement.....5 Other.....8</p> </div> </div> <div style="border: 1px solid black; padding: 5px; margin-top: 5px;"> <p>Main materials Grass and pieces of woods.....1 Mud.....2 Wet bricks.....3 Burnt bricks.....4 Wood.....5 Block bricks.....6 Stonese.....7 Bricks /Mawe ya kichanga.....8</p> </div> <p>10.1.4 Number of bedrooms <input type="text"/></p>	<p>10.2 Household property Does your household own the following?, (Yes=1 No=2)</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Number</th> <th>Property</th> <th>Yes=1, No=2</th> </tr> <tr> <th></th> <th>(1)</th> <th>(2)</th> </tr> </thead> <tbody> <tr><td>10.2.1</td><td>Radio (Radio, Radio Casette, music system)</td><td><input type="checkbox"/></td></tr> <tr><td>10.2.2</td><td>Land line</td><td><input type="checkbox"/></td></tr> <tr><td>10.2.3</td><td>Celkl phone</td><td><input type="checkbox"/></td></tr> <tr><td>10.2.4</td><td>Iron</td><td><input type="checkbox"/></td></tr> <tr><td>10.2.5</td><td>Trolley</td><td><input type="checkbox"/></td></tr> <tr><td>10.2.6</td><td>Bycicle</td><td><input type="checkbox"/></td></tr> <tr><td>10.2.7</td><td>Vehicle</td><td><input type="checkbox"/></td></tr> <tr><td>10.2.8</td><td>TV/ Video</td><td><input type="checkbox"/></td></tr> <tr><td>10.2.9</td><td>Refrigerator</td><td><input type="checkbox"/></td></tr> <tr><td>10.2.10</td><td>Motorbike/vespa</td><td><input type="checkbox"/></td></tr> </tbody> </table>					Number	Property	Yes=1, No=2		(1)	(2)	10.2.1	Radio (Radio, Radio Casette, music system)	<input type="checkbox"/>	10.2.2	Land line	<input type="checkbox"/>	10.2.3	Celkl phone	<input type="checkbox"/>	10.2.4	Iron	<input type="checkbox"/>	10.2.5	Trolley	<input type="checkbox"/>	10.2.6	Bycicle	<input type="checkbox"/>	10.2.7	Vehicle	<input type="checkbox"/>	10.2.8	TV/ Video	<input type="checkbox"/>	10.2.9	Refrigerator	<input type="checkbox"/>	10.2.10	Motorbike/vespa	<input type="checkbox"/>
Number	Property	Yes=1, No=2																																							
	(1)	(2)																																							
10.2.1	Radio (Radio, Radio Casette, music system)	<input type="checkbox"/>																																							
10.2.2	Land line	<input type="checkbox"/>																																							
10.2.3	Celkl phone	<input type="checkbox"/>																																							
10.2.4	Iron	<input type="checkbox"/>																																							
10.2.5	Trolley	<input type="checkbox"/>																																							
10.2.6	Bycicle	<input type="checkbox"/>																																							
10.2.7	Vehicle	<input type="checkbox"/>																																							
10.2.8	TV/ Video	<input type="checkbox"/>																																							
10.2.9	Refrigerator	<input type="checkbox"/>																																							
10.2.10	Motorbike/vespa	<input type="checkbox"/>																																							
<p>10.3 Energy use and availability in the household</p> <p>10.3.1 Lighting <input type="checkbox"/> 10.3.2 Cooking <input type="checkbox"/></p> <div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p>Nishati za Kuangazia Umeme.....01 Sola.....02 Gesi (biogas).....03 Taa ya kandili.....04 Karabai.....05 Kibataji.....06 Mishumaa.....07 kuni.....08 Nyingine.....98</p> </div> <div style="width: 48%;"> <p>Nishati za kupikia Umeme.....01 Sola.....02 Gesi (biogas).....03 Gesi (Kiwandani).....04 Mafuta ya taa.....05 Mkaa.....06 Kuni.....07 Mabaki ya Mazao.....08 Kinyesi cha.....09 Nyingine.....98</p> </div> </div>	<p>10.4 Availability of drinking water</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Season</th> <th>Main source of water</th> <th>Distance from source (km)</th> <th>Time spent waiting or going to and from the source (Hours)</th> </tr> <tr> <th>(1)</th> <th>(2)</th> <th>(3)</th> <th>(4)</th> </tr> </thead> <tbody> <tr><td>10.4.1</td><td>Rainy</td><td><input type="text"/></td><td><input type="text"/></td></tr> <tr><td>10.4.2</td><td>Dry period</td><td><input type="text"/></td><td><input type="text"/></td></tr> </tbody> </table> <div style="border: 1px solid black; padding: 5px; margin-top: 5px;"> <p>Main source of drinking water Col. 2 Tape water.....01 Water vendors.....09 Artificial well.....02 Boozer.....10 Artificial spring.....03 Bottled water.....11 Openwell.....04 Other (Specify).....98 Natural spring.....05 Lake water, pond, river, stream n etc.....06 Covered Rain water harvesting well.....07</p> </div> <p style="text-align: center; font-size: small;">Note: Code 01, Bomba kwa Zanzibar hujulikana kama Mfereji</p>					Season	Main source of water	Distance from source (km)	Time spent waiting or going to and from the source (Hours)	(1)	(2)	(3)	(4)	10.4.1	Rainy	<input type="text"/>	<input type="text"/>	10.4.2	Dry period	<input type="text"/>	<input type="text"/>																				
Season	Main source of water	Distance from source (km)	Time spent waiting or going to and from the source (Hours)																																						
(1)	(2)	(3)	(4)																																						
10.4.1	Rainy	<input type="text"/>	<input type="text"/>																																						
10.4.2	Dry period	<input type="text"/>	<input type="text"/>																																						
<p>10.5 Toilet facilities</p> <p>10.5.1 What type of toilet does your household use? <input type="checkbox"/></p> <div style="border: 1px solid black; padding: 5px;"> <p>Type of toilet No toilet in the bush.....1 Pit latrine.....4 Flush toilet.....2 Other type (Specify).....8 Ordinal pit latrine.....3</p> </div> <p>10.7 Main source of household cash income? 10.7.1 What are the sources of household income? <input type="text"/></p> <div style="border: 1px solid black; padding: 5px;"> <p>Code for source of income Selling food crops.....01 Sales of forest products.....05 Cash assistance.....09 Sales of livestock.....02 Business.....06 Fishing.....10 Sales of livestock products.....03 Salaries.....07 Other.....98 Sales of cash crops.....04 Casual labour.....08 None.....99</p> </div>	<p>10.6 Eating patterns</p> <p>10.6.1 How many meals does your house usually get per day? <input type="text"/></p> <p>10.6.2 How days did the household eat meat last week? <input type="text"/></p> <p>10.6.3 How days did the household eat fish last week? <input type="text"/></p> <p>10.6.4 How many times did the household experience food shortages last year? <input type="text"/></p> <div style="border: 1px solid black; padding: 5px; margin-top: 5px;"> <p>Food shortage problems (Swali 10.6.4) Never.....1 Few times.....2 Sometimes.....3 Many times.....4 Often.....5</p> </div>																																								
		TIME OF FINISHING THE INTERVIEW		Hour	Minutes																																				
				<input type="text"/>	<input type="text"/>																																				

Average/maximum yields per area											
Use this table to compare the yields calculated in Sections 5.1, 5.2 and 5.3.											
These stats are strictly to be used as a guide for the purpose of assisting to get the correct area and yields for each crop.											
Name of Crop	Kilogram/ha		Kilogram/acre		Name of Crop	Kilogram/ha		Kilogram/acre			
	Average	Max	Average	Max		Average	Max	Average	Max		
11	Maize	1,150	6,250	466	2,530	86	Cabbage	20,000	50,000	8,097	20,243
12	Paddy	700	4,000	283	1,619	87	Tomatoes	25,000	60,000	10,121	24,291
13	Sorghum	750	3,500	304	1,417	88	Spinach	15,000	17,000	6,073	6,883
14	Bulrush Millet	350	3,000	142	1,215	89	Carrot	25,000	30,000	10,121	12,146
15	Funger Millet	300	2,500	121	1,012	90	Pepper	3,500		1,417	0
16	Wheat	1,150	4,500	466	1,822	91	Amaranthus	20,000	40,000	8,097	16,194
17	Barley	1,400	1,800	567	729	92	Pumpkin	35,000	40,000	14,170	16,194
16	Cassava	3,000	7,000	1,215	2,834	93	Cucumber	5,000	10,000	2,024	4,049
17	Sweet potatoes	600	8,000	243	3,239	94	Egg plant	30,000	60,000	12,146	24,291
18	Irish potatoes	750	8,500	304	3,441	95	Water melon	10,000	20,000	4,049	8,097
19	Yams	4,000	10,000	466	1,822	96	Caouliflower	17,000	20,000	8,097	16,194
25	Coco yams	2,500	5,000	567	729	52	Cotton	800	25,000	14,170	16,194
26	Onions	30,000	50,000	1,215	2,834	54	Coffee	500	100	2,024	4,049
27	Ginger	20,000	30,000	243	3,239	55	Tea	2,500	10,000	12,146	24,291
31	Mahare Beans	400	1,300	304	3,441	56	Cocoa	150	1,000	4,049	8,097
32	Cow peas	300	1,750	121	709	57	Rubber	400	1,400	6,883	8,097
33	Green gram	1,500	1,800	1,012	2,024	58	Wattle			324	10,121
34	Pigeon peas	600	1,500	243	607	59	Kapok			0	0
35	Chick peas	500	1,500	202	607	60	Sugar cane	60,000	150,000	24,291	60,729
36	Bambara nuts	600	4,000	243	1,619	61	Cardamon	3,000		1,215	0
41	Sun flower	600	1,700	243	688	71	Banana	10,000	50,000	4,049	20,243
42	Simsim	300	1,000	121	405	72	Avocado			0	0
43	Gound nuts	600	4,000	243	1,619	73	Mango	10,000	25,000	4,049	10,121
47	Soyabeans	1,300	2,500	526	1,012	74	Pawpaw	50,000	70,000	20,243	28,340
48	Caster seeds	300	750	121	304	76	Orrage	15,000	40,000	6,073	16,194
75	Pineapple	25,000	60,000	10,121	24,291	77	Grape fruit	30,000	50,000	12,146	20,243
50	Cotton	300	1,500	121	607	78	Grapes	5,000	30,000	2,024	12,146
51	Tobacco	500	1,500	202	607	79	Mandarin	15,000	40,000	6,073	16,194
53	Pyrethrum			0	0	80	Quava	7,000	35,000	2,834	14,170
62	Jute	800	3,500	324	1,417	81	Plums			0	0
44	Palm oil	1,150	5,000	466	2,024	82	Tufaha		20,000	0	8,097
45	Cononut	1,500	8,000	607	3,239	83	Pea	15,000	27,000	6,073	10,931
46	Cashw nut	9	60/tree	4	24	84	Pitches	14,000	57,000	5,668	23,077
						66	Clove	4,500	5,000	1,772	1,969
							Black pepper	2,000	3,750		
							Mung'unye				
							Ocra	1,000	1,500		

Appendix IIIb: Community Questionnaire

ACQ 3	United Republic of Tanzania	CONFIDENTIAL																				
																						
 Village/Community Level Formats Access to and Use of Community Resources Farm Gate Prices of commodities produced by the village																						
																						
 Agricultural Sample Census 2007/2008																						
Region		Ward																				
District		Village																				
Enumerator Name		Signature																				
Date of Enumeration <table style="width: 100%; border: none;"> <tr> <td style="border: 1px solid black; width: 20px; height: 20px;"></td> <td style="border: 1px solid black; width: 20px; height: 20px;"></td> <td style="border: none; padding: 0 5px;">/</td> <td style="border: 1px solid black; width: 20px; height: 20px;"></td> <td style="border: 1px solid black; width: 20px; height: 20px;"></td> <td style="border: none; padding: 0 5px;">/</td> <td style="border: 1px solid black; width: 20px; height: 20px;"></td> <td style="border: 1px solid black; width: 20px; height: 20px;"></td> <td style="border: 1px solid black; width: 20px; height: 20px;"></td> <td style="border: 1px solid black; width: 20px; height: 20px;"></td> </tr> <tr> <td style="text-align: center;">d</td> <td style="text-align: center;">d</td> <td></td> <td style="text-align: center;">m</td> <td style="text-align: center;">m</td> <td></td> <td style="text-align: center;">y</td> <td style="text-align: center;">y</td> <td style="text-align: center;">y</td> <td style="text-align: center;">y</td> </tr> </table>				/			/					d	d		m	m		y	y	y	y	Start Time End Time
		/			/																	
d	d		m	m		y	y	y	y													
Field level checking by:		NUMBER OF FARMERS HH IN THE VILLAGE To be filled by the enumerator after completing form ACLF2																				
District Supervisor Name Signature Date .. / .. / ..	I To be filled by the supervisor ONLY after Field/farm level checking of the enumeration process. This should be countersigned by the Supervisor in front of the enumerator																					
Regional Supervisor Name Signature Date .. / .. / ..																						
National Supervisor Name Signature Date .. / .. / ..																						
Distric checking in Office		NUMBER OF HH MEMBERS To be filled by the enumerator after completing form ACLF2																				
District Supervisor Name Signature Date .. / .. / ..	All questionnaires must be checked at the district office.																					
For Use at Regional Level Only																						
Data entered by: Name Signature Date .. / .. / ..	See the back page for details of queries																					
Queried Name Signature Date .. / .. / ..																						
Ministry of Agriculture and Food Security, Ministry of Livestock and Fisheries Development, Ministry of Agriculture and Environment of Zanzibar, Ministry of Water and Irrigation, Prime Ministers' Office Regional Administration and Local Government, Ministry of Industry Trade and Marketing, National Bureau of Statistics, and the Office of the Government Statistician General of Revolution Governemnet of Zanzibar																						

Definitions and working page for page 3

Question Specific Definitions:

Obtain answers to the following questions from the meeting between the enumerator and influential farmers in the village. Influential people can be Village Chairman, Village Government Executive Officer, Councillor, Ward Chairman, Extension Officer in the village or any other person in the village and who is well informed about village matters. It is important to not that these questions must be asked in groups (of more than one people) to obtain answers discussed and approved by many people.

Definitions of some specific terms

Access to community resources. Section 1.0

Community Resources: Resources in which the hh members have no individual claim to and which are shared together by all the village

Community Land: The area officiall demarcated by the village as shared/public land.

Squatting farmers Land: Communal land where individual hhs make sole claim to (for crop farming or fenced livestock) without official rights to ownership.

Available remaining Land: Official area of communal land minus areas of squatting farmers.

Government Land Reserve: Area set aside by the government as national reserve

Community tree planting scheme(Section 14.3)

Community Forest: A forest planted on the communal land which is planted, replanted or spt planted by the members of the village.

Plant Planting: An area designated by the village for planting a block of trees.

Spot Planted: Replanting an area where selective logging has been carried out. A tree is planted to replace the one that has been cut

Indigeous Trees: Trees that are native to Tanzania

Exotic Trees: Trees that are not native to Tanzania

Non Government Organisation: Is managed by people from outside the village and it normally covers more than one village/District/R region. Its function is to provide deveopment assistance to the farmer and is free from direct government links.

Village level organization: is managed by members of the village. Its purpose is normally to access/provide development assistance to the village

ACCESS TO COMMUNAL RESOURCES

1 ACCESS TO COMMUNITY RESOURCES									
1.1 Does the village set aside an area for communal resources e.g. forest, grazing, etc. (Yes =1, No =2)							<input type="checkbox"/>		
<i>(If the answer is no proceed to 1.2)</i>									
Arc of Community, Village, Ward resources				Area in acre					
1.1.1	Total area of communal land			<input type="text"/>			Official figures from the leader		
1.1.2	Area of squatting farmers in communal land			<input type="text"/>			Key informant (Leader/Extension officer etc.)		
1.1.3	Remaining available communal land			<input type="text"/>			Key informant (Leader/Extension officer etc.)		
1.1.4	Government reserve land			<input type="text"/>			Key informant (Leader/Extension officer etc.)		
1.2 UPATIKANAJI NA MATUMIZI YA MALIASILI ZA JUMUIYA/KIJIJI/SHEHIA									
Community Resources		Distance from the resource in Km -season		Main Use		<p>Instructions on distance from the resource (Cols 2 and 3): Distance is estimated from the centre of the village. If under 1 km, enter 0. If above 1 km, enter whole number, eg. 1.5km= 2km, 1.25km= 1km</p> <p>Main uses (Col. 4) Home or farm livestock consumption...1 Sold to traders in the village.....2 Sold to the village market.....3 Sold to local wholesalers.....4 Sold to Big wholesalers.....5 Not available.....6</p>			
		Dry (2)		Rainy (3)					
1.2.1	Water for human consumption			<input type="text"/>					
1.2.2	Water for livestock			<input type="text"/>					
1.2.3	Communal grazing land			<input type="text"/>					
1.2.4	Communal firewood			<input type="text"/>					
1.2.5	Wood for charcoal burning			<input type="text"/>					
1.2.6	Wood for building poles			<input type="text"/>					
1.2.7	Forest for bee keeping (honey)			<input type="text"/>					
1.2.8	Hunting			<input type="text"/>					
1.2.9	Fishing			<input type="text"/>					
2.0 COMMUNITY PLANTED TREES									
2.1 Did your village have community planted trees during 2007/08 agriculture year? (Yes=1, No=2)							<input type="checkbox"/>		
<i>If the answer is no proceed to Section 3.0</i>									
Details of the community tree planting scheme									
No.	Distance from the community forest	Forest Area (acre)	Type of Planting	Type of Trees	Source of seeds/ Seedlings	Number of Years since the start of planting	Main uses 2007/08 agriculture year	Main uses of communal forest products	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	
2.2	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
Type of planting (Col. 3) Planted planting.....1 Spot planting.....2 Type of trees (Col. 4) Indigenous trees.....1 Exotic tree.....2 Both types.....3		Source of seedlings (Col. 5) Seeds collection and planting.....1 Village Nursery.....2 Department of Forestry.....3 Private Individuals.....4			Main Uses (Col. 7) Poles.....1 Wood.....2 Charcoal.....3 Firewood.....4 Other (Specify).....8		Main use of revenue (Col.8) Village development fund.1 Household use.....2 Household income.....3		
3.0 Non governmental Organisation (NGOs) Contact									
3.1 Did any NGO visit the village during 2007/08 agriculture year? (Yes=1, No=2) (If no proceed to Section 4)							<input type="checkbox"/>		
Na.	Type of NGO	Visited Y=1, N=2	Number of visits	Distance to the Office (km)	Na.	Type of CBO	Nd=1, Hap=2		
3.2	Extension/ Research	<input type="text"/>	<input type="text"/>	<input type="text"/>	4.2	Extension/ Research	<input type="checkbox"/>		
3.3	Service /Input provision	<input type="text"/>	<input type="text"/>	<input type="text"/>	4.3	Service /Input provision	<input type="checkbox"/>		
3.4	Community Development	<input type="text"/>	<input type="text"/>	<input type="text"/>	4.4	Community Development	<input type="checkbox"/>		
3.5	Other	<input type="text"/>	<input type="text"/>	<input type="text"/>	4.5	Other	<input type="checkbox"/>		
5.1 Did the village have Field farm schools during 2007/08, agriculture year? (Yes=1, No=2)							<input type="checkbox"/>		
5.2 Did the village participate in any research on crops/ improved livestock during in the village during 2007/08 agriculture year? (Yes=1, No=2)							<input type="checkbox"/>		
5.3 Did the village have local ironsmiths during 2007/08 agriculture year? (Yes=1, No=2) (If the answer is 2 proceed to q. 5.5)							<input type="checkbox"/>		
5.4 Number of local ironsmiths							<input type="text"/>		
5.5 Did the village have any training centres on draft animals during 2007/08 agriculture year? (Yes=1, No=2) If number 2 is the answer conclude the enumeration.							<input type="checkbox"/>		
5.6 Number of training centres for draft animals							<input type="text"/>		

APPENIDX III c: Village Listing Forms

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Page Number out of

Agriculture Sample Census 2007/08

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ACL F 1



Sub-village /ward leader listing from

Region _____ Code Ward _____ Code

District _____ Code Village _____ Code

Sub village leader Number	Name of Ward village leader	Number of Households		Comments
		Form Office Register	After enumeration	
(1)	(2)	(3)	(4)	(5)
<input style="width: 20px; height: 15px; border: 1px solid black;" type="text"/>		<input style="width: 20px; height: 15px; border: 1px solid black;" type="text"/>	<input style="width: 20px; height: 15px; border: 1px solid black;" type="text"/>	
<input style="width: 20px; height: 15px; border: 1px solid black;" type="text"/>		<input style="width: 20px; height: 15px; border: 1px solid black;" type="text"/>	<input style="width: 20px; height: 15px; border: 1px solid black;" type="text"/>	
<input style="width: 20px; height: 15px; border: 1px solid black;" type="text"/>		<input style="width: 20px; height: 15px; border: 1px solid black;" type="text"/>	<input style="width: 20px; height: 15px; border: 1px solid black;" type="text"/>	
<input style="width: 20px; height: 15px; border: 1px solid black;" type="text"/>		<input style="width: 20px; height: 15px; border: 1px solid black;" type="text"/>	<input style="width: 20px; height: 15px; border: 1px solid black;" type="text"/>	

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ACLF 2



Page Number..... out of.....

Agriculture Sample Census 2007/08

Household listing from-for listing hh heads and agriculture activities

Region _____ Code

District _____ Code

Ward _____ Code

Village _____ Code

Name of sub village leader _____

Name of sub village _____

Household number	Household head name	Fields a	Number of									if the Respondent Qualifies X	Farmer Serial Number	
			Cattle				Goats	Sheep	Pigs	Kuku/Bata/ Rabbit				
			Total	Bulls	Cows	Calves								
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	
<input type="checkbox"/>														
<input type="checkbox"/>														
<input type="checkbox"/>														
<input type="checkbox"/>														

UNITED REPUBLIC OF TANZANIA



National Agriculture Sample Census 2007/08




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Household listing for 15 selected farmers

Region _____ Code _____ ward : _____ code _____ Namba Sawia _____
 District _____ Code _____ village _____ code _____ Hatua _____

S/N	Sub-village leader Number	Name of sub-village leader	Name of selected head of household	Name of Household Head	Number of					
					Field	Cattle	Goat	Sheep	Pigs	Poultry
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)

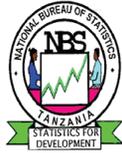
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ACLF 1



Page Number..... out of.....



Agriculture Sample Census 2007/08



Sub-village /ward leader listing from

Region _____ Code Ward _____ Code
 District _____ Code Village _____ Code

Sub village leader Number	Name of Ward village leader	Number of Households		Comments
		Form Office Register	After enumeration	
(1)	(2)	(3)	(4)	(5)
<input type="text"/> <input type="text"/> <input type="text"/>		<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	
<input type="text"/> <input type="text"/> <input type="text"/>		<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	
<input type="text"/> <input type="text"/> <input type="text"/>		<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	
<input type="text"/> <input type="text"/> <input type="text"/>		<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	

UNITED REPUBLIC OF TANZANIA

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ACLF 2





Page Number out of

Agriculture Sample Census 2007/08



Household listing from-for listing hh heads and agriculture activities

Region _____ Code _____

District _____ Code _____

Ward _____ Code _____

Village _____ Code _____

Name of sub village leader _____

Name of sub village _____

Household number	Household head name	Number of										If the Respondent is a Farmer (1)	
		Fields	Cattle				Goats	Sheep	Pigs	Kuku/Baba/			Rabbit
			Total	Bulls	Cows	Calves				Quailies	X		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)

UNITED REPUBLIC OF TANZANIA

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ACL F 3


National Agriculture Sample Census 2007/08

Household listing for 15 selected farmers




Region: _____ Code:
 Ward: _____ code:
 Namba Sawia:

District: _____ Code:
 Village: _____ code:
 Hatua:

S/N	Sub-village leader Number	Name of sub-village leader	Name of elected head of household	Name of Household Head	Number of					
					Field	Cattle	Goat	Sheep	Pigs	Poultry
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)

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Small holder/Small Scale Farmer questionnaire											
Identification <input type="text"/>											
Agricultural Sample Census 2007/2008											
											
											
Enumerator Name Signature Date of Enumeration <input type="text"/> <input type="text"/> / <input type="text"/> <input type="text"/> / <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <div style="display: flex; justify-content: space-around;"> d d m m y y y y </div> <div style="display: flex; justify-content: space-around;"> Start Time <table border="1" style="border-collapse: collapse;"> <thead> <tr> <th style="padding: 2px;">Hour</th> <th style="padding: 2px;">Minutes</th> </tr> </thead> <tbody> <tr> <td style="width: 30px; height: 20px;"></td> <td style="width: 30px; height: 20px;"></td> </tr> <tr> <td style="width: 30px; height: 20px;"></td> <td style="width: 30px; height: 20px;"></td> </tr> </tbody> </table> </div> <div style="display: flex; justify-content: space-around;"> End Time <table border="1" style="border-collapse: collapse;"> <tbody> <tr> <td style="width: 30px; height: 20px;"></td> <td style="width: 30px; height: 20px;"></td> </tr> <tr> <td style="width: 30px; height: 20px;"></td> <td style="width: 30px; height: 20px;"></td> </tr> </tbody> </table> </div>		Hour	Minutes								
Hour	Minutes										
Field level checking by: District Supervisor Name Signature Date / / Regional Supervisor Name Signature Date / / National Supervisor Name Signature Date / /											
Distric checking in Office District Supervisor Name Signature Date / /											
For Use at Regional Level Only Data entered by: Name Signature Date / / Queried Name Signature Date / /											
Ministry of Agriculture and Food Security, Ministry of Livestock and Fisheries Development, Ministry of Agriculture and Environment of Zanzibar, Ministry of Water and Irrigation, Prime Ministers' Office Regional Administration and Local Government, Ministry of Industry Trade and Marketing, National Bureau of Statistics, and the Office of the Government Statistician General of Revolution Government of Zanzibar											

Definition and working page for page 1

General Definitions

Who is a Smallholder /Small Scale farmer?

Should have one or more of the following: in the 2007/08 farming season had one or more cultivated and planted farms. The farm land may either be owned, rented, borrowed. The farmer may also be raising 1 and 50 head of cattle, and/or between 5 and 100 head of sheep/Goats/Pigs, and/or between 50 and 1000

Household: A group of people who occupy the whole of part one or more housing units and makes joint provision for food and/or other household items. Usually such a group comprises a husband, wife, and their children. Other relatives may be members of the household if they happen to live and get food provisions from the same household. People who live together and eat from the same pot may be considered as members of the same household even if they stay in separate dwellings. An individual who lives and eat alone is considered as an independent household.

Household Head: A person who is acknowledged by all other members of the household either by virtue of his age or standing in the household as the head. He/she should be a permanent resident of the house and he/she is the main person responsible for decision making regarding use of household resources..

Agricultural Holding: This is an economic unit of agricultural production under single management. This unit may have been grown various crops. For the purpose of the survey, the agricultural holdings are restricted to those which meet one of the following conditions:

- Having or operated at least 25 sq meter of arable land
- Own or keep at least one head of cattle or five goats/sheep/five pigs or fifty chicken/ducks/turkeys during the agricultural year 2007/08 (from October 2007 to September 2008).

Question Specific Definitions:

Type of Agriculture holding Codes (Q2.1):

Crops only: A holding is referred to be a crop only holding if it has cultivated at least one piece of land. This also applies to all households owning or have kept livestock whose number does not qualify such households to be an agricultural holding (No cattle, less than 5 goats/sheep/pigs, less than 50 chickens/turkeys/rabbits).

Livestock only: A holding is referred to be a livestock only holding if it has exercised livestock husbandry only during the 2007/08 agricultural year.

NOTE

For agricultural holding only and pastoralist holding only; the number of livestock should be at least one head of cattle, not less than five goats/sheep/pigs, not less than 50 chickens /turkeys /rabbits. This also applies to households having or operated less than 25 sq meter of cultivated land (which does not qualify the household to be considered as agricultural holding) but has the number of livestock that makes the holding qualifies to be considered as livestock holding.

Pastoralist holding: This refers to a household which practices livestock production as its major income generating activity and a means of subsistence, but moves from one place to another searching for water and pasture for the livestock. This movement usually involves long distances and in many cases the whole household unit moves with the livestock and they have no permanent place of residence.

Both crops and livestock: A holding is referred to be a both crops and livestock if it has cultivated a piece of land equal or exceeding 25 sq meter and if such households have own or kept livestock whose number qualify such household be considered as an agricultural holding.

Procedures for questions:

Q 2.1 Type of agriculture household/holding

Using the options under the question classify the type of agriculture household/holding

Note: If the household had an acre of crops and raised 40 chickens during 2007/08, it is classified as 'Crops only' as the number of chickens does not qualify the household as a livestock holding.

1.0 IDENTIFICATION DETAILS		
		Identification <input type="text"/>
1.1	Location	
Na.	Location Name	Codes
1.1.1	Region	<input type="text"/>
1.1.2	District	<input type="text"/>
1.1.3	Ward	<input type="text"/>
1.1.4	Village	<input type="text"/>
1.2	Details of the respondent or household head	
Na.		Codes
1.2.1	Name and number of local leader	<input type="text"/>
1.2.2	Name and number of household head	<input type="text"/>
1.2.3	Sex of household head	<input type="text"/>
1.2.4	Name of respondent	
1.2.5	Relationship of Respondent to household head	<input type="text"/>
<p>Relationship to household head codes (Q 1.2.5)</p> <p>Head of Household1 Son /Daughter.....3 Grandson/Granddaughter.....5 No relationship.....7</p> <p>Spouse.....2 Father/Mother.....4 Other relatives.....6</p>		
2.0 ACTIVITIES OF THE HOUSEHOLD		
2.1	Type of Agriculture Household	<input type="text"/>
<p>Household agricultural activities codes(Q 2.1)</p> <p>Crops only.....1 Livestock only2 Pastoralist.....3 Crops and Livestock4</p>		

Definition and working page for page 2

Question Specific Definitions:

Relation to head (Col 2):

Household Head: A person who is acknowledged by all other members of the household either by virtue of their age or standing as the household head.

Read and Write (Col 8)

Any other language: Must be a written language.

For someone who can read and write in Kiswahili and any other language apart from English, the correct code is 1. For one who can read and write in English and any other language apart from Kiswahili the the correct code is 2. Code 4 should only be used for any other language which is not English or Kiswahili.

Education Level Reached (Col 10):

Ask the respondent the highest educational level reached. This aims at establishing whether at the time of enumeration the member of the household is studying has completed or has never studied. Make further enquiry for the level of education reached for those who have completed studies. Establish if the member had attained any training after graduation for the purposes for completing column number 9. For those who still continue attending studies during the period of this survey, establish their learning stage. For instance for a household member who studied up to Standard Three but did not complete his/her education at this level, then his/her highest education level reached is Standard Two. For those indicated under code 3 (not studied) in column 8 should be marked code 99 (Not applicable) in column 9.

Section 3.0 Note

Make sure that you define the hh proper to ensure that all the members of the hh are included. Ensure that you stress that the hh is not just the hh heads direct family and that it includes other people living and eating together with the family.

If you notice that the hh is large or you see many people around the hh and you have been given a smaller number of the hh members, make further enquiries until you are sure that you have captured all the hh members.

Section 3.0 Household information.

- ii) For each household member complete columns 1, 2, 3 and 3
- After completing columns 1, 2, 3 and 3 for each household member, go back to the first household member and complete the remaining columns for that member.
- iii) Repeat step 2 for the rest of the household members.

HOUSEHOLD INFORMATION

3.0 HOUSEHOLD INFORMATION													
Identification <input type="text"/>													
3.1	Give details of personal particulars of all hh members beginning with hh head												
Na.	Names of hh members (Start with hh Head)	Ex Start with hh Head	Sex M = 1 F = 2	Age (98 years or more enter 97, under one year old write 00)	Marital Status	Parental Survival		Not applicable for children under 5 years					
						Mother	Father	Read and Write	Education status	Level of education attained	On farm engagements	Main activity	Off farm income yes=1 no=2
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
01	1											
02												
03												
04												
05												
06												
07												
08												
09												
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27												
28												
29												
30												
31												
32												
33												

CODES FOR Q3: HOUSEHOLD INFORMATION

Relationship to household head (Col 2)

Head of household.....	1
Female/Male.....	2
Son/Daughter.....	3
Father/Mother.....	4
Grandson/daughter....	5
Other Relatives.....	6

Marital Status(Col 4)

Married.....	1
Single.....	2
Co-habiting.....	3
Divorced	
Separated.....	4
Widow/widower.....	5

Survival of Parents(Col 6 & 7)

Yes.....	1	No.....	2
Don't know.....	3		

Education Level(Col 9)

Studying.....	1
Has completed.....	2
Never been to school.....	3

Reading and writing (Col 8)

Kiswahili.....	1
English.....	2
Kiswahili and English.....	3
Lugha nyingine.....	4
Cannot read or write.....	5

Education Level (Col 10)

Primary education

Below Standard One.....	00
Standard One.....	01
Standard Two.....	02
Standard Three.....	03
Standard Four.....	04
Standard Five.....	05
Standard Six.....	06
Standard Seven.....	07
Standard Eight.....	08
Adult Education.....	19
Training after Primary Ed....	09
Pre Form One.....	10

Secondary Education

Form One.....	11
Form Two.....	12
Form Three.....	13
Form Four.....	14
Form Five.....	15
Form Six.....	16
Training after Secondary Ed....	17
University and other Tertiary Ed...	18
Adult	
Not applicable.....	99

Involvement in farming activities (Col 11)

Works on farm full time.....	1
Works on farm part time.....	2
Rarely works on farm.....	3
Never works on farm.....	4

Main activity (Col 12)

Crop farming:.....	01.
Livestock farming/herding:.....	02.
Pastoralist.....	03
Fishing.....	04
Fish farming.....	05
Paid employment /	
Government/parastatal.....	06
Private/NGOs.....	07
Self employee (Off-farm activities)	
- With employees.....	08
- Without employees.....	09
Non paid household member (off-farm activities).....	10.
Unemployed but available for work.....	11
Unemployed but unavailable for work..	12
House mother.....	13
Student.....	14
Unable to work too old, too young, retired, disabled, child	15
Others (specify).....	98

Off-farm Income (Col 13)

These are income made from activities NOT on the HH's farming activities. This can be from formal employment (e.g. in government etc.), temporary jobs, casual labourers and income generation activity and includes working for cash on other people's farms.

Indicate whether each member was involved in an off farm income generating activity during 2007/08

Definitions and working page for page 3

Definitions for Key Specific Questions

Section 4.1 – Land Access/Ownership

These are areas that were used by the households for the 2007/08 farming season

Lease/Certificate of Ownership: Area under lease/certificate of ownership refers to the areas which were issued by the government. The household possesses government issued leasehold title or certificate of ownership. The land will normally be officially surveyed and boundaries marked. This includes leased land bought from others where the lease/certificate of ownership has been transferred.

Customary Law: This refers to the land which the household does not have an official government but its right of use is granted by the traditional leaders.

Bought: This refers to the areas of customary land that has been bought from others. This land does not have an official title and therefore is not leasehold.

Rented from others: Land rented from others for cash or for a fixed amount in crop produce (e.g. fixed number of bags at harvest).

Borrowed: use granted by land owner free of charge. Land owner can either be a lease holder or has right of access through customary law.

Share cropping: where the household is permitted to use land which is then paid for from a percentage of the harvested crop

Section 4.2 Land Use

Temporary crops: are sown and harvested during the same agricultural year

Permanent crops: are crops once sown or planted last for some years and need not to be replanted after each annual harvest.

Permanent crops /mixed crops: This is a mixture of permanent and seasonal crops. The two crops can either be randomly planted together or in a particular pattern e; for example intercropping (1 row of maize and 1 row of beans). A field that has been divided into plots for different crops is not mixed).

This is further subdivided into:

Mixture of Permanent crops – two or more permanent crops grown together

Mixture of Permanent and Temporary crops – permanent crop and annual crop together

Mixture of Temporary crops– two or more temporary, annual crops grown together

Pasture land: this is an area of owned/allocated land which is set aside for livestock grazing. It can be improved pasture where the farmer has planted grass, applied fertilized or where other means have been applied to improve the pasture. Or it can be natural pasture.

Natural Bush: Land which has naturally grown shrubs and trees and is considered productive but is not utilized for farming or livestock production.

Overview to section 4

Overview to section 4

Section 4.0: Preliminary note

Land Access/Ownership

Land access/ownership refers to the area utilized by the members of the household. This does not include communal land where the resources are shared between household members. It does not include official communal land that the household has sole access to for example a plot for crop farming in the communal area.

Procedures for questions

Section 4.0 – Land Ownership

1. Ask the respondent if he knows the total areas of land the household has sole access to. If he knows make a note in the calculation space
2. Ask the respondent the area of the different land ownership categories the household has sole access to (Q4.1, 1 to 4.1.7) and record in the appropriate spaces.
3. Add up the area of the different categories of land and compare it with the total area obtained in step 1 (if the respondent provided the information)
4. If the total area is different find out which one is correct and make

Section 4.2: Land Use

1. Ask the respondent the area of the different land use categories the household has sole access to (Q4.2.1 to 4.2.12) and record in the appropriate spaces.
2. Add up the area of the different categories of land and compare it with the total area obtained in section 4.0. The total area should be the same.
3. If the total area is different find out which one is correct and make amendments where appropriate.

4.0 LAND ACCESS/OWNERSHIP/TENURE				Identification <input type="text"/>			
4.1 LAND ACCESS/OWNERSHIP/TENURE				Give details on Area owned by the household during 2007/08 agricultural season.			
Give area as reported by the respondent in acres		Area in Acre				4.8 Was the whole household area used during the 2007/08 agricultural season? (Yes=1, No=2) <input type="checkbox"/>	
4.1.1	Area under certificate of ownership	<input type="text"/>	<input type="text"/>				
4.1.2	Area owned under customary law	<input type="text"/>	<input type="text"/>				
4.1.3	Area bought	<input type="text"/>	<input type="text"/>	4.9 Do you consider to have enough land for your household? (Yes=1, No=2)		<input type="checkbox"/>	
4.1.4	Area rented from others	<input type="text"/>	<input type="text"/>				
4.1.5	Area borrowed from others	<input type="text"/>	<input type="text"/>				
4.1.6	Area share cropped from others	<input type="text"/>	<input type="text"/>	4.1.0 Is there any female who owns land or has customary rights to land ownership in this household? (Yes=1, No=2)		<input type="checkbox"/>	
4.1.7	Area under other forms of tenure	<input type="text"/>	<input type="text"/>				
Total area		<input type="text"/>	<input type="text"/>				
4.2 LAND USE				Area used by the household for various agricultural activities during 2007/08 agricultural season			
Enter area as reported by the respondent in acres		Area in acre				Working space for calculations	
4.2.1	Area planted temporary monocrops	<input type="text"/>	<input type="text"/>				
4.2.2	Area planted temporary mixed crops (e.g. maize and beans)	<input type="text"/>	<input type="text"/>				
4.2.3	Area planted permanent monocrops	<input type="text"/>	<input type="text"/>				
4.2.4	Area planted permanent mixed crops (e.g. banana, coffee, trees)	<input type="text"/>	<input type="text"/>				
4.2.5	Area planted permanent and temporary mixed crops (e.g. maize and banana)	<input type="text"/>	<input type="text"/>				
4.2.6	Area under pasture	<input type="text"/>	<input type="text"/>				
4.2.7	Area under fallow	<input type="text"/>	<input type="text"/>				
4.2.8	Area under natural forest	<input type="text"/>	<input type="text"/>				
4.2.9	Area planted trees	<input type="text"/>	<input type="text"/>				
4.2.10	Area rented to others	<input type="text"/>	<input type="text"/>				
4.2.11	Area unsuitable for agriculture	<input type="text"/>	<input type="text"/>				
4.2.12	Uncultivated arable land (minus area under fallow)	<input type="text"/>	<input type="text"/>				
Total area		<input type="text"/>	<input type="text"/>				

Definitions and working page for page 4

Working table for the calculation area for annual mixed crops

Mixed crops 1	Crop Name	Total area of mixed (acre)	Area for plants (acre)	Total number of plants	Total area of plants (acre)
(a)	(b)	(c)	(d)	(e)	(f)-(d)*(e)
Permanent crop 1		0.000			n
Permanent crop 2		0.000			n
Permanent crop 3		0.000			n
Permanent crop 4		0.000			n
Total Area for mixed crops			Total area for permanent crops		n
The remaining area for temp crops				% of temporary	Area for permanent crop
Name of the crop temp/permanent 1					
Name of the crop temp/permanent 2					
Name of the crop temp/permanent 3					
Check total area			Check total area for temporary crops		

Mixed crops	Name of plant	Total area mix (acre)	Area for the plant (acre)	Total of plants	Total area for plants (acre)
(a)	(b)	(c)	(d)	(e)	(f)-(d)*(e)
Permanent crop 1		0.000			n
Permanent crop 2		0.000			n
Permanent crop 3		0.000			n
Permanent crop 4		0.000			n
Total area for mixed crops			Total area for permanent crops		n
The remaining area for temp crops				% of temporary	Area for temporary crop
Name of the crop temp/permanent 1					
Name of the crop temp/permanent 2					
Name of the crop temp/permanent 3					
Check total area			Check total area for temporary crops		

Planted Area: Area in acre the household was able to plant
Harvested Area: Area in acre the household was able to harvest a large portion of harvests. This is the same as the area planted minus the area that was destroyed by floods/pests

Temporary/Annual Crops
 Crops planted and harvested within 12 months after which time the plants die. Most annual crops are planted and harvested on a seasonal base.

Cash crop codes:

Code	Crop
50	Cotton
51	Tobacco
53	Payrethrum
62	Jute
19	Seaweed

Crop Codes(Cereal / Tubers/ Roots/ Code Crop

11	Maize
12	Paddy
13	Sorghum
14	Burush Millet
15	Finger Millet
16	Wheat
17	Barley
22	Sweet Potatoes
23	Irish Potatoes
24	Yams
25	Cocoyams
26	Onions
27	Ginger

Vegetable Codes: Code Crop

86	Cabbage
87	Tomatoes
88	Spinach
89	Carrot
90	Chillies
91	Amaranths
92	Pumpkin
93	Cucumber
94	Egg plant
95	Water melon
96	Cauliflower
06	Mellon
05	nyanyachungu
02	Ocra
01	Radish
03	Green Beans
04	Bizari

Crop C and Oil Code C

31	E
32	C
33	C
34	C
35	I
36	E
37	N
41	S
42	S
43	C
47	S
48	C

Instructions for calculating the area of mixed crops in a mixture

A. If the mixed crop is mixed annual only enter the total area of the field in the remaining area temporary Crop and go to step one of these instructions.

B. If the mixed crop is mixed permanent and annual try to work the percent age taken by the c and calculate the area of annual crops outlined in step 1. Otherwise use the number of trees met the area of annula crops in the mix.

C: Number of trees method to calculate annual crop areas in a permanent-annual crop mix.:

- List each of the permanent crop in column b and enter the ground area per acre for each p (from instructions for page 8) in column d.
- Enter the number of permanent trees in the mix in column e as will be provided to you b respondent
- Calculate the area occupied by each crop by multiplying column d and column e and sum obtain the total area of permanent crops in the mix.
- To obtain the area for temporary crops , subtract (-) the area fro permanent crops from tt crop mix and enter the result in in the total area under temporary crops.
- Proceed to step 1 to calculate the area under each temporary crop.

- Enter the name of each temporary crop in tyhe crop mix and estimate percentages of each c
- Using the percentage for each crop, calculate the are for each crop from the remainin temporary crop.**
- After completing the excrise for all the fields, sum the area of each crop in tyhe mix plus any uenter the totals in section 5.1.1 Column 3.
- Once the quantity harvested is obtained , calculate the yields (metric tonnes/acre) a the figures with the norms given in the crops code box. If there is significantly difference, ch and the amount harvested..**

Definitions and working page for page 5

Storage (Col. 30, Q 5.1.1):

- **Traditionally Made structures:** The design of storage structures villagers have inherited from forefathers.
- **Improved Traditionally made structures:** The design of traditional storages/structures improved through modern technology.

Marketing Challenges Q 5.1.1 Col. 33:

- **Farmers' Association:** Village farmers who came together and started an association for the purposes of purchasing inputs/selling/storage of crops aiming at fetching better prices.
- **Cooperative Union:** A large inter-village/community set up in the district/ region or at national level for providing inputs, markets and storage of farmers' crops.
- **Government Regulatory laws for crops marketing:** Government instituted laws for regulating transportation and selling of crops.

Inputs (Q 5.1.1)

- Farm Yard Manure:** An organics fertiliser made on farm from animal dung.
- Compost:** An organic fertiliser made on farm from decomposed plant materials.
- Insecticides:** This is the chemical use in protecting plants or killing pests.
- Fungicides:** Protects plants from fungi attack.
- Herbicide:** Chemicals used to control or kills weeds.
- Improved seeds:** Scientifically attested to be suitable for agricultural use.

Working area/calculation space

Questions specific de finitions

Q 5.1.1. Instructions on crops storage:

1. For the listed crops establish whether or not the household stored crops for 2007/2008 agricultural season.
2. For the listed crops give explanations on storage.

Crops storage is keeping/reserving crops in a container or a special place for future use.

Q 5.1.1 Col 31

1. For each of crops listed indicate major marketing problems for 2007/2008 agricultural season.

Definitions and working page for page 6

Working table for the calculation area for annual mixed crops

Mixed crops 1	(a)	(b)	(c)	(d)	(e)	(f) = (d) * (e)
Permanent crop 1						
Permanent crop 2						
Permanent crop 3						
Permanent crop 4						
Total Area for mixed crops permanent crops						
Total area for mixed crops permanent crops						
The remaining area for temp crops						
Name of the crop temp/permanent 1						
Name of the crop temp/permanent 2						
Name of the crop temp/permanent 3						
Check total area for temporary crops						

Mazao mchanganyiko 2	(a)	(b)	(c)	(d)	(e)	(f) = (d) * (e)
Permanent crop 1						
Permanent crop 2						
Permanent crop 3						
Permanent crop 4						
Total area for mixed crops permanent crops						
Total area for mixed crops permanent crops						
The remaining area for temp crops						
Name of the crop temp/permanent 1						
Name of the crop temp/permanent 2						
Name of the crop temp/permanent 3						
Check total area for temporary crops						

Planted Area: Area in acre the household was able to plant

Harvested Area: Area in acre the household was able to harvest a large portion of harvests. This is the same as the area planted minus the area that was destroyed by floods/pests /

Temporary/Annual Crops
Crops planted and harvested within 12 months after which time the plants die. Most annual crops are planted and harvested on a seasonal base.

Cash crop codes:
Code Crop
50 Cotton
51 Tobacco
53 Pinyapple
62 Juice
19 Sunweed

Tubers/Roots:
Code Crop
11 Maize
12 Paddy
13 Sorghum
14 Buriash Millet
15 Finger Millet
16 Wheat
17 Barley
22 Sweet Potatoes
23 Irish Potatoes
24 Yams
25 Cassava
26 Onions
27 Ginger

Vegetable Codes:
Code Crop
86 Cabbage
87 Tomatoes
88 Spinach
89 Carrot
90 Chillies
91 Amaranths
92 Pumpkin
93 Cucumber
94 Egg plant
95 Water melon
96 Cauliflower
06 Melon
05 Nyanyachungu
02 Oca
03 Radish
01 Green Beans
04 Biziari

Crop Codes Legumes and C
Code Crop
31 Beans
32 Chick peas
33 Green Gram
34 Chick Peas
35 Dengu
36 Bambara nuts
37 Negere
41 Sun flower
42 Simsim
43 Ground uts
47 Soy beans
48 Caster Seed

Instructions for calculating the area of mixed crops in a mixture

A. If the mixed crop is mixed annually only enter the total area of the field in the remaining area under temporary crop and go to step one of these instructions

B. If the mixed crop is mixed permanent and annual try to work the percent age taken by the different crops and calculate the area of annual crops outlined in step 1. Otherwise use the number of trees method to calculate the area of annual crops in the mix.

C. Number of trees method to calculate annual crop areas in a permanent-annual crop mix:
(i) List each of the permanent crop in column 'b' and enter the ground area per acre for each permanent crop from section 5.1.1 in column 'c'.
(ii) Enter the number of permanent trees in the mix in column 'e' as will be provided to you by the resident.
(iii) Calculate the area occupied by each crop by multiplying column 'd' and column 'e' and sum up these to obtain the total area of permanent crops in the mix.
(iv) To obtain the area for temporary crops, subtract (c) the area for permanent crops from the total area of crop mix and enter the result in 'd' in the total area under temporary crops.
(v) Proceed to step 1 to calculate the area under each temporary crop.
1. Enter the name of each temporary crop in the crop mix and estimate percentages of each crop.
2. Using the percentage for each crop, calculate the area for each crop from the remaining area under temporary crop.
3. After completing the exercise for all the fields, sum the area of each crop in the mix plus any monocrops and enter the totals in section 5.1.1 Column 3.
4. Once the quantity harvested is obtained, calculate the yields (metric tonnes/acre) and compare the figures with the norms given in the crops code box. If there is significantly difference, check the area and the amount harvested.

Definitions and working page for page 7

Storage (Col. 30, Q 5.2.1):

- **Traditionally Made structures:** The design of storage structures villagers have inherited from forefathers .
- **Improved Traditionally made structures:** The design of traditional storagesrutures improved through modern technology.

Marketing Challenges Q 5.2.1 Col. 33:

- **Farmers' Association:** Village farmers who came together and started an association for the puporses of purchasing inputs/selling/storage of crops aiming at fetching better prices.
- **Cooperative Union:** A large inter-village/community set up in the district/ region or at national level for providing inputs, markets and storage of farmers' crops.
- **Government Regulatory laws for crops marketing:** Government instituted laws for regulatinq transportation and selling of crops.

Inputs (Q 5.2.1)

- Farm Yard Manure:** An organics fertliser made on farm from animal dung. .
- Compost:** An organic fertiliser made on farm from decomposed plant materials.
- Insecticide:** This is the chemical usde in protecting plants or killing pests.
- Fungicides:** Protects plants from fungi attack.
- Herbicide:** Chemicals used to control or kills weeds.
- Improved seeds:** Scientifically attested to be suitable for agricultural use.

Questions specific definitions

Q 5.2.1. Instructions on crops storage:

1. For the listed crops establish whether or not the household stored crops for 2007/2008 agricultural season.
2. For the listed crops give explanations on storage.

Crops storage is keeping/reserving crops in a container or a special place for future use.

Q 5.2.1 Col 33

1. For each of crops listed indicate major marketing problems for 2007/2008 agricultural season.

Working area/calculation space

Definitions and working page for page 8

Permanent Crops:

These are crops once planted last longer in the farm and need not be replanted after each annual harvest. Most of the permanent plants include trees such as coconut trees, apple trees, grape trees, banana trees, pineapple trees etc.

Number of Trees:

These include mature trees and premature trees.

Number of mature plants:

A. total of fruit bearing trees (e.g. mango trees, orange trees, avocado trees e.t.c).

Instructions for permanent monocrops and crop mix:

- A. For a field with permanent monocrop enter farm size in column 3.
- B. For a field with a permanent crop mix or a temporary crop mix, enter the number of trees only in column 4.
- C. For a field with a permanent crop mix /temporary annual crops, either:
 -Enter the area in column 4, if the total area for permanent crops was obtained through calculation of percentages of each crop
 OR
 Enter the number of tree in column 5, if the number of plants/ seedlings of permanent crops was available.

21 Cassava: Cassava is a temporary crop, in order to simplify data collection on areas of production, data on cassava will be collected from areas under permanent crops.

Permanent crops: (crop oils)

Code	Crop	Area per crop
44	Palm Trees	0.00049
45	Coconut tree	0.00037
46	Cashew nut trees	0.00062

Permanent crops (Cash crops)

Code	Crop	Area per crop
53	Sisal	0.00012
54	Coffee	0.00049
55	Tea	0.00037
56	Cocoa	0.00049
57	Rubber	0.00039
58	Wattle	0.00039
59	Kapok	0.00124
60	Sugar-cane	0.00012
61	Cardamon	0.00049
63	Tamarin	0.00039
64	Charmon	0.00124
65	Nutmeg	0.00039
66	Clove	0.00074
18	Black pepper	0.00037
34	Pigeon Peas	0.00025
21	Cassava	0.00019
75	Pineapple	0.00006
86	Lemon Grass	

Permanent crops:

Code	Crop	Area per crop
70	Passion Fruit	0.00074
71	Bananas	0.00037
72	Avocado	0.00099
73	Mango	0.00099
74	Pawpaw	0.00037
76	Orange	0.00074
77	Grape fruit	0.00074
78	Grape	0.00012
79	Mandarin	0.00074
80	Guava	0.00074
81	Plums	0.00074
82	Apples	0.00074
83	Peaches	0.00074
84	Miyoksi	0.00074
85	Lime/lemon	0.00074
68	Pomelo	0.00099
69	Jack Fruit	0.00074
97	Durian	0.00074
98	Bilimbi	0.00074
99	Rambutan	0.00074
67	Bread Fruit	0.00099
38	Malay apple	0.00074
39	Siar Fruit (Sakua)	0.00074

Definitions and working page for page 9

Storage (Col. 33, Q 5.3.1):

- **Traditionally Made structures:** The design of storage structures villagers have inherited from forefathers .
- **Improved Traditionally made structures:** The design of traditional storagesstructures improved through modern technology.

Marketing Challenges Q 5.3.1 Col. 35:

- **Farmers' Association:** Village farmers who came together and started an association for the purposes of purchasing inputs/selling/storage of crops aiming at fetching better prices.
- **Cooperative Union:** A large inter-village/community set up in the district/ region or at national level for providing inputs, markets and storage of farmers' crops.
- **Government Regulatory laws for crops marketing:** Government Instituted laws for regulating transportation and selling of crops.

Inputs (Q 5.3.1)

- Farm Yard Manure:** An organics fertiliser made on farm from animal dung.
- Compost:** An organic fertiliser made on farm from decomposed plant materials.
- Insecticides:** This is the chemical usde in protecting plants or killing pests.
- Fungicides:** Protects plants from fungi attack.
- Herbicide:** Chemicals used to control or kills weeds.
- Improved seeds:** Scientifically attested to be suitable for agricultural use.

Working area/calculation space

Questions specific definitions

Q 5.3.1. Instructions on crops storage :

1. For the listed crops establish whether or not the household stored crops for 2007/2008 agricultural season.
2. For the listed crops give explanations on storage.

Q 5.3.1 Col 35

1. For each of crops listed indicate major marketing problems for 2007/2008 agricultural season.

Definitions and working page for page 10

Investment in agriculture

Investment activities:

Investment activities refer to medium to long term farm development structures and projects. This can be irrigation structures, erosion control and water harvesting structures or other permanent or semi-permanent investment made on the land that the household owns.

Irrigated farming: Section 6.5:

Source of irrigation water (Col 1): The main source of the water used for irrigation.

Method of obtaining water (Col 2): The mechanism by which the water is extracted from the source

Irrigatable area (Col 3): The area the irrigation system is designed to cover in acreage

Area of irrigated land during the 2007/08 (Col 5): Area of land under irrigation during the 2007/08 agricultural year. This is the actual area and NOT the cumulative areas recultivated in 2 or more cropping seasons.

Farm Implements (Col. 1):

Machette : Include all implements use in tree cutting namelycicle, etc.

Sprinkler: The pump carried on the back or a hand used water pump

Hand used small tractor: A small tractor used in cultivation while the user walks on foot (see photo).



Section 6.2 Use of draft animals

Animals used in agricultural activities by the household during 2007/08 agricultural season.

Castrated Bulls: Castrated oxen meant for use in agricultural production.

Uncastrated Bulls: mature bulls used for garicultural activities but are not castrated.

Cow: Farmers also use mature female cattle in agricultural activities due to shortage of bulls

Donkey: Mature Male or female donkeys are also used for agricultural production.

Q 6.5 Irrigation.

1. If a household uses irrigated farming give explanations on source and method of obtaining water. .

2. **See Col 10, Q. 5.1.1 and 5.2.1 and Col 12, Q 5.3.1** to see if irrigation was applied to any crop.

Farm implements, Q 6.1:

1. Column 2 Indicate whether or not inputs were used

2. Complete column 3 by entering the number of inputs used.

Farm inputs: Sections 6.3 and 6.4

1. Column 2 Indicate whether or not inputs were used.

2. Complete column 3 by indicating where the inputs were obtained and column 4 by indicating the distance from where the inputs were obtained

Compost: An organic fertiliser made on farm from decomposed plant materials.

Insecticides: This is the chemical use in protecting plants or killing pests.

Fungicides: Protects plants from fungi attack.

Herbicide: Chemicals used to control or kills weeds.

Improved seeds: Scientifically attested to be suitable for agricultural use.

Definitions and working page for page 11

Q 6.6

The type of erosion control/Water harvesting (Col 1)

Terraces: Structures constructed on mountain slopes to provide flat terrain for crop planting.

Erosion control bunds: these are banks of earth/stones built perpendicular to the slope to slow down the speed of water and thus preventing soil erosion. Its differs from terraces in that the soils on these banks are not at ground level .

Gabions: A box like structure made of wire and filled with large stones to prevent gully erosion.

Sand bags: Are used in controlling and preventing gully erosion
Tree belt/wind breaks: Trees planted against the wind direction for breaking wind speed..

Section 7.0 Acces to credit for crop or livestock production

Credit refers to something provided in cash or in kind (such as farm inputs, machines, livestock and other things) for crop or livestock production. The value of the credit must be repaid back to the lender. An Interest may or may not be attached to the value of the credit

The credit may be repaid either in cash or through farm produce to be harvested .

In this question the enumerator is at liberty to inquire up to three sources of credit where the farmer accessed credit from more than one source.

Section 8.0 Agricultural Extension Services

Agricultural Extension Services: Refers to educational services provided to farmers by extension officers for the purposes of increasing crop and livestock production.

Share-cropping: Refers to farming where smallholder / Smallscale farmer enters into an agreement with large scale farmer where the former sells produce to the latter in exchange of provisions of farm inputs and the like. .

Contract farming Farming: Farming agreement entered between smallscale and large scale farmers with regards to markets of farm produce and provision of farm inputs

Q 6.6 Number of water harvesting structures and year of construction

1. The number water harvesting structures refers to the number of working / maintained structures and does not include derelict or irreparable structures.

2. Year of construction refers to the year in which the structures were built, and not the year the structures were last repaired. The year should be written in figures e.g. 1998, 2006.

Section 7.0 Source of agriculture credit

If the farmer obtained credit from more than one source the use the code from the list provided. Start with the main source of credit in Section "7.1.1".a

Section 8.0 Agricultural extension services

1. Ask if the household did receive agricultural extension services during 2007/08 agricultural season from the respondents listed in column 1, then enter column 2.

2. Complete all columns for every extension officer.

6.6 SOIL EROSION		Identification <input type="checkbox"/>	
6.6.1 Did the household experience soil erosion during 2007/08 agriculture year? (Yes-1, No-2)		<input type="checkbox"/>	
6.6.2 Did the household applied any methods for erosion control/water harvesting during 2007/08 agricultural year? (Yes=1, No =2) (If the answer is No, Proceed to Section 7.0)		<input type="checkbox"/>	
Na.	Mechanisms of controlling erosion/ Water harvesting (1)	Number of water harvesting (2)	Year of construction (3)
6.6.3	Terraces	<input type="checkbox"/>	<input type="checkbox"/>
6.6.4	Bunks for erosion control	<input type="checkbox"/>	<input type="checkbox"/>
6.6.5	Gabions/sand bags	<input type="checkbox"/>	<input type="checkbox"/>
6.6.6	Vetiva leaves	<input type="checkbox"/>	<input type="checkbox"/>
	Type of erosion control/water harvesting (1)	Number of water harvesting (2)	Year of construction (3)
6.6.7	Tree belt	<input type="checkbox"/>	<input type="checkbox"/>
6.6.8	Soil bunks of water harvesting	<input type="checkbox"/>	<input type="checkbox"/>
6.6.9	Trenches	<input type="checkbox"/>	<input type="checkbox"/>
6.6.10	Other	<input type="checkbox"/>	<input type="checkbox"/>
7.0 ACCESS TO ON FARM CREDITS			
7.1 Is there any household member who accessed on farm credit during 2007/08 agriculture year? Yes=1, No=2 (If answer is NO, Proceed to Section 7.2)			
SELECT UP TO THREE SOURCES AND PROCEED TO QUESTIONA 8.0			
(Source of credit (9.7.1.1, 7.1.2, 7.1.3)) Relative.....1 Saccos.....4 NGO/Development projects.....7 Bank.....2 Busineman/Shop.....5 Cooperative Union.....3 Private individuals.....6 Other.....9		Source of credit	7.1.1a 7.1.2a 7.1.3a
		Credit provided to	7.1.1b 7.1.2b 7.1.3b
		(Male=1, Female=2)	<input type="checkbox"/>
7.2 IF THE ANSWER TO QUESTION 7.1 IS NO			
Give reasons for not accessing credit			
(Reasons for not accessing credit (9.7.2) COL Not required1 Did not to be indebted.....3 Did nott know how to access credit.....5 Credit delayed.....7 Did not credit existed.....9 Not available2 High interest rates.....4 Bureaucracy.....6 Other (Specify).....8			
8.0 ADVISORY SERVICES IN AGRICULTURE			
8.1 Did the household participate in outgrowers scheme during 2007/08 agriculture year? (Yes=1, No=2)			
8.2 Did the household participate in the contract farming during 2007/08 agriculture year? (Yes=1, No=2)			
8.3 Did your household receive agricultural advise on the following : (IF THE ANSWER IS NO IN COL 2 PROCEED TO THE FOLLOWING QUESTION			
Na.	Advise on agriculture (1)	Received advice (Yes=1, No=2) (2)	Source of advise (3)
8.3.1	Spacing	<input type="checkbox"/>	<input type="checkbox"/>
8.3.2	Use of agrochemicals	<input type="checkbox"/>	<input type="checkbox"/>
8.3.3	Soil erosion control	<input type="checkbox"/>	<input type="checkbox"/>
8.3.4	Use of organic manure	<input type="checkbox"/>	<input type="checkbox"/>
8.3.5	Matumizi ya mbolea za viwandani	<input type="checkbox"/>	<input type="checkbox"/>
8.3.6	Use of improved seeds	<input type="checkbox"/>	<input type="checkbox"/>
8.3.7	Use of modern farm implements	<input type="checkbox"/>	<input type="checkbox"/>
8.3.8	Irrigation	<input type="checkbox"/>	<input type="checkbox"/>
8.3.9	Crop Storage	<input type="checkbox"/>	<input type="checkbox"/>
8.3.10	Pest control	<input type="checkbox"/>	<input type="checkbox"/>
8.3.11	Other (Specify)	<input type="checkbox"/>	<input type="checkbox"/>
(Source of agricultural advice (Cokl. 3) Government.....1 NGO/Development project.....2 Cooperative.....3 Large Scale farmer.....4 Ratdio/Newspapers.....5 Neighbour.....6 Other source.....8			

Definitions and working page for page 12

Q 9.1 and 9.3 : What is required is to establish whether or not the household kept or raised the listed livestock during 2007/08 agricultural season (i.e. from October 2007 to September 2008). Also to establish the number of livestock as of 1st October 2008

Keeping or raising livestock is to keep livestock at home while providing the livestock with animal feeds and medication and other services. The livestock could be owned by the farmer or kept on behalf of relatives or neighbours .

Sections 9.1.1 to 9.1.7 Cattle

Note:

Q 9.1 is for the actual number of cattle owned or kept by the household (as of 1st October 2008). This number does not include herds of cattle kept on behalf by relatives or neighbours; that is, the cattle outside the residential area of the household under survey.

1. If the the household keep mature fecund female cattle, it is expected that such a household will have calves which will be entered in question 9.1.6 or 9.1.7

Type of cattle (section 9.1.1 to 9.1.7)

Bull: Mature uncastrated male cattle used for breeding

Cow: Mature female cattle that has given birth at least once

Ox: Castrated male cattle used for farm work

Steer: Castrated male cattle used for meat

Heifer: Female cattle of 1 year up to the first calving

Section 9.3 Goat

Note:

Question 9.3 is for the actual number of owned or raised by the household (as of 1st October 2008) This number does not include goats kept on behalf by relatives or neighbours, that is the goat outside the residential area of the household under survey.

1. If the household has she goats, you would normally expect them to have kids

Type of Goat (Qs 9.3.1 to 9.3.5)

Billy Goat (he-goat): Mature Uncastrated male goat used for breeding

Castrated goat: Male goat that has been castrated

She Goat: Mature female goat over 9 months of age

9.0 LIVESTOCK (LIVESTOCK AND FISH)		Identification <input type="text"/>																					
9.1 CATTLE		Did your household keep or raise cattle during 2007/08 agriculture year? Yes=1, No= 2 (If the answer is No proceed to Section 9.3) <input type="text"/>																					
9.1.1		Number of cattle as of 1.10.2008																					
No.	Type of cattle	Number of indigenous cattle (2)	Number of improved cattle		Total (5)																		
			for meat (3)	Dairy (4)																			
9.1.1	Castrated bulls	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>																		
9.1.2	uncastrated bulls	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>																		
9.1.3	Cows	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>																		
9.1.4	Steers	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>																		
9.1.5	Heifer	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>																		
9.1.6	Male calves	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>																		
9.1.7	Female calves	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>																		
Grand total					<input type="text"/>																		
9.1.8		What main methods do you use to identify your cattle? <input type="text"/>																					
<table border="1" style="width: 100%;"> <tr> <th colspan="6">Cattle identificatio methods</th> </tr> <tr> <td>Iron stamp (chapa moto).....1</td> <td>Throat....2</td> <td>Ear/tail cutting.....3</td> <td colspan="3"></td> </tr> <tr> <td>Colour.....4</td> <td>Earings...5</td> <td>Other8</td> <td colspan="3"></td> </tr> </table>						Cattle identificatio methods						Iron stamp (chapa moto).....1	Throat....2	Ear/tail cutting.....3				Colour.....4	Earings...5	Other8			
Cattle identificatio methods																							
Iron stamp (chapa moto).....1	Throat....2	Ear/tail cutting.....3																					
Colour.....4	Earings...5	Other8																					
9.2 Milk production: CATTLE																							
Na.	Season (1)	Type of cattle (2)	Number of milked cows (3)	Average of milk per cow per day (litre) (4)	Average number of days which your cows were milked (5)	Average price per litre per season (6)																	
9.2.1	Rainy	Improved	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>																	
9.2.2		Indigenous	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>																	
9.2.3	Dry	Improved	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>																	
9.2.4		Indigenous	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>																	
9.3 GOAT																							
Did your household keep or raise cattle during 2007/08 agriculture year? Yes=1, No= 2 (If the answer is No proceed to Section 9.3) <input type="text"/>																							
Number of goats as of 1.10.2008																							
Na.	Type of goat (1)		Number of indigenous goat (2)	Number of improved for meat (3) Dairy (4)		Total (5)																	
9.3.1	Male uncastrated goat		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>																	
9.3.2	Male castrated goat		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>																	
9.3.3	She goat		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>																	
9.3.4	Male kid		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>																	
9.3.5	She kid		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>																	
Grand total					<input type="text"/>																		
Milk Production: GOAT																							
Na.	Season (1)	Number of ilked goats (2)	Average of milk per goat per day (litre) (3)	Average number of days which your she goats were milked (4)	Average price per litre per season (5)																		
9.3.6	Rainy	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>																	
9.3.7	Dry	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>																	

Definitions and working page for page 13

Q 9.1 and 9.3 : What is required is to establish whether or not the household kept or raised the listed livestock during 2007/08 agricultural season (i.e. from October 2007 to September 2008). Also to establish the number of livestock as of 1st October 2008

Keeping or raising livestock is to to keep livestock at home while providing the livestock with animal feeds and medication and other services. The livestock could be owned by the farmer or kept on behalf of relatives or neighbours .

Sections 9.4 Sheep

Note:

Q 9.4 is for the actual number of sheep owned or kept by the household (as of 1st October 2008). This number does not include sheep kept on behalf by relatives or neighbours; that is, the sheep outside the residential area of the household under survey.

1. If the the household keep ewes, it is expected that such a household will have calves which will be entered in question 9.1.6 or 9.1.7

Type of Sheepe (Section 9.4.1 to 9.4.5)

Ram: Mature Uncastrated male sheept used for breeding

Castrated sheep: Male sheep that has been castrated

Ewe: Mature female sheep over 9 months of age

Lamb: Young sheep under 9 months of age.

Section 9.5 Pigs

Note:

Question 9.3 is for the actual number of pigs owned or raised by the household (as of 1st October 2008). This number does not include pigs kept on behalf by relatives or neighbours, that is the cattle outside the residential area of the household under survey. .

1. If the household has she goats, you would normally expect them to have kids in column

Type of Pigs (Qs 9.5.1 to 9.5.5)

Boar: Mature Uncastrated male pig used for breeding

Sow: Mature female pig that has given birth to at least one ltter of pigs.

Gilt; Female pig of over 3 months up to the first farrowing

Piglet: Young pig less than 3 months of age

Identification <input type="text"/>									
9.4 SHEEP					9.5 PIGS				
Did your household keep or raise cattle during 2007/08 agriculture year? Yes=1, No= 2 (If the answer is No proceed to Section 9.5) <input type="text"/>					Did your household keep or raise cattle during 2007/08 agriculture year? Yes=1, No= 2 (If the answer is No proceed to Section 9.6) <input type="text"/>				
Number of sheep as of 1.10.2008					Number of pigsp as of 1.10.2008				
Na.	Type of sheep	Number of indigenous	Number of improved	Total	Na.	Type Pigs	Number of pigs		
	(1)	(2)	(3)	(5)		(1)	(2)		
9.4.1	Ram	<input type="text"/>	<input type="text"/>	<input type="text"/>	9.5.1	Boar	<input type="text"/>		
9.4.2	Castrated sheep	<input type="text"/>	<input type="text"/>	<input type="text"/>	9.5.2	Castrated male	<input type="text"/>		
9.4.3	She sheep	<input type="text"/>	<input type="text"/>	<input type="text"/>	9.5.3	Sow/Gilt	<input type="text"/>		
9.4.4	Male lamb	<input type="text"/>	<input type="text"/>	<input type="text"/>	9.5.4	Male piglet	<input type="text"/>		
9.4.5	Female lamb	<input type="text"/>	<input type="text"/>	<input type="text"/>	9.5.5	Female piglet	<input type="text"/>		
Grand total				<input type="text"/>	Grand total				<input type="text"/>
9.6 OTHER LIVESTOCK									
	Aina ya mnyama	Number as of 1 October 2008	Idadi ya Mayai 07/08 agriculture ye		Type of animal	Number as of 1 October 2008	Number of Eggs 2007/08 agriculture ye		
	(1)	(2)	(3)		1	(2)	(3)		
9.6.1	Local chicken	<input type="text"/>	<input type="text"/>		9.6.6	Turkeys	<input type="text"/>		
9.6.2	Layers	<input type="text"/>	<input type="text"/>		9.6.7	Rabbit	<input type="text"/>		
9.6.3	Broilers	<input type="text"/>	<input type="text"/>		9.6.8	Donkeys	<input type="text"/>		
9.6.4	Ducks	<input type="text"/>	<input type="text"/>		9.6.9	Horses	<input type="text"/>		
9.6.5	Guinea pigs	<input type="text"/>	<input type="text"/>		9.6.10	Dogs	<input type="text"/>		

Definitions and working page for page 14**Control of livestock diseases causing bugs**

Livestock worm control medicine: Medicine used to kill or control livestock on livestock . It is often used for cattle, goats, sheep and pigs.

Tiick: Is a dangerous bug that sucks blood form livestock and transmits animals diseases from one to the other animal.

Tse tse fly: A fly like bug that sucks blood from livetsock and transmits diseases sleewping sickness from one to the other animal.

Livestock advice (Section 9.8)

IA service provided by extension officers to livestock keepers for increasing livestock production.

9.7 LIVESTOCK DISEASES AND PEST CONTROL		Identificatio																																																				
Did you livestock during 2007/08 agriculture year? (Yes=1, No=2) (If the answer is No proceed to Section 9.7.5)		<input type="checkbox"/>																																																				
Which animals did your deworm? (Yes=1, No =2, Not applicable=3 in the relevant box)		<input type="checkbox"/>																																																				
9.7.1 Cattle <input type="checkbox"/>	9.7.2 Goat/Sheep <input type="checkbox"/>	9.7.3 Pigs <input type="checkbox"/>																																																				
9.7.5 Do you experience tick problem with your livestock? (Yes =1, No = 2, Not applicable 3)		<input type="checkbox"/>																																																				
9.7.6 How did you control tick problem? <i>Control method (Q. 9.7.6):</i> Dipping.....1 Spaying.....2 Application of medicine on back bone.....3 None.....4 Other.....8		<input type="checkbox"/>																																																				
9.7.7 Do you experience Tse tse problem with your livestock? (Yes =1, No = 2, Not applicable 3)		<input type="checkbox"/>																																																				
9.7.8 How did you control Tse tse problem with your livestock? <i>Control method (Q. 9.7.8):</i> Dipping.....1 Spaying.....2 Traps.....3 None.....4 Other.....8		<input type="checkbox"/>																																																				
9.7.9 Do you experience Newcastle disease problem with your poultry? (Yes =1, No = 2, Not applicable 3)		<input type="checkbox"/>																																																				
9.7.10 How do you control Newcastle disease problem with your poultry? <i>Control/Curative methods (Q. 9.7.10)</i> Vaccination.....1 Herbs.....2 None.....3		<input type="checkbox"/>																																																				
9.7.11 Did you experience Fowl Typhoid with your poultry? Yes=1, No=2, Not applicable=3		<input type="checkbox"/>																																																				
9.7.12 How did you control/ cure Fowl Typhoid with your poultry? <i>Control/curative methods (Swali 9.7.12)</i> Vaccination.....1 Herbs.....2 Noe.....3		<input type="checkbox"/>																																																				
9.7.13 Were your cattle vaccinated against the following diseases? (Yes = 1, No = 2, Not applicable=3). 9.7.13 A: Foot and Mouth diseases <input type="checkbox"/> 9.7.13 B: Skin disease <input type="checkbox"/>		<input type="checkbox"/>																																																				
<p>NOTE : If answers to Qs 9.1 to 9.6 is No (THAT IS THE HOUSEHOLD DOES NOT RAISE LIVESTOCK) Proceed to q.9.9</p>																																																						
<p>9.8 Extension services on livestock</p> <p>Did you receive the following extension advice on the following? (IF THE ANSWER IS NO IN COL 2 PROCEED TO THE FOLLOWING QUESTION)</p> <table border="1"> <thead> <tr> <th>Na.</th> <th>Livestock extension advice (1)</th> <th>Received Extension advice (Yes=1, No=2) (2)</th> <th>Source of Extension (3)</th> </tr> </thead> <tbody> <tr><td>9.8.1</td><td>Feed and better feeding methods</td><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr> <tr><td>9.8.2</td><td>Improved livestock shed (Goat, Dairy cattle, Poultry and pigs)</td><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr> <tr><td>9.8.3</td><td>Milking and hygiene</td><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr> <tr><td>9.8.4</td><td>Cattle fattening</td><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr> <tr><td>9.8.5</td><td>Livestock diseases control</td><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr> <tr><td>9.8.6</td><td>Livestock keeping in line with land availability</td><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr> <tr><td>9.8.7</td><td>Pasture establishment and maintenance</td><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr> <tr><td>9.8.8</td><td>Forming and strengthening groups/cooperatives</td><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr> <tr><td>9.8.9</td><td>Calf rearing</td><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr> <tr><td>9.8.10</td><td>Basics of production and use of improved bulls (AI)</td><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr> <tr><td>9.8.11</td><td>Animals feed production</td><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr> <tr><td>9.8.12</td><td>Other extension advice (Specify)</td><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr> </tbody> </table> <p><i>Source of agriculture extension (Swima 3)</i> Government.....1 NGO/Development project.....2 Cooperative Union.....3 Large Scale farmer.....4 Radio/TV/Newspaper.....5 Neighbour.....6 Other source8</p>			Na.	Livestock extension advice (1)	Received Extension advice (Yes=1, No=2) (2)	Source of Extension (3)	9.8.1	Feed and better feeding methods	<input type="checkbox"/>	<input type="checkbox"/>	9.8.2	Improved livestock shed (Goat, Dairy cattle, Poultry and pigs)	<input type="checkbox"/>	<input type="checkbox"/>	9.8.3	Milking and hygiene	<input type="checkbox"/>	<input type="checkbox"/>	9.8.4	Cattle fattening	<input type="checkbox"/>	<input type="checkbox"/>	9.8.5	Livestock diseases control	<input type="checkbox"/>	<input type="checkbox"/>	9.8.6	Livestock keeping in line with land availability	<input type="checkbox"/>	<input type="checkbox"/>	9.8.7	Pasture establishment and maintenance	<input type="checkbox"/>	<input type="checkbox"/>	9.8.8	Forming and strengthening groups/cooperatives	<input type="checkbox"/>	<input type="checkbox"/>	9.8.9	Calf rearing	<input type="checkbox"/>	<input type="checkbox"/>	9.8.10	Basics of production and use of improved bulls (AI)	<input type="checkbox"/>	<input type="checkbox"/>	9.8.11	Animals feed production	<input type="checkbox"/>	<input type="checkbox"/>	9.8.12	Other extension advice (Specify)	<input type="checkbox"/>	<input type="checkbox"/>
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Definitions and working page for page 15

General definitions

Fish farming: Refers to the rearing/production of fish. It is different from fishing in that in fish farming the fish have to be reared. While in fishing, fishing nets or traps are used to catch fish from rivers, lakes and the sea; thus fishing should not be included in this section

Question Specific Definitions (Q 9.9)

Production unit number (Col 1): A production unit is a pond river/lake which is treated as a separate entity for the production of fish eg it may be by virtue of manageable size, maturity of fish, type of fish etc. eg. a farmer may have 3 fish ponds (each one is a separate production unit).

Frequency of stocking (Col . 5): What is the number of time the farmer puts new fingerlings into the pond each year.

Fingerlings: These are young immature fish used for stocking ponds.

Sols: (Col 10 & 11)

If no fish were sold enter "0" in column 10 and 11'

Fish sold (Col.12)

Kama hakuna samaki waliouzwa jaza "0" katika safuwima 12

Working space for page 15

9.9 FISH FARMING		Identification										
Did your household practice fish farming? Yes=1, No=2 (If the answer is no proceed to section 9.10)												
Give details on the fish farming during 2007/08 agriculture year												
No.	Number of Ponds	Area ya ufugaji (m ²)	Source of fingerlings	What is the frequency of stocking during the period?	Total number of stoked fish			Crabs	Iulu	Total number of fish harvested	Total weight of all fish	
					Tinjaja	Mwatiko	(9)				(10)	waliovuliwa (kg)
9.9.1	1											
9.9.2	2											
9.9.3	3											

Standard of services to the pond (Col 4)
 From the pond.....1 Neighbour.....4
 Government.....2 Business man.....5
 NGO/Development Project.....3 Natural Pond.....6
 Other.....8

Type of farming (S Col 2)
 Natural pond.....1
 Small earth pond.....2
 Large pond.....3
 Other.....8

Source of fingerlings (Col 4)
 From the pond.....1 Neighbour.....4
 Government.....2 Business man.....5
 NGO/Development Project.....3 Natural Pond.....6
 Other.....8

mainly sold to? (Col 14)
 Neighbour...1 Auction.....3 Large Scale farmers.....5
 Open market....2 Fish processing industry...4 Private business people ...6
 Did not sell.....7 Other8

9.10 HONEY PRODUCTION
 Is there honey production/harvesting in your household? Yes=1, No=2 (If answer is no PROCEED to Section 9.11)

Give details on honery harvesting during 2007/08 agriculture year						
Type of honey	Harvesting done? (Yes=1, No=2)	Number of improved bee hives	Number of local bee hives	Amount sold per year (litre)	Amount of honey sold (litre)	Price per litre
Small bees	(2)	(3)	(4)	(5)	(6)	(7)
Large bees						

Honey outlet Co 8
 Neighbour...1 Auction.....3
 Large Scale farmers.....5
 Open market....2 Fish processing industry...
 Private business people ...6
 Did not sell.....7

9.11 AGRICULTURAL CHALLENGES
 From the list of challenges in farming on the right of the page, SELECT FIVE MAIN CHALLENGES WHICH constrain your development in agriculture

No	With first five priorities	Code
	(1)	(2)
9.11.1	Priority 1	
9.11.2	Priority 2	
9.11.3	Priority 3	

No	Important for	Code
	(1)	(2)
9.11.4	Priority 4	
9.11.5	Priority 5	

- 01 Land availability
- 02 Land ownership
- 03 Poor farm implementis
- 04 Soil fertility
- 05 Availability of improved seeds
- 06 Irrigation services
- 07 Availability of agrochemicals
- 08 Cists of farm inputs
- 09 Extension services
- 10 Availability of forest resources
- 11 Hunting and collection problems
- 12 Water availability
- 13 Access to credits
- pastoralists

- 14 Lack of off farm incomes
- 15 Harvesting problems
- 16 Kupukuchua
- 17 Crop storage
- 18 Crop processing
- 19 Market information
- 20 High transportation costs
- 21 Destructive animals
- 22 Crop theft
- 23 Pests and diseases
- 24 Advice from Local government
- 25 Long dry spells
- 26 Conflicts between livestock keepers and

LIST OF CHALLENGES

Definitions and working page for page 16**10.0 Household poverty indicators****Number of rooms used for sleeping in the household (Q 10.1.4)**

Include sitting room, during room, kitchen, etc if used for sleeping.

It also includes rooms outside the main dwelling

A room is defined as a space which is separate from the rest of the building by a permanent wall or division. A building / house that is not divided into rooms is considered to have one room.

Household assets (Q 10.2):

There assets must be functionin. Do not include if broken.

Access to drinking water (Q 10.4):

If there is more than one source use the one, which the hh uses most frequently.

Main source of hh cash income:(Q 10.7:

Activity that provides the hh with the most can during 2007/08 agricultural season.

10.0 POVERTY INDICATORS		Identification <input type="text"/>																																							
<p>10.1 HOUSE CONSTRUCTION Specify materials used in the construction of the following schemu zifuatazo</p> <p>10.1.1 Roof <input type="checkbox"/> 10.1.2 Floor <input type="checkbox"/> 10.1.3 Wall <input type="checkbox"/></p> <div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p>Roofing materials</p> <p>Iron sheets.....1 Tiles.....2 Concrete.....3 Asbestos.....4 Grass/Makuti.....5 Grass and mud.....6 Other.....8</p> </div> <div style="width: 48%;"> <p>Floor materials</p> <p>Earthen material.....1 Wood.....2 Wooden tiles.....3 Tiles.....4 Cement.....5 Other.....8</p> </div> </div> <div style="border: 1px solid black; padding: 5px; margin-top: 5px;"> <p>Main materials</p> <p>Grass and pieces of woods.....1 Mud.....2 Wet bricks.....3 Burnt bricks.....4 Wood.....5 Block bricks.....6 Stonese.....7 Bricks /Mawe ya kichanga.....8</p> </div> <p>10.1.4 Number of bedrooms <input type="text"/></p>	<p>10.2 Household property Does your household own the following?, (Yes=1 No =2)</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Number</th> <th>Property</th> <th>Yes=1, No=2</th> </tr> <tr> <th></th> <th>(1)</th> <th>(2)</th> </tr> </thead> <tbody> <tr><td>10.2.1</td><td>Radio (Radio, Radio Casette, music system)</td><td><input type="checkbox"/></td></tr> <tr><td>10.2.2</td><td>Land line</td><td><input type="checkbox"/></td></tr> <tr><td>10.2.3</td><td>Cell phone</td><td><input type="checkbox"/></td></tr> <tr><td>10.2.4</td><td>Iron</td><td><input type="checkbox"/></td></tr> <tr><td>10.2.5</td><td>Trolley</td><td><input type="checkbox"/></td></tr> <tr><td>10.2.6</td><td>Bicycle</td><td><input type="checkbox"/></td></tr> <tr><td>10.2.7</td><td>Vehicle</td><td><input type="checkbox"/></td></tr> <tr><td>10.2.8</td><td>TV/ Video</td><td><input type="checkbox"/></td></tr> <tr><td>10.2.9</td><td>Refrigerator</td><td><input type="checkbox"/></td></tr> <tr><td>10.2.10</td><td>Motorbike/vespa</td><td><input type="checkbox"/></td></tr> </tbody> </table>					Number	Property	Yes=1, No=2		(1)	(2)	10.2.1	Radio (Radio, Radio Casette, music system)	<input type="checkbox"/>	10.2.2	Land line	<input type="checkbox"/>	10.2.3	Cell phone	<input type="checkbox"/>	10.2.4	Iron	<input type="checkbox"/>	10.2.5	Trolley	<input type="checkbox"/>	10.2.6	Bicycle	<input type="checkbox"/>	10.2.7	Vehicle	<input type="checkbox"/>	10.2.8	TV/ Video	<input type="checkbox"/>	10.2.9	Refrigerator	<input type="checkbox"/>	10.2.10	Motorbike/vespa	<input type="checkbox"/>
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10.2.10	Motorbike/vespa	<input type="checkbox"/>																																							
<p>10.3 Energy use and availability in the household</p> <p>Main source of energy</p> <p>10.3.1 Lighting <input type="checkbox"/> 10.3.2 Cooking <input type="checkbox"/></p> <div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p>Nishati za Kuangazia</p> <p>Umeme.....01 Sola.....02 Gesi (biogas).....03 Taa ya kandili.....04 Karabai.....05 Kibatari.....06 Mishumaa.....07 kuni.....08 Nyingine.....98</p> </div> <div style="width: 48%;"> <p>Nishati za kupikia</p> <p>Umeme.....01 Sola.....02 Gesi (biogas).....03 Gesi (Kiwandani).....04 Mafuta ya taa.....05 Mkaa.....06 Kuni.....07 Mabaki ya Mazao.....08 Kinyesi cha Wanyama.....09 Nyingine.....98</p> </div> </div>	<p>10.4 Availability of drinking water</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Season</th> <th>Main source of water</th> <th>Distance from source (km)</th> <th>Time spent waiting or going to and from the source (Hours)</th> </tr> <tr> <th>(1)</th> <th>(2)</th> <th>(3)</th> <th>(4)</th> </tr> </thead> <tbody> <tr> <td>10.4.1 Rainy</td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> </tr> <tr> <td>10.4.2 Dry period</td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> </tr> </tbody> </table> <div style="border: 1px solid black; padding: 5px; margin-top: 5px;"> <p>Main source of drinking water Cdi. 2</p> <p>Tape water.....01 Water venders.....09 Artificial well.....02 Boorer.....10 Artificial spring.....03 Bottled water.....11 Openwell.....04 Other (Specify).....98 Natural spring.....05 Lake water, pond, river, stream n etc.....06 Covered Rain water harvesting well.....07</p> </div>					Season	Main source of water	Distance from source (km)	Time spent waiting or going to and from the source (Hours)	(1)	(2)	(3)	(4)	10.4.1 Rainy	<input type="text"/>	<input type="text"/>	<input type="text"/>	10.4.2 Dry period	<input type="text"/>	<input type="text"/>	<input type="text"/>																				
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<p>10.5 Toilet facilities</p> <p>10.5.1 What type of toilet does your household use? <input type="checkbox"/></p> <div style="border: 1px solid black; padding: 5px;"> <p>Type of toilet</p> <p>No toilet in the bush.....1 Pit latrine.....4 Flash toilet.....2 Other type (Specify).....8 Ordinal pit latrine.....3</p> </div>	<p>10.6 Eating patterns</p> <p>10.6.1 How many meals does your household usually get per day? <input type="checkbox"/></p> <p>10.6.2 How days did the household eat meat last week? <input type="checkbox"/></p> <p>10.6.3 How days did the household eat fish last week? <input type="checkbox"/></p> <p>10.6.4 How many times did the household experience food shortages last year? <input type="checkbox"/></p> <div style="border: 1px solid black; padding: 5px; margin-top: 5px;"> <p>Food shortage problems (Swali 10.6.4)</p> <p>Never.....1 Few times.....2 Sometimes.....3 Many times.....4 Often.....5</p> </div>																																								
<p>10.7 Main source of household cash income?</p> <p>10.7.1 What are the sources of household income? <input type="text"/></p> <div style="border: 1px solid black; padding: 5px;"> <p>Code for source of income</p> <p>Selling food crops.....01 Sales of foerst products.....05 Cash assisnatce.....09 Sales of livestock.....02 Business.....06 Fishing.....10 Sales of livestock products.....03 Salaries.....07 Other.....98 Sales of cash crops.....04 Casual labour.....08 None.....99</p> </div>	<p style="text-align: center;">TIME OF FINISHING THE INTERVIEW</p> <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width: 50%;"></td> <td style="width: 25%; text-align: center;">Hour</td> <td style="width: 25%; text-align: center;">Minutes</td> </tr> <tr> <td style="border: 1px solid black; height: 20px;"></td> <td style="border: 1px solid black; text-align: center;"> <input type="text"/> <input type="text"/> </td> <td style="border: 1px solid black; text-align: center;"> <input type="text"/> <input type="text"/> </td> </tr> </table>						Hour	Minutes		<input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/>																														
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Average/maximum yields per area											
Use this table to compare the yields calculated in Sections 5.1, 5.2 and 5.3.											
These stats are strictly to be used as a guide for the purpose of assisting to get the correct area and yields for each crop.											
Name of Crop	Kilogram/ha		Kilogram/acre		Name of Crop	Kilogram/ha		Kilogram/acre			
	Average	Max	Average	Max		Average	Max	Average	Max		
11	Maize	1,150	6,250	466	2,530	86	Cabbage	20,000	50,000	8,097	20,243
12	Paddy	700	4,000	283	1,619	87	Tomatoes	25,000	60,000	10,121	24,291
13	Sorghum	750	3,500	304	1,417	88	Spinach	15,000	17,000	6,073	6,883
14	Bulrush Millet	350	3,000	142	1,215	89	Carrot	25,000	30,000	10,121	12,146
15	Funger Millet	300	2,500	121	1,012	90	Pepper	3,500		1,417	0
16	Wheat	1,150	4,500	466	1,822	91	Amaranthus	20,000	40,000	8,097	16,194
17	Barley	1,400	1,800	567	729	92	Pumpkin	35,000	40,000	14,170	16,194
16	Cassava	3,000	7,000	1,215	2,834	93	Cucumber	5,000	10,000	2,024	4,049
17	Sweet potatoes	600	8,000	243	3,239	94	Egg plant	30,000	60,000	12,146	24,291
18	Irish potatoes	750	8,500	304	3,441	95	Water melon	10,000	20,000	4,049	8,097
19	Yams	4,000	10,000	466	1,822	96	Caouilflower	17,000	20,000	8,097	16,194
25	Coco yams	2,500	5,000	567	729	52	Cotton	800	25,000	14,170	16,194
26	Onions	30,000	50,000	1,215	2,834	54	Coffee	500	100	2,024	4,049
27	Ginger	20,000	30,000	243	3,239	55	Tea	2,500	10,000	12,146	24,291
31	Mahare Beans	400	1,300	304	3,441	56	Cocoa	150	1,000	4,049	8,097
32	Cow peas	300	1,750	121	709	57	Rubber	400	1,400	6,883	8,097
33	Green gram	1,500	1,800	1,012	2,024	58	Wattle			324	10,121
34	Pigeon peas	600	1,500	243	607	59	Kapok			0	0
35	Chick peas	500	1,500	202	607	60	Sugar cane	60,000	150,000	24,291	60,729
36	Bambara nuts	600	4,000	243	1,619	61	Cardamon	3,000		1,215	0
41	Sun flower	600	1,700	243	688	71	Banana	10,000	50,000	4,049	20,243
42	Simsim	300	1,000	121	405	72	Avocado			0	0
43	Gound nuts	600	4,000	243	1,619	73	Mango	10,000	25,000	4,049	10,121
47	Soyabeans	1,300	2,500	526	1,012	74	Pawpaw	50,000	70,000	20,243	28,340
48	Caster seeds	300	750	121	304	76	Orrage	15,000	40,000	6,073	16,194
75	Pineapple	25,000	60,000	10,121	24,291	77	Grape fruit	30,000	50,000	12,146	20,243
50	Cotton	300	1,500	121	607	78	Grapes	5,000	30,000	2,024	12,146
51	Tobacco	500	1,500	202	607	79	Mandarin	15,000	40,000	6,073	16,194
53	Pyrethrum			0	0	80	Quava	7,000	35,000	2,834	14,170
62	Jute	800	3,500	324	1,417	81	Plums			0	0
44	Palm oil	1,150	5,000	466	2,024	82	Tufaha		20,000	0	8,097
45	Cononut	1,500	8,000	607	3,239	83	Pea	15,000	27,000	6,073	10,931
46	Cashw nut	9	60/tree	4	24	84	Pitches	14,000	57,000	5,668	23,077
						66	Clove	4,500	5,000	1,772	1,969
							Black pepper	2,000	3,750		
							Mung'unye				
							Ocra	1,000	1,500		

Appendix V

Community Level Questionnaire

ACQ 3	United Republic of Tanzania		CONFIDENTIAL																															
																																		
																																		
Village/Community Level Formats Access to and Use of Community Resources Farm Gate Prices of commodities produced by the village																																		
 Agricultural Sample Census 2007/2008			NUMBER OF FARMERS HH IN THE VIALLAGE To be filled by the enumerator after compleiteing form ACLF2 _____ NUMBER OF HH MEMBERS To be filled by the enumerator after compleiteing form ACLF2 _____																															
Region	_____	_____	Ward																															
District	_____	_____	Village																															
Enumerator Name _____ Signature _____																																		
Date of Enumeration <table style="width:100%; text-align:center;"> <tr> <td style="border:1px solid black; width:20px; height:20px;"></td> </tr> <tr> <td>d</td><td>d</td><td>m</td><td>m</td><td>y</td><td>y</td><td>y</td><td>y</td> </tr> <tr> <td colspan="2"></td> <td>m</td> <td colspan="6"></td> </tr> </table> Start Time _____ End Time _____										d	d	m	m	y	y	y	y			m							<table border="1" style="width:100%; text-align:center;"> <tr> <td style="width:50%;">Hour</td> <td style="width:50%;">Minutes</td> </tr> <tr> <td style="border:1px solid black; width:20px; height:20px;"></td> <td style="border:1px solid black; width:20px; height:20px;"></td> </tr> <tr> <td style="border:1px solid black; width:20px; height:20px;"></td> <td style="border:1px solid black; width:20px; height:20px;"></td> </tr> </table>		Hour	Minutes				
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Field level checking by: District Supervisor Name _____ Signature _____ Date ____/____/____ Regional Supervisor Name _____ Signature _____ Date ____/____/____ National Supervisor Name _____ Signature _____ Date ____/____/____			I To be filled by the supervisor ONLY after Field/farm level checking of the enumeration process. This should be countersigned by the Supervisor in front of the enumerator																															
District checking in Office District Supervisor Name _____ Signature _____ Date ____/____/____			All questionnaires must be checked at the district office.																															
For Use at Regional Level Only Data entered by: Name _____ Signature _____ Date ____/____/____ Queried Name _____ Signature _____ Date ____/____/____			See the back page for details of queries																															
Ministry of Agriculture and Food Security, Ministry of Livestock and Fisheries Development, Ministry of Agriculture and Environment of Zanzibar, Ministry of Water and Irrigation, Prime Ministers' Office Regional Administration and Local Government, Ministry of Industry Trade and Marketing, National Bureau of Statistics, and the Office of the Government Statistician General of Revolution Governemnet of Zanzibar																																		

Definitions and working page for page 3

Question Specific Definitions:

Obtain answers to the following questions from the meeting between the enumerator and influential farmers in the village
 Influencial people can be Village Chairman, Village Government Executive Officer, Councillor, Ward Chairman, Extension Officer in the village or any other person in the village and who is well informed about village matters. It is important to not that these questions must be asked in groups (of more than one people) to obtain answers discussed and approved by many people.

Definitions of some specific terms

Access to community resources. Section 1.0

Community Resources: Resources in which the hh members have no individual claim to and which are shared together by all the village
Community Land: The area official demarcated by the village as shared/public land.
Squatting farmers Land: Communal land where individual hhs make sole claim to (for crop farming or fenced livestock) without official rights to ownership.
Available remaining Land: Official area of communal land minus areas of squatting farmers.
Government Land Reserve: Area set aside by the government as national reserve

Community tree planting scheme(Section 14.3)

Community Forest: A forest planted on the communal land which is planted, replanted or spt planted by the members of the village.
Plant Planting: An area designated by the village for planting a block of trees.
Spot Planted: Replanting an area where selective logging has been carried out. A tree is planted to replace the one that has been cut.
Indigeous Trees: Trees that are native to Tanzania
Exotic Trees: Trees that are not native to Tanzania

Non Government Organisation: Is managed by people from outside the village and it normally covers more than one village/District/Region. Its function is to provide deveopment assistance to the farmer and is free from direct government links.

Village level organization: is managed by members of the village. Its purpose is normally to access/provide development assistance to the village

ACCESS TO COMMUNAL RESOURCES

1. ACCESS TO COMMUNITY RESOURCES											
1.1 Does the village set aside an area for communal resources e.g. forest, grazing, etc. (Yes=1, No=2) <input type="checkbox"/>											
<i>(If the answer is no proceed to 1.2)</i>											
Area of Community, Village, Ward resources					Area in acre						
1.1.1 Total area of communal land		<input type="text"/>			Official figures from the leader						
1.1.2 Area of squatting farmers in communal land		<input type="text"/>			Key informant (Leader/Extension officer etc.)						
1.1.3 Remaining available communal land		<input type="text"/>			Key informant (Leader/Extension officer etc.)						
1.1.4 Government reserve land		<input type="text"/>			Key informant (Leader/Extension officer etc.)						
1.2 UPAHUKANA/NA MATUMIZI YA MALIASILI ZA JUMUIYA/KIJUSHEHA											
Community Resources		Distance from the resource in Km-season			Main Use		Instructions on distance from the resource (Cols 2 and 3): Distance is estimated from the centre of the village. If under 1 km 1, enter 0 If above 1 km 1 enter whole number, eg: 1, 0.8 m=2km, 1.2, 0.6 m=1km Main uses (Col. 4) Home or farm/livestock consumption... 1 Sold to traders in the village... 2 Sold to the village market... 3 Sold to local wholesalers... 4 Sold to Big wholesalers... 5 Not available... 6				
		Dry			Rainy						
1.2.1 Water for human consumption		<input type="text"/>			<input type="text"/>					<input type="text"/>	
1.2.2 Water for livestock		<input type="text"/>			<input type="text"/>					<input type="text"/>	
1.2.3 Communal grazing land		<input type="text"/>			<input type="text"/>					<input type="text"/>	
1.2.4 Communal firewood		<input type="text"/>			<input type="text"/>					<input type="text"/>	
1.2.5 Wood for charcoal burning		<input type="text"/>			<input type="text"/>					<input type="text"/>	
1.2.6 Wood for building poles		<input type="text"/>			<input type="text"/>					<input type="text"/>	
1.2.7 Forest for bee keeping (honey)		<input type="text"/>			<input type="text"/>					<input type="text"/>	
1.2.8 Hunting		<input type="text"/>			<input type="text"/>					<input type="text"/>	
1.2.9 Fishing		<input type="text"/>			<input type="text"/>		<input type="text"/>				
2.0 COMMUNITY PLANTED TREES											
2.1 Did your village have community planted trees during 2007/08 agriculture year? (Yes=1, No=2) <input type="checkbox"/>											
<i>If the answer is no proceed to Section 3.0</i>											
Details of the community tree planting scheme											
No.	Business from the community forest	Forest Area (acre)	Type of Planting	Type of Trees	Source of seeds/Seedlings	Number of Years since the start of planting	Main uses 2007/08 agriculture year	Main uses of communal forest products			
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)			
2.2	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>			
Type of planting (col. 3)		Source of seedlings (Col. 5)			Main Uses (Col. 7)		Main use of revenue (Col. 8)				
P/Plantation planting..... 1 Spot planting..... 2		Seeds collection and planting..... 1 Village Nursery..... 2 Department of Forestry..... 3 Private Individuals..... 4			Poles..... 1 Wood..... 2 Charcoal..... 3 Firewood..... 4 Other/Specified..... 6		Village development fund 1 Household use..... 2 Household income..... 3				
Type of trees (Col. 4)											
Indigenous trees..... 1 Exotic trees..... 2 Both types..... 3											
3.0 Non governmental Organisation (NGOs) Contact					4.0 Community Based Organisation						
3.1 Did any NGO visit the village during 2007/08 agriculture year? (Yes=1, No=2) (If no proceed to Section 4)					4.1 Did the village have any CBO during the 2007/08 agriculture year? (Yes=1, No=2)						
<input type="checkbox"/>					<input type="checkbox"/>						
Nb.	Type of NGO	Visited Yes=1, No=2	Number of visits	Distance to the office (km)	Nb.	Type of CBO	Nb.	Rep=2			
3.2	Extension/ Research	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	4.2	Extension/ Research	<input type="checkbox"/>				
3.3	Service/ Input provision	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	4.3	Service/ Input provision	<input type="checkbox"/>				
3.4	Community Development	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	4.4	Community Development	<input type="checkbox"/>				
3.5	Other	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	4.5	Other	<input type="checkbox"/>				
5.1 Did the village have Field farm schools during 2007/08 agriculture year? (Yes=1, No=2)					5.2 Did the village participate in any research on crops/ improved livestock during the village during 2007/08 agriculture year? (Yes=1, No=2)						
<input type="checkbox"/>					<input type="checkbox"/>						
5.3 Did the village have local ironsmiths during 2007/08 agriculture year? (Yes=1, No=2) (If the answer is 2 proceed to q. 5.5)					5.5 Did the village have any training centres on draft animals during 2007/08 agriculture year? (Yes=1, No=2) (If number 2 in the answer conclude the enumeration)						
<input type="checkbox"/>					<input type="checkbox"/>						
5.4 Number of local ironsmiths					5.6 Number of training centres for draft animals						
<input type="text"/>					<input type="text"/>						

Appendix V

Village Community Level formats

UNITED REPUBLIC OF TANZANIA		CONFIDENTIAL		
ACLF 1		Page Number..... out of.....		
	Agriculture Sample Census 2007/08			
Sub-village /ward leader listing from				
Region _____ Code	<input type="text"/> <input type="text"/>	Ward _____ Code	<input type="text"/> <input type="text"/>	
District _____ Code	<input type="text"/>	Village _____ Code	<input type="text"/> <input type="text"/>	
Sub village leader Number	Name of Ward village leader	Number of Households		Comments
(1)	(2)	Form Office Register	After enumeration	(5)
<input type="text"/> <input type="text"/> <input type="text"/>		<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	
<input type="text"/> <input type="text"/> <input type="text"/>		<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	
<input type="text"/> <input type="text"/> <input type="text"/>		<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	
<input type="text"/> <input type="text"/> <input type="text"/>		<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	

UNITED REPUBLIC OF TANZANIA

CONFIDENTIAL

ACLF 2



Page Number..... out of.....



Agriculture Sample Census 2007/08



Household listing from-for listing hh heads and agriculture activities

Region _____ Code _____
 District _____ Code _____
 Ward _____ Code _____
 Village _____ Code _____

Name of sub village leader _____
 Name of sub village _____

--	--

Household number (1)	Household head name (2)	Fields a (3)	Number of									If the Respondent Qualifies X (13)	Farmer Serial Number (14)
			Cattle				Goats (8)	Sheep (9)	Pigs (10)	Kuku/Bata/ Rabbit (11) (12)			
			Total (4)	Bulls (5)	Cows (6)	Calves (7)							

United Republic of Tanzania																					
																					
Large Scale Farmer Questionnaire																					
	Agriculture Sample Census 2007/2008																				
																					
Farm address: Tel. Number:																					
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name of Farm</td> <td>.....</td> </tr> <tr> <td>Name of Farmer</td> <td>.....</td> </tr> </table>			Name of Farm	Name of Farmer	For office use only <table border="1" style="width: 100%; height: 30px; border-collapse: collapse;"> <tr> <td style="width: 25%;"></td> <td style="width: 25%;"></td> <td style="width: 25%;"></td> <td style="width: 25%;"></td> </tr> </table>														
Name of Farm																				
Name of Farmer																				
Enumerator's Name		signature																			
Date Enumerated		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%; text-align: center;">d</td> <td style="width: 25%; text-align: center;">m</td> <td style="width: 25%; text-align: center;">y</td> <td style="width: 25%;"></td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td></td> </tr> <tr> <td style="text-align: center;">d</td> <td style="text-align: center;">m</td> <td style="text-align: center;">y</td> <td></td> </tr> </table>	d	m	y						d	m	y		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">Hour</td> <td style="width: 50%; text-align: center;">Minutes</td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> </tr> </table>	Hour	Minutes				
d	m	y																			
d	m	y																			
Hour	Minutes																				
Field level checking by:																					
District Supervisor: Name		signature Date / /																			
Regional Supervisor: Name		signature Date / /																			
National Supervisor: Name		signature Date / /																			
To be completed by the supervisor ONLY after field/farm level checking of the enumeration process. This should be countersigned by the enumerator.																					
District checking in Office:																					
District Supervisor Name		signature Date / /																			
All questionnaires must be checked at the district office.																					
For Use at National Level:																					
Data Entered by Name		signature Date / /																			
Queried Name		signature Date / /																			
See back page for details of query																					
Executed by the Ministry of Agriculture , Food Security, and Cooperatives, Ministry of Livestock Development and Fisheries, Ministry of Water and Irrigation, Ministry of Agriculture, Livestock and Environment Zanzibar, Prime Minister's Office, Regional Administration and Local Governments, Ministry of Industries, Trade and Marketing, the National Bureau of Statistics and the Office of the Chief Government Statistician, Zanzibar																					

Table of Contents

S/N	Topic	Page
1	Identification	1
2	Farm Characteristics	1
3	Land Access and Use	3
4	Annual and Permanent Crops Production	4
5	Use of Secondary Products and Agroprocessing	10
6	Access to Credit for Agriculture Purpose	11
7	Livelihood Constraints	10
8	Input Use	10
9	Livestock Production and Diseases	12
10	Employment in Agriculture	16
11	Outgrower Scheme	16

1.0	IDENTIFICATION DETAILS	
1.1	Location	
S/N	Location Name	Codes
1.1.1	Region	<input type="checkbox"/> <input type="checkbox"/>
1.1.2	District	<input type="checkbox"/> <input type="checkbox"/>
1.1.3	Ward/Shehia	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
2.0	FARM CHARACTERISTICS	
2.1	Using the options below indicate the type of farm ownership	<input type="checkbox"/>
	<div style="border: 1px solid black; padding: 5px; background-color: #ffffcc;"> <p><u>Type of Ownership codes (Q 2.1)</u> Government.....1 Private non registered.....4 Parastatal.2 Other (Specify)5 Private registered3</p> </div>	
2.2	Type of Agriculture Holding	<input type="checkbox"/>
	<div style="border: 1px solid black; padding: 5px; background-color: #ffffcc;"> <p><u>Agriculture holding codes(Q2.2)</u> Crops only.....1 Livestock only2 Crops and Livestock3 Production of Flowers4</p> </div>	

Definition and working page for page 1

General Definitions

Large Scale Agricultural Holding: This is an economic unit of agricultural production. It consists of all livestock kept and all land used for agricultural production without regard to title. For the purpose of this survey, large scale agricultural holdings are restricted to those which meet one of the following conditions:

- Having or operated at least 20 ha of arable land cultivated for crop/vegetable/fruit/tree crop production during the agriculture year 2007/08

and/or

- Own or keep at least fifty head of cattle or 100 goats/sheep/pigs or 1000 chicken/ducks/turkeys/rabbits during the agricultural year 2007/08 (October 2007 to September 2008) .

and/or

- Operates 0.5ha of intensive greenhouse horticulture production (eg cut flowers)

and/or

- keeps 0.5ha of fish farming production units

To be classified as a large holder farm the following criteria must also be met:

Question Specific Definitions:

Type of Agriculture Holdings Codes (Q 2.2):

- **Crops only:** For large scale farming a holding is referred to be a crops only holding if it has cultivated a piece of land equal exceeding 20 hectares or more than 0.5 hectares of intensive greenhouse horticulture production. This also applies to all holdings owning or have kept livestock whose number does not qualify such holding to be a large scale farm (**Less than 50 cattle, less than 100 goats/sheep/pigs, less than 1000 chickens/turkeys/ducks/rabbits, less than 0.5ha of fish farming production units**).

- **Livestock only:** A holding is referred to be a Livestock only holding if it has exercised Livestock husbandry only during the reference agricultural year. For a large scale farm the number of livestock has to be at least 50 head of cattle, 100 goats/sheep/pigs or 1000 chickens/turkeys/ducks/rabbits. This also applies to all holders owning or having cultivated a piece of land less than 20 hectares or owning less than 0.5hectares of intensive greenhouse horticulture production.

- **Both crops and livestock:** A holding is referred to be a both crops and livestock large scale farm if it has cultivated a piece of land equal or exceeding 20 hectares of crops or over 0.5 hectares of intensive greenhouse horticulture production and if such households is owning or have kept over 50 head of cattle, 100 goats/sheep/pigs, 1000

Procedures for Questions:

Q 2.1 Type of farm ownership

If farm is in joint ownership eg government and private entity, select Other and indicate the partners (eg

Q 2.2 Type of agriculture holding

1. Using the options under the question classify the type of agriculture holding

Note: If the farm had 30 hectares of crops and raised 600 chickens during 2007/08 it is classified as '**Crops only**' as the number of chickens do not qualify the holder as keeping livestock.

3.0 LAND USE AND ACCESS			
3.1 LAND ACCESS/OWNERSHIP/TENURE			
Details of area "owned" by the household in the 2007/08 agricultural year. Give area reported by the respondent in "acres".		Area in Hectare	Calculation area
3.1.1	Area Leased/Certificate of ownership	<input type="text"/>	
3.1.2	Area owned under Customary Law	<input type="text"/>	
3.1.3	Area Bought from others	<input type="text"/>	
3.1.4	Area Rented from others	<input type="text"/>	
3.1.5	Area Borrowed from others	<input type="text"/>	
3.1.6	Area under Compulsory Acquisition	<input type="text"/>	
Total area		<input type="text"/>	
3.2 LAND USE			
Area operated by farm under different forms of land use during 2007/08 agriculture year. Give area reported by the respondent in "hectares".		Area in Hectares	Calculation area
3.2.1	Area under Temporary Mono-crops (eg maize only)	<input type="text"/>	
3.2.2	Area under Temporary Mixed crops (eg maize & beans)	<input type="text"/>	
3.2.3	Area under Permanent Mono-crops (eg Sisal only)	<input type="text"/>	
3.2.4	Area under Permanent Mixed crops (eg bananas & coffee)	<input type="text"/>	
3.2.5	Area under Permanent/Annual mix (eg bananas & maize)	<input type="text"/>	
3.2.6	Area under Permanent/Pasture mix (eg orange & pasture)	<input type="text"/>	
3.2.7	Area under Pasture only	<input type="text"/>	
3.2.8	Area under Fallow	<input type="text"/>	
3.2.9	Area under Natural Bush	<input type="text"/>	
3.2.10	Area under Planted Timber Trees	<input type="text"/>	
3.2.11	Area Rented to others	<input type="text"/>	
3.2.12	Area Unusable	<input type="text"/>	
3.2.13	Area of Uncultivated Usable land (excluding fallow)	<input type="text"/>	
Total area		<input type="text"/>	

Section 3.1 - Land Access/Ownership

Lease/Certificate of Ownership Area under lease/certificate of ownership refers to the area for which the household possesses a government issued leasehold title or certificate of ownership. The land will normally be officially surveyed and boundaries marked. This includes leased land bought from others where the lease/certificate of ownership has been transferred.

Customary Law: This refers to the land which the hh does not have an official government title to but its right of use is granted by the traditional leaders. This user-right agreement does not have to be granted directly by the village leaders as right of access may be passed on through heredity.

Bought: This refers to the area of customary land that has been bought from others. This land does not have an official title and therefore is not leasehold.

Rented from others: Land rented from others for Cash or for a fixed amount in crop produce (eg fixed number of bags at harvest).

Borrowed: Use granted by land owner free of charge. Land owner can either be a lease holder or has right of access through customary law.

Area under compulsory acquisition:

Section 3.1 - Land Ownership

1. Ask the respondent if he knows the total area of land the household has sole access to. If he knows make a note in the calculation space

2. Ask the respondent the area of the different land ownership categories the household has sole access to (Q3.1.1 to 3.1.6) and record in the appropriate spaces.

Section 3.2 - Land Use

1. Ask the respondent the area of the different land use categories the farm has sole access to (Q3.2.1 to 3.2.13) and record in the appropriate spaces.

2. Add up the area of different land use categories and compare with the total area obtained in 3.1

3. If the total area is different, find out which one is correct and make ammendment.

Section 3.2 Land Use

- **Temporary crops:** are sown and harvested during the same agricultural year

- **Permanent crops:** are sown or planted once and then, they occupy the land for some years and need not to be replanted after each annual harvest. Permanent crops are mainly trees (e.g. apples) but also bushes and shrubs (e.g., berries), palms (e.g. dates), vines (e.g. grapes), herbaceous stems (e.g. bananas) and stemless plants (e.g. pineapples).

- **Mixed Crops:** This is a mixture of two or more crops planted together and mixed in the same plot/field. The two crops can either be randomly planted together or they can be planted in a particular pattern eg intercropping (1 row of maize and 1 row of beans). A field that has been divided into plots for different crops is not mixed. This is further subdivided into:

Permanent Mixed - two or more permanent crops grown together,

Permanent/Annual Mix - permanent crop and annual crop together,

Temporary Mixed - two or more temporary, annual crops grown together.

- **Pasture Land:** This is an area of owned/allocated land which is set aside for livestock grazing. It can be improved pasture where the farmer has planted grass, applied fertilized or applied other production increasing technologies to improve the grazing. Or it can be rough pasture.

- **Fallow:** This is the area of land that is normally used for crop production, but is not used for crop production during a year or a number of years. This is normally to allow for self generation of fertility/soil structure and is often an integral part of the crop rotation system.

- **Natural Bush:** Land which is considered productive but is not under cultivation or used extensively for livestock production and has naturally growing shrubs and trees.

- **Planted trees:** Land which is used for planting trees for poles or timber

- **Unusable:** Land that is known to be non-productive for agriculture purposes

Uncultivated Usable: This is land that was not used for reasons other than fallow. The reasons could be lack of inputs/money/rainfall/etc

4.0 ANNUAL AND PERMANENT CROP PRODUCTION															
4.1 ANNUAL CROP AND VEGETABLE PRODUCTION - SHORT RAIN SEASON															
4.1.1 Did the farm grow Temporary Crops during the 2007/08 Agriculture year (Yes=1, No=2) (if 'NO' go to section 4.2)															
Crop Code	Crop Name	Planting			Irrigation	Harvest/Storage/Marketing			Transport to Market	Main Marketing Market	Main marketing problem	Irrigation Use (Col 5)	Transport to market (Col 9)	Main Market (Col 10)	Main Marketing Problems (Col 11)
		Planned (2)	Area in hectares Planted (3)	Harvested (4)		Harvested (5)	Amount Stored (7)	Marketed (8)							
11	Maize														
12	Paddy														
13	Sorghum														
14	Buirush Millet														
15	Finger Millet														
16	Wheat														
17	Barley														
41	Sunflower														
43	Groundnuts														
48	Castor														
31	Beans														
33	Green Grams														
37	Field peas														
23	Irish Potatoes														
24	Yams														
26	Onions														
27	Ginger														
89	Carrots														
86	Cabbage														
87	Tomatoes														
90	Chillie														
50	Cotton														
51	Tobacco														
52	Pyrethrum														
98	Kartam														
97	Flowers														

working page for page 3 the calculation by annual crop				
Crop Name	Total area of mix (Hectare)	Ground area/plant (Hectare)	Total no. of plants	Total ground area of plants (Hectare)
(b)	(c)	(d)	(e)	(f)
		0.000		0
		0.000		0
		0.000		0
		0.000		0
Total Area of permanent crops in mix				0
REMAINING AREA UNDER TEMPORARY CROPS				
			Temp crop%	Temp crop area
Temporary crop name 1				
Temporary crop name 2				
Temporary crop name 3				
Temporary crop total check				

Crop Name	Total area of mix (Hectare)	Ground area/plant (Hectare)	Total no. of plants	Total ground area of plants (Hectare)
(b)	(c)	(d)	(e)	(f)
		0.000		0
		0.000		0
		0.000		0
		0.000		0
Total Area of permanent crops in mix				0
REMAINING AREA UNDER TEMPORARY CROPS				
			Temp crop%	Temp crop area
Temporary crop name 1				
Temporary crop name 2				
Temporary crop name 3				
Temporary crop total check				

Planned Area: Area in Hectare the household planned to plant before the season started

Actual Planted Area: The area in Hectare the household was able to plant.

Area Harvested: The area in Hectare that the household got most of its production from. This is the same as the area planted minus the area that was destroyed by major flood/pest/ animal/etc damage

Temporary/Annual Crop: Crops which are planted and harvested within a period of 12 months after which time the plants die. Most annual crops are planted and harvested on a seasonal basis.

Crop Codes (Cereals /tubers/roots):

Code Crop	
11	Maize
12	Paddy
13	Sorghum
14	Bulrush Millet
15	Finger Millet
16	Wheat
17	Barley
22	Sweet Potatos
23	Irish potatos
51	Tobacco
52	Pyrethrum
62	Jute
19	Seaweed

Vegetable Codes:

Co	Crop
-de	
86	Cabbage
87	Tomatoes
88	Spinach
89	Carrot
90	Chillies
91	Amaranths
92	Pumpkins
93	Cucumber
94	Egg Plant
95	Water Mellon
96	Cauliflower

Crop Codes Legumes Oil & fruit:

Code Crop	
31	Beans
32	Cowpeas
33	Green gram
35	Chick peas
36	Bambara nuts
37	Field peas
41	Sunflower
42	Simsim
43	Groundnut
47	Soybeans
48	Caster seed

Instructions for calculating the area of mixed crops in a mixture.

A. If the mixed crop is mixed **annual only** enter the total area of the field in the **REMAINING AREA UNDER TEMPORARY CROPS**, and **goto step 1** of these instructions.

B. If the mixed crop is **mixed Permanent and annual** use the following procedures to calculate the area occupied by permanent trees before proceeding with step 1.

- list each of the permanent crops in column **b** and enter the ground area per acre for each permanent crop (from instructions for page 6) in column **'d'**.
- obtain the number of permanent trees in the mix from the respondent and enter the number in column **'e'**.
- calculate the area occupied by each crop by multiplying column **'d'** with column **'e'** and sum these to obtain the total area of permanent crops in the mix.
- subtract the total area of permanent crops in the mix from the total area of mix and enter the result in the total area under temporary crops.
- proceed to step 1 to calculate the area under each temporary crop.

- Enter the name of each annual crop in the mix & estimate the percentage of each crop.
- Using the percentages for each crop calculate the area of each crop from the **REMAINING AREA UNDER TEMPORARY CROPS**.
- After completing this exercise for all fields, sum the area of each crop in the mix plus any monocrops and enter totals in section 4.1 col 4.
- Obtain an estimate of the planned area for each crop and enter it in column 2
- If the area harvested is different to the area planted estimate the harvest area col 4
- Once the quantity harvested is obtained calculate the Yield (Metric tonnes/Hectare) & compare the figure with the norms given in the crop codes box. If it is excessively different check the area and the amount harvested.

4.2 ANNUAL CROP AND VEGETABLE PRODUCTION -LONG RAIN SEASON											
Did the farm grow Temporary Crops during the 2007/08 Agriculture year <input type="checkbox"/> (if 'NO' go to section 4.3)											
(Yes=1, No=2)											
Crop Code	Crop Name	Planting Area in hectares		Harvested	Irrigation	Amount (Metric tonne)		Marketed	Transport to market	Main Market	Main marketing problem
		Planned	Planted			Harvested	Stored				
		(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
11	Maize										
12	Paddy										
13	Sorghum										
14	Bulrush Millet										
15	Finger Millet										
16	Wheat										
17	Barley										
41	Sunflower										
43	Groundnuts										
48	Castor										
31	Beans										
33	Green Grams										
37	Field peas										
23	Irish Potatoes										
25	Yams										
26	Onions										
27	Ginger										
89	Carrots										
86	Cabbage										
87	Tomatoes										
90	Chillie										
50	Cotton										
51	Tobacco										
52	Pyrethrum										
98	Karlam										
97	Flowers										

Irrigation Use (Col.5)
 Used for the whole crop...1
 Used on 3/4 of whole crop...2
 Used on 1/2 of whole crop...3
 Used on 1/4 of whole crop...4
 Used on less than 1/4 of whole crop...5
 Not used...6

Transport to market (col.9)
 Own Transport...1
 Contract transport...2
 Other Large scale Farm at farm gate...3
 Other (Specify)...6

Main Market (col.10)
 Secondary Market...1
 Cooperative...2
 Trader at farm...3
 Factory...4
 Other Large Scale Farm...5
 Exported market...6
 Other...8

Main Marketing Problems (col.11)
 Price too low...1
 No transport...2
 Transport cost too high...3
 No buyer...4
 Farmers association problems...5
 Cooperative problems...6
 Government Regulatory board problems...7
 Lack of marketing information...8
 Not applicable...9

ng page for page 4					
Crop Name (a)	Total area of mix (Hectare) (c)	Ground area/plant (Hectare) (d)	Total no. of plants (e)	Total ground area of plants (Hectare) (f)	Total area of permanent crops in mix (Hectare) (g)
emporary crop name 1					
emporary crop name 2					
emporary crop name 3					
G AREA UNDER TEMPORARY CROPS					
Total area of mix (Hectare) (c)		Total no. of plants (e)		Total ground area of plants (Hectare) (f)	
Total Area of permanent crops in mix (g)		Temp crop%		Temp crop area	
Instructions for calculating the area of mixed crops in a mixture.					
A. If the mixed crop is mixed annual only enter the total area of the field in the REMAINING AREA UNDER TEMPORARY CROPS, and go to step 1 of these instructions.					
B. If the mixed crop is mixed permanent and annual, calculate the area occupied by permanent trees before proceeding with step 1					
(i) list each of the permanent crops in column b and enter the ground area per Hectare for each permanent crop (from instructions for page 4) in column 'd'.					
(ii) obtain the permanent trees in the mix from the respondent and enter the number in column 'g'.					
(iii) calculate the area occupied by each crop by multiplying column 'd' with column 'g'.					
(iv) subtract the total area of permanent crops in the mix from the total area of mix and enter the result in the total area under temporary crops.					
(v) proceed to step 1 to calculate the area under each temporary crop.					
Using the percentages in column 'g' and the area in column 'b' of each crop from the REMAINING AREA UNDER TEMPORARY CROPS					
calculate the area of each crop in the mix and enter the result in column 'd' of any monocrops and enter totals in section 4.2 col 4					
area of each crop in the mix plus					
Obtain an estimate of the planned area for each crop and enter it in column 2					
If the area harvested is different to the area planted estimate the harvest area. col 4					
If the area harvested is different to the area planted estimate the harvest area. col 4					
compare the figure with the norms given in the crop codes box. If it is excessively different check the area and the amount harvested.					

- Planned Area:** Area in Hectare the household planned to plant before the season started
- Actual Harvested Area:** The area in Hectare that the household got most of its production from. This is the same as the area planted minus the area that was destroyed by major flood/pest/ animal/etc damage
- Vegetable Codes:**
- | Crop | Code |
|-------------|------|
| Cabbage | 86 |
| Tomatoes | 87 |
| Onion | 88 |
| Carrot | 89 |
| Chillies | 90 |
| Amaranthus | 91 |
| Pumpkins | 92 |
| Squash | 93 |
| Egg Plant | 94 |
| Water Melon | 95 |
| Cauliflower | 96 |
- Cash Crop Codes:**
- | Crop | Code |
|-----------|------|
| Cotton | 50 |
| Tobacco | 51 |
| Castor | 52 |
| Yam | 53 |
| Jackfruit | 54 |
| Guava | 55 |
| Jackfruit | 56 |
| Jackfruit | 57 |
| Jackfruit | 58 |
| Jackfruit | 59 |
| Jackfruit | 60 |
| Jackfruit | 61 |
| Jackfruit | 62 |
| Jackfruit | 63 |
| Jackfruit | 64 |
| Jackfruit | 65 |
| Jackfruit | 66 |
| Jackfruit | 67 |
| Jackfruit | 68 |
| Jackfruit | 69 |
| Jackfruit | 70 |
| Jackfruit | 71 |
| Jackfruit | 72 |
| Jackfruit | 73 |
| Jackfruit | 74 |
| Jackfruit | 75 |
| Jackfruit | 76 |
| Jackfruit | 77 |
| Jackfruit | 78 |
| Jackfruit | 79 |
| Jackfruit | 80 |
| Jackfruit | 81 |
| Jackfruit | 82 |
| Jackfruit | 83 |
| Jackfruit | 84 |
| Jackfruit | 85 |
- Crop Codes (Cereals (Monocrops)):**
- | Crop | Code |
|----------------|------|
| Maize | 11 |
| Paddy | 12 |
| Sorghum | 13 |
| Burush Millet | 14 |
| Finger Millet | 15 |
| Wheat | 16 |
| Sarley Potatos | 17 |
| Irish potatos | 23 |
| Yams | 24 |
| Cocoyams | 25 |
| Onions | 26 |
| Ginger | 27 |
- Crop Codes (Legumes Oil & fruit):**
- | Crop | Code |
|--------------|------|
| Beans | 31 |
| Peas | 32 |
| Green gram | 33 |
| Chick peas | 35 |
| Bambara nuts | 36 |
| Soybeans | 41 |
| Sundries | 42 |
| Simsim | 43 |
| Groundnut | 44 |
| Soybeans | 45 |
| Caster seed | 48 |

Definitions and working page for page 5

Permanent Crop:

Permanent crops: are sown or planted once and then , they occupy the land for some years and need not to be replanted after each annual harvest.
Permanent crops are mainly trees (e.g., apples) but also bushes and shrubs (e.g., berries), palms (e.g., dates), vines (e.g., grapes), herbaceous stems (e.g., bananas) and stemless plants (e.g., pineapples).

Total number of trees/bushes

This includes both mature harvestable plants and immature non harvestable plants.

Number of mature plants: This is the number of plants which bared harvest.

Instructions for Permanent crop mono stands and mixtures

- A. **For fields that are monocrop permanent** enter the number of mature trees in column 3 and the Area in column 4
- B. **For fields that are either mixed permanent or mixed permanent/annual** enter the number of mature trees ONLY in column 5

Working Area/calculation space

Permanent crops (oils):

Code	Crop	Ground area/plant
44	Palm Oil	0.00049
45	Coconut	0.00037
46	Cashewnut	0.00062

Permanent (Cash crops)

Code	Crop	Ground area/plant
53	Sisal	0.00012
54	Coffee	0.00049
55	Tea	0.00037
56	Cocoa	0.00049
57	Rubber	0.00099
58	Wattle	0.00099
59	Kapok	0.00124
60	Sugar Cane	0.00012
61	Cardamom	0.00049
63	Tamarin	0.00099
64	Cinamon	0.00124
65	Nutmeg	0.00099
66	Clove	0.00074
18	Black Pepper	0.00037
34	Pigeon pea	0.00025
21	Cassava	0.00019
75	Pineapple	0.00006

Permanent Crops:

Code	Crop	Ground area/plant
71	Banana	0.00037
72	Avocado	0.00099
73	Mango	0.00099
74	Papaw	0.00037
76	Orange	0.00074
77	Grapefruit	0.00074
78	Grapes	0.00012
79	Mandarin/tangerine	0.00074
80	Guava	0.00074
81	Plums	0.00074
82	Apples	0.00074
83	Pears	0.00074
84	Peaches	0.00074
85	Lime/lemon	0.00074
68	Pomelo	0.00099
69	Jack fruit	0.00074
97	Durian	0.00074
98	Bilimbi	0.00074
99	Rambutan	0.00074
67	Bread fruit	0.00099
38	Malay apple	0.00074
39	Star fruit	0.00074

5.0 USE OF SECONDARY PRODUCTS AND AGROPROCESSING

5.1 MAIN USE OF SECONDARY PRODUCTS

Did you use Secondary Products from any of your crops during the 2007/08 year. (Yes=1, No=2)

If the response is 'NO' go to section 5.2

List the main crops with secondary products and provide the following details:

S/N	Crop name (1)	Crop Code (2)	Name of Secondary Product (3)	Used for Unit (4) (5)	Total no of Units (6)	No of units sold (7)	Total value per unit (Tsh.) (8)	Total value of sold units (9)
5.1.1								
5.1.2								
5.1.3								
5.1.4								
5.1.5								

Mainly used for (Col 4)
 Feeding to livestock 1 fuel 3 Composting 5
 Building material 2 Used for processing 4 Other (Specify) 8

Unit (Col 5)
 Loose Bundle/bunch 1 Metric tonne 3 litre 5
 Compressed bunch/Ball 2 Kilogram 4 Other (Specify) 8

5.2 AGROPROCESSING AND BY-PRODUCTS

Did the farm process any of the products harvested on the farm during 2007/08

If the response is 'NO' go to section 6.1

List the main crops processed and provide the following details:

S/N	Crop name (1)	Crop Code (2)	Quantity of Farm Produce (tonne) (3)	Quantity of Outgrower/other farmer's produce (t) (4)	Main Prod -uct code (5)	Used for Unit (6) (7)	Quantity of main product (8)	Where proce-ssed (9)	First bi-product			Second bi-product						
									Where bi-product used sold code (10)	Unit Quantity (11)	Quantity Sold (12)	Where bi-product code (13)	Unit Quantity (14)	Quantity Sold (15)	Used Unit Quantity (16)	Quantity Sold (17)	Quantity Sold (18)	Quantity Sold (19)
5.2.1																		
5.2.2																		
5.2.3																		
5.2.4																		
5.2.5																		
5.2.6																		

Main product code (Col 5)
 Flour/meal 1 Juice 4
 Grain 2 Fiber 5
 Oil 3 Other(specify) 8

Used for (Col 6, 12 & 17)
 Sale 1
 Animal consumption 2
 On farm factory processing 3
 Other (specify) 8

Unit (Col 7, 13 & 18)
 Loose bundle/bunch 1 kilogram 4
 Compressed bunch/ball 2 litre 5
 Metric tonne 3 Other (Specify) 8

Where Processed (Col 9)
 On-Farm machine 1
 Cooperative Union factory 2
 Other Large scale farm 3
 Private factory/Mill 4
 Other (specify) 8

Where sold (Col 10)
 Secondary Market 1
 Marketing Coop 2
 Other Large scale farm 3
 Trader at farm 4

Where sold (Col 10)
 Secondary Market 1
 Marketing Coop 2
 Other Large scale farm 3
 Trader at farm 4

Where sold (Col 10)
 Secondary Market 1
 Marketing Coop 2
 Other Large scale farm 3
 Trader at farm 4

Bi-product code (Col 11 & 16)
 Bran 1 Pulp 6
 Cake 2 Oil 7
 Husk 3 Shell 9
 Juice 4 Other(specify) 8
 Fiber 5

Definition and working page for page 6					
Temporary/annual crop codes for section 5.1 and 5.2 col 2					General Definition for Section 5.0
Crop Code	Crop Name	Secondary Product Question 5.1(col 3)	Agroprocessing & bi-products		
			Main Products (Section 5.2)	Bi-product (Sect 5.2)	
				1	2
11	Maize	Stems/straw	Flour	Bran	
12	Paddy	Stems/straw	polished rice grain	husk	
13	Sorghum	Stems/straw	flour		
14	Bulrush Millet	Stems/straw	flour		
15	Finger Millet	Stems/straw	flour		
16	Wheat	Stems/straw	flour	Bran	
17	Barley	Stems/straw	flour	Bran	
21	Cassava	Leaves/stems	flour		
22	Sweet Potatoes	Leaves			
23	Irish potatoes				
24	Yams				
25	Cocoyams				
26	Onions				
27	Ginger				
31	Beans	straw/stems			
32	Cowpeas	straw			
33	Green gram	straw			
34	Pigeon peas	stems			
35	Chick peas	straw			
36	Bambara nuts	straw/stems	oil	cake	
41	Sunflower	Stems	oil	Cake	
42	Simsim	straw	oil	Cake	
43	Groundnut	straw	oil	Cake	
47	Soya beans	straw	oil	Cake	
48	Caster seed	straw	oil	Cake	
75	Pineapple		Juice		
50	Cotton	straw	fibre/seed	oil	cake
51	Tobacco				
53	Pyrethrum	straw	insecticide		
62	Jute		fibre		
86	Cabbage				
87	Tomatoes				
88	Spinach				
89	Carrot				
90	Chillies		dried powder		
91	Amaranths				
92	Pumpkins	leaves			
93	Cucumber				
94	Egg Plant				
95	Water Mellon				
96	Cauliflower				
44	Oil Palm	leaves	oil outer	oil inner	cake
45	Coconut	leaves/husk	milk		
46	Cashewnut	Fruit	fruit juice	shell liquid	
52	Sisal	stems	fibre	oil	
54	Coffee	stems	beans	husks	
55	Tea	stems			
56	Cocoa	stems	cocoa	cocoa butter	
57	Rubber	stems			
58	Wattle	stems			
59	Kapok	stems			
60	Sugar Cane		sugar/juice	molasses	ethanol
61	Cardamom				
71	Banana	leaves/stems	juice		
72	Avocado	stems			
73	Mango	stems	Juice		
74	Paw paw		Juice		
76	Orange	stems	Juice		
77	Grape fruit	stems	Juice		
78	Grapes	stems	Juice		
79	Mandarin	stems	Juice		
80	Guava	stems			
81	Plums	stems			
82	Apples	stems			
83	Pears	stems			
84	Pitches	stems			
85	Lime/Lemon	stems	juice		

Secondary Products: Second most important product from a crop. Eg a farmer may consider the grain from maize as the primary product and the stems/straw as the secondary product.

Note: Secondary products are NOT the same as bi-products. Bi-products are the result of a processing activity.

Q 5.1 Details of Secondary Products:

1. From the list of crops in Q 4.1.1, 4.2.1 & 4.3.1, ask the respondent if the hh used any secondary products. List the crop names and codes in column 1 and 2 for those crops that the hh used secondary products.
2. For the listed crops give details of the secondary products used.
3. If no units were sold, enter "0" in columns 7,8& 9.

Q 5.2 Agroprocessing & bi-products:

1. From the list of crops in Q 4.1.1, 4.2.1 & 4.3.1, ask the respondent if the hh processed any of these crops during the 2007/08 agriculture year. List the crop names and codes in column 1 and 2 for those crops that were processed by the hh.
2. For the listed crops give details of the main and bi-product used.
4. If there is no first bi-product or second bi-product was sold enter "0" in columns 15 and 20

Agroprocessing and bi-products (Q 5.2)
Main Product code (Col 5):
 Main Product after processing. Eg for Paddy it may be the polished grain. For Maize it may be flour.
Bi-Product code (Col 11): is the secondary residue after processing, eg for rice it may be the husk. for maize it may be the bran.
Mainly used for (Col 6, 12 & 17):
 - Consumed by household can mean eaten or utilised in another way (eg by animals) by the hh.

6.0 ACCESS OF CREDIT FOR AGRICULTURE PURPOSES			
6.1 USE OF CREDIT FOR AGRICULTURE PURPOSES			
During the year 2007/08 did the farmer borrow money for agriculture <i>(if the response is 'NO' go to section 6.3)</i>			(Yes = 1, No = 2) <input type="checkbox"/>
6.2 Give details of the credit obtained during the agricultural year 2007/08 <i>(if the credit was provided in kind, for example by the provision of inputs machine or equipments, then estimate the value)</i>			
	Source "a"	Source "b"	Source "c"
use codes to indicate source	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	tick the boxes below to indicate the use of the credit	tick the boxes below to indicate the use of the credit	tick the boxes below to indicate the use of credit
6.2.1 Labour	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6.2.2 Seeds	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6.2.3 Fertilisers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6.2.4 Agrochemicals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6.2.5 Livestock purchase	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6.2.6 Livestock Feed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6.2.7 Tools	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6.2.8 Fences	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6.2.9 Stores	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6.2.10 Irrigation structures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6.2.11 Machinery	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6.2.12 Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6.2.13 Value of Credit ('000 Tsh.)	<input type="text"/>	<input type="text"/>	<input type="text"/>
6.2.14 Value of repayment ('000 Tsh.)	<input type="text"/>	<input type="text"/>	<input type="text"/>
Source of credit (Q 6.2-a, b and c) Company owning the farm1 Commercial Bank.....2 Savings and Credit Soc....3 Religious Organisation/NGO/Project ...4 Other (Specify).....8			
6.3 If the answer to question 6.1 above is NO what is the reason for not applying for Credit?			<input type="checkbox"/>
Reason for not using credit (Q 6.3) Not needed.....1 Did not want to go into credit.....3 Credit granted too late.....5 Other(specify) 8 Not available2 Interest rate/cost too high..... 4 Difficult bureaucratic procedure..... 6			

7.0 AGRICULTURAL CONSTRAINTS		
From the list of constraints on the right select		
7.1	the 5 most important problems	List of constraints 1. Amount of Land 2. Ownership of Land 3. Cost of Land 4. Length of land tenure 5. Soil Cultivation 6. Soil Fertility 7. Access to improved seed 8. Irrigation facilities 9. Access to chemical inputs 10. Cost of inputs 11. Extension Services 12. Access to forest resources 13. Government regulations 14. Access to credit 15. Harvesting 16. Threshing 17. Storage 18. Processing 19. Market information 20. Transport costs 21. Distraction by animals 22. Stealing 23. Pests and Diseases 24. Local government taxation 25. Access to off-farm income 26. Cost of machinery 27. Availability of livestock drugs 28. Livestock diseases 29. Availability of pasture
S/N	Order of most importance	Constraint
	(1)	(2)
7.1.1	most important	<input type="checkbox"/>
7.1.2	2nd most important	<input type="checkbox"/>
7.1.3	3rd most important	<input type="checkbox"/>
7.1.4	4th most important	<input type="checkbox"/>
7.1.5	5th most important	<input type="checkbox"/>

8.0 INPUT USE AND COSTS BY CROP							
	CROP NAME	Main Source of inputs
	CROP CODE	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
S/N	Operation/inputs	Used	Cost/hectare ('000Tsh)	Used	Cost/hectare ('000Tsh)	Used	Cost/hectare ('000Tsh)
	(1)	(2)	(3)	(4)	(5)	(6)	(7)
8.1	Soil preparation & planting	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>
8.2	Seed/planting material	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>
8.3	Inorganic fertiliser	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>
8.4	Organic fertiliser	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>
8.5	Herbicides	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>
8.6	Fungicides	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>
8.7	Pesticides	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>
8.8	Harvesting/threshing	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input checked="" type="checkbox"/>	<input type="text"/>

Used (Col 2, 4 & 6).
 Used for the whole crop1
 Used on 3/4 of whole crop2
 Used on 1/2 of whole crop3
 Used on 1/4 of whole crop4
 Used on less than 1/4 of whole crop5
 Not used6

Definition and working page for page 7**Section 6.0 Credit for Agriculture Purposes Livestock rearing**

Credit is defined as finance in the form of cash or in-kind contributions (eg direct provision of inputs, machinery, livestock or other material) for the purpose of crop and livestock production whereby the value of the credit must be paid back to the borrower. The value of repayment may either be with interest or interest free.

Credit may be paid back in the form of cash or agricultural produce.

Section 6.1 Credit for Agriculture Purposes and Livestock rearing.

Value of credit: is the amount in cash received from the borrower. If the credit was paid in-kind, estimate the value of this.

Value of repayment: This is the amount to be repaid to the borrower and includes the principal amount (value of credit) plus any interest repayment. If the credit is paid back in agricultural produce, then the cash value of this must be estimated.

Section 6.2 Source of agriculture credit

If the farmer obtained credit from more than one source then use the columns "a" , "b" and "c" for the different sources of credit. Start with the main source of credit in column "a".

Make sure that the information given by the respondent concerning the use of credit corresponds to the respective section.

General Definitions for section 7.0**Agricultural constraints (section 7.0):**

The **List of constraints** are areas in which the farmer may consider a limiting factor to increase profit/livelihood conditions.

The responses must be realistic, eg if there is no possibility of having irrigation on the farm because there is no suitable source of water, then irrigation facilities should NOT be selected as a major problem.

Section 8.0 Input use and costs by crops

1. For the 3 main crops grown on the farm obtain the amount used and cost per hectare for each crop.

Section 7.0 Agricultural constraints**7.1 List the five most important problems in order of most importance:**

1. Read out the list of constraints to the respondent and ask him to select the ones that are a problem. Place a **1** against the constraints that are a problem.
2. Read the selected constraints and ask the farmer to select 5 which create the largest problems
3. Ask the farmer to list these in order of importance and enter in **column 2**

Working Area/calculation space

9.0 LIVESTOCK PRODUCTION AND LIVESTOCK DISEASES						
9.1 Did the farm own, raise or manage any CATTLE during 2007/08 agriculture year? <input type="checkbox"/> (Yes=1, No=2) (If no go to section 9.2)						
Cattle Population as of 1 st October 2008						
S/N	Cattle type <i>(1)</i>	Number of Indigenous <i>(2)</i>	Number of Improved		Total <i>(5)</i>	
			Beef <i>(3)</i>	Dairy <i>(4)</i>		
9.1.1	Bulls	<input type="text"/>	<input type="text"/>	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input type="text"/>	
9.1.2	Cows	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
9.1.3	Steers	<input type="text"/>	<input type="text"/>	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input type="text"/>	
9.1.4	Heifers	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
9.1.5	Male Calves	<input type="text"/>	<input type="text"/>	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input type="text"/>	
9.1.6	Female Calves	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
Grand Total					<input type="text"/>	
SN	Type of livestock/Product <i>(1)</i>	Unit <i>(2)</i>	Amount of milk obtained during 2007/08 <i>(3)</i>	Number of livestock milked 2007/08 <i>(4)</i>	Average price per litre 2007/08 <i>(5)</i>	place sold <i>(6)</i>
9.1.7	Milk (Indigenous cattle)	Litre	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>
9.1.8	Milk (Improved cattle)		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>
9.2 Did the farm own, raise or manage any GOATS during the 2007/08 agriculture year? (Yes=1, No=2) (If no go to section 9.3) Goat Population as of 1st October 2008						
S/N	Goat type <i>(1)</i>	Number of Indigenous <i>(2)</i>	Number of Improved goat		Total <i>(5)</i>	
			for meat <i>(3)</i>	Dairy <i>(4)</i>		
9.2.1	Ram	<input type="text"/>	<input type="text"/>	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input type="text"/>	
9.2.2	Castrated Goat	<input type="text"/>	<input type="text"/>	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input type="text"/>	
9.2.3	She Goat	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
9.2.4	Male Kid	<input type="text"/>	<input type="text"/>	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input type="text"/>	
9.2.5	She Kid	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
Grand Total					<input type="text"/>	
SN	Season <i>(1)</i>	Unit <i>(2)</i>	Amount of milk obtained during 2007/08 <i>(3)</i>	Number of goats milked 2007/08 <i>(4)</i>	Average price per litre 2007/08 <i>(5)</i>	place sold <i>(6)</i>
9.2.6	Wet Season	Litre	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>
9.2.7	Dry Season		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>
9.3 Did the farm own, raise or manage any SHEEP during the 2007/08 agriculture year? (Yes =1 No =2) (If no go to section 9.4) Sheep Population as of 1st October 2008						
9.4 Did the farm own, raise or manage any PIGS during the 2007/08 agriculture year? (Yes =1 No =2) (If no go to section 9.5) PIG Population as of 1st October 2008						
S/N	Sheep type <i>(1)</i>	Number of Sheep <i>(2)</i>				
9.3.1	Ram	<input type="text"/>				
9.3.2	Castrated Sheep	<input type="text"/>				
9.3.3	She Sheep	<input type="text"/>				
S/N	Pig type <i>(1)</i>	Number of Pigs <i>(2)</i>				
9.4.1	Boar	<input type="text"/>				
9.4.2	Castrated male	<input type="text"/>				
9.4.3	Sow/Gilt	<input type="text"/>				

place sold (Col & 6)

Neighbour.....1

Local Market.....2

Secondary Market.....3

Processing industry.....4

Largescale farm.....5

Trader at Farm.....6

Did not sell.....7

Other.....8

Definitions and working page for page 8	
Question Specific Definitions (Section 9.0)	
<p>Cattle type (Section 9.1.1 to 9.1.6 Col 1)</p> <p>Bull: Mature Uncastrated male cattle used for breeding</p> <p>Cow: Mature female cattle that has given birth at least once</p> <p>Steer: Castrated male cattle over 1 year</p> <p>Heifer: Female cattle of 1 year up to the first calving</p> <p>Calves: Young cattle under 1 year of age</p>	<p>Section 9.1 Cattle Population.</p> <p>NOTE: Section 9.1 is for the current population (as of 1st October 2008).</p> <p>If the household has cows, you would normally expect them to have calves.</p>
<p>Goat type (Section 9.2.1 to 9.2.5 Col 1)</p> <p>Ram: Mature Uncastrated male goat used for breeding.</p> <p>Castrated goat: Male goat that has been castrated.</p> <p>She Goat: Mature female goat over 9 months of age.</p> <p>Kid: Young goat under 9 months of age.</p>	<p>Section 9.2 Goat Population</p> <p>NOTE: Section 9.2 is for the current population (as of 1st October 2008).</p> <p>If the household has she goats, you would normally expect them to have kids.</p>

9.5 LIVESTOCK PRODUCTION AND PRODUCTS					
SN	Type of livestock/Product	Unit	Number Sold during 2007/08	Average price per unit 2007/08	place sold
	(1)	(2)	(3)	(4)	(5)
9.5.1	Live cattle	(Number)	<input type="text"/>	<input type="text"/>	<input type="text"/>
9.5.2	Live goats/sheep	(Number)	<input type="text"/>	<input type="text"/>	<input type="text"/>
9.5.3	Live pigs	(Number)	<input type="text"/>	<input type="text"/>	<input type="text"/>

place sold (Col 5 & 6)
 Neighbour1 Largescale farm ...5
 Local Market.....2 Trader at Farm ...6
 Secondary Market ...3 Did not sell7
 Processing industry .4 Other8

SN	Type of livestock/Product	Unit	Quantity Sold during 2007/08	Number of livestock slaughtered	Average price per tonne 2007/08	place sold
	(1)	(2)	(3)	(4)	(5)	(6)
9.5.4	Beef	(Tone)	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
9.5.5	Goat meat/Mutton	(Tone)	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
9.5.6	Pig meat	(Tone)	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

9.6 LIVESTOCK PEST & PARASITE CONTROL	
9.6.1	Did you deworm your animals during 2007/08? (Put Yes=1 No=2) <i>(If the response is 'NO' go to section 9.6.3)</i>
9.6.2	Which animals did you deworm ? (Put Yes=1 No=2) appropriate boxes Cattle <input type="checkbox"/> Goats <input type="checkbox"/> Sheep <input type="checkbox"/> Pigs <input type="checkbox"/>
9.6.3	Do you normally encounter a tick problem? (Yes=1, No=2) <i>(If the response is 'NO' go to section 9.6.5)</i>
9.6.4	Which methods of tick control did you use? Control method (Q 9.6.4) Spraying ..1 Dipping..2 Smearing ..3 None...4 Other...8

9.6.5	Do you normally encounter a tsetse fly problem? (Y=1,N=2) <i>(If the response is 'NO' go to section 9.6.7 and 9.6.8</i>
9.6.6	Which methods of control did you use? Control method (Q9.6.6) Spraying ..1 Dipping..2 Trapping ..3 None...4 Other...8
9.6.7	Did your livestock get vaccination against the following diseases? (Yes = 1, No = 2). Foot and mouth disease <input type="checkbox"/> 9.6.8 Lumpyskin <input type="checkbox"/>

Definitions for page 9	
<p>Sheep type (Q 9.3.1 to 9.3.5, Col 1)</p> <p>Ram: Mature Uncastrated male sheep used for breeding</p> <p>Castrated sheep: Male sheep that has been castrated.</p> <p>She sheep: Mature female sheep over 9 months of age</p> <p>Lamb: Young sheep under 9 months of age.</p>	<p>Section 9.3 Sheep Population.</p> <p>NOTE: Section 9.3 is for the current population (as of 1st October 2008).</p> <p>If the household has ewes, you would normally expect them to have kids</p>
<p>Pigs type (Section 9.4.1 to 9.4.5 Col 1)</p> <p>Boar: Mature Uncastrated male pig used for breeding</p> <p>Castrated Pig: Male pig that has been castrated.</p> <p>Sow/Gilt: Mature female pig that has given birth to at least one litter of pigs.</p> <p>Gilt: Female pig of 9 months up to the first farrowing.</p> <p>Piglet: Young pig under 3 months of age.</p>	<p>Section 9.4 Pig Population.</p> <p>NOTE: Section 9.4 is for the current population (as of 1st October 2008);</p> <p>If the household has sows, you would normally expect them to have piglets i</p>

9.7 Information on Other Livestock currently available and details of consumption and sales during the 2007/08 Agriculture year.						
	Animal type (1)	Current No. as 1 st October. 2008 (2)	Sold during 2007/08		Slaughtered during 2007/08	
			Number (3)	Average Price/head (4)	Kilogram (5)	Average price/kg (6)
9.7.1	Indigenous Chicken					
9.7.2	Layer					
9.7.3	Broiler					
9.7.4	Ducks					
9.7.5	Turkeys					
9.7.6	Rabbits					
9.7.7	Donkeys					
9.7.8	Horses				X X X X X	X X X X X
9.7.9	Other(specify)					
CHICKEN DISEASES		Number infected	Number Treated	Number Died	Number Recovered	
9.7.10	Newcastle Disease					
9.7.11	Gumboro					
9.7.12	Coccidiosis					
9.7.13	Chorysa					
9.7.14	Fowl typhoid					
9.8 LIVESTOCK PRODUCTS		Sold during 2007/08		Consumed/utilised during 2007/08		
Product (1)		Number (2)	Average price/unit (3)	Number (4)	Average price/unit (5)	
9.8.1	Eggs					
9.8.2	Hides					
9.8.3	Skins					
9.9 List in order of importance the outlets for the sale of Livestock						
S/N	Impo-rtan- -ce of outlet (1)	Outlets for Cattle (2)	Out-lets for Goat (3)	Outlets for Sheep (4)	Outl-ets for chickens (5)	Outl-ets for Pigs (6)
9.9.1	1st					
9.9.2	2nd					
9.9.3	3rd					
9.9.4	4th					
9.9.5	5th					
Outlet code (Col 2, 3, 4, 5 & 6 Qn 9.9) Trader at farm.....1 Abattoir.....4 Local Market2 Another farmer5 Secondary market/auction.....3 Other (Specify).....8						
Source of structure (Col 2 Qn 9.10) Owns1 NGO6 Cooperative2 Large scale farm.....7 Local farmers association3 Other8 Gov extension/veterinary4 Not applicable9 Development project5						
9.10 Access to functional Livestock structures /accessories(to be filled by the livestock owners only)						
S/N	Type of structure/ accessory (1)	Source of Structure (2)	Distance to structure (Km) (3)			
9.10.1	Cattle Dip					
9.10.2	Spray Race					
9.10.3	Hand powered sprayer					
9.10.4	Cattle crush					
9.10.5	Primary Market					
9.10.6	Secondary Market					
9.10.7	Abattoir					
9.10.8	Slaughter Slab					
9.10.9	Hide/skin shed					
9.10.10	Input supply					
9.10.11	Veterinary Clinic					
9.10.12	Holding ground					
9.10.13	Watering point/dam					
9.10.14	Drencher					

Definitions for page 10	
<p>Question Specific Definitions Section 9.6)</p> <p>Access to functional Livestock Structures/accessories (Section 9.10):</p> <p>NOTE: The structures must be functional. If they are not working/derelect then they should not be included. The distance to the next nearest functional structure should be taken.</p> <p>Spray Race: A fixed spray structure on an animal race for spraying acaricide</p> <p>Cattle crush: Corridor structure for restraining cattle.</p> <p>Abattoir: Large building designed for slaughtering a large amount of animals. It normally has complex structures to assist in the slaughter and storage and a high level of hygiene is maintained.</p> <p>Slaughter Slab: Concrete slab designed for slaughtering a small amount of animals</p> <p>Hides: obtained from Cattle</p> <p>Skins: Obtained from sheep and goats</p> <p>Hide/Skin Shed: Shed for curing/tanning animal skins and hides</p> <p>Drencher: Device for orally administering medicine to livestock.</p>	<p>Procedures for questions</p> <p>Section 9.6 - Other Livestock:</p> <p>1. The current number includes both adult and young animals. For example The number of chickens in col 1 would include adults and chicks.</p> <p>Section 9.9- Outlets for livestock:</p> <p>Using the codes enter the outlets for the sale of different livestock in order of importance. If there are, for example, only 2 outlets mark the rest with a "X".</p>

10.0 EMPLOYMENT IN AGRICULTURE						
10.1 STAFF AND LABOUR USE						
Give details of employment on the farm during the 2007/08 agriculture year						
S/N	Staff/employee type	Number of permanent employee as 1 st October 2008			Number of part time employees as 1 st October 2008	
		Male	Female		Male	Female
	(1)	(2)	(3)	(4)	(5)	
10.1.1	General manager/Financial managers/accountants	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
10.1.2	Clerical/typist/receptionist staff	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
10.1.3	Mechanical/workshop/parts stores managers	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
10.1.4	Crop/livestock husbandry managers/agronomists	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
10.1.5	Irrigation engineers	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
10.1.6	Product Stores managers	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
10.1.7	Agroprocessing/Mill managers	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
10.1.8	Other Professional staff	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
10.1.9	Supervisor staff	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
10.1.10	Labourers	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
11.0 SERVICES PROVIDED TO OUTGROWER FARMERS						
11.1	Does the farm provide services to small holder farmers (YES=1, No=2)					<input type="checkbox"/>
Give details of the services provided to other farmers during the 2007/08 agriculture year						
S/N	Type of Service	Provides service to outgrowers Y=1 N=2	Number of Outgrower farms	Area which got service (hectare)	Is this service paid? (Yes= 1,	Average cost (Per hectare)
	(1)	(2)	(3)	(4)	(5)	(6)
11.1.1	Cultivation /soil preparation	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>
11.1.2	Weeding and Herbicides	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>
11.1.3	Harvesting	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>
S/N	Type of Service	Provides service to outgrowers Y=1 N=2	Number of Outgrower farms	Crop Quantity(tonne)	Is this service paid? (Yes= 1,	Average cost (Shilling per metric tonne)
	(1)	(2)	(3)	(4)	(5)	(6)
11.1.4	Storing	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>
11.1.5	Crop processing	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>
11.1.6	Cattle fattening	<input type="checkbox"/>	<input type="text"/>		<input type="checkbox"/>	<input type="text"/>
11.1.7	Crop marketing	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>
11.1.8	Livestock facilities	<input type="checkbox"/>	<input type="text"/>			
11.1.9	Livestock products	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>
11.1.10	Livestock marketing	<input type="checkbox"/>	<input type="text"/>			
11.1.11	Extension services	<input type="checkbox"/>	<input type="text"/>			
11.1.12	Dipping services	<input type="checkbox"/>	<input type="text"/>		<input type="checkbox"/>	<input type="text"/>

Definition and working page for page 11**General Definitions for section 10****Services provided to outgrowers (section 11.0):**

These services are normally provided at a cost.

- **Cultivation:** Provision of machinery etc for soil preparation
- **Crop husbandry:** provision of machinery/chemicals for weed/pest control and planting.
- **Harvesting:** provision of machinery for harvesting/threshing/ drying.
- **Storing:** provision of storage space
- **Crop processing:** milling/extraction plant for farm and outgrower produce
- **Livestock facilities:** eg dips, spray races.
- **Livestock products:** eg hide and skin sheds/abatoire
- **Livestock marketing:** transportation/purchase of cattel from outgrowers.
- **Extension services:** advice provided to outgrowers.

The **Unit (col 4)** is different according to the service provided:

Cultivation: Hectares

Crop Husbandry: Hectares

Storing: tonne

Procesing: tonne

Livestock products: tonne

Procedures for questions**Section 11.0 Services provided to other farmers.**

1. Ask respondant if he owns/or has the knowledge to provide each of the listed services and place a "1" in the corresponding boxes in column "2"
2. For each of the boxes marked with "1" in col 2 ask the respondant if he provides the service to out growers and mark with "1" for yes and "2" for no.
3. For each of the services marked with "1" in column "2" complete the remaining columns

