

UNITED REPUBLIC OF TANZANIA



Confidential

National Agriculture Sample Census 2002/03

ACLF: 3 Household listing of 15 selected farmers

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






S/N	Sub village leader number (1)	Name of sub-village leader (2)	Agriculture hh serial number (3)	Name of selected head of household (4)	Number of							
					Fields (5)	Cattle (6)	Goat (7)	Sheep (8)	Pig (9)	Poultry /ducks (10)	Rabbits (12)	
01			<input type="text"/>									
02			<input type="text"/>									
03			<input type="text"/>									
04			<input type="text"/>									
05			<input type="text"/>									
06			<input type="text"/>									
07			<input type="text"/>									
08			<input type="text"/>									
09			<input type="text"/>									
10			<input type="text"/>									
11			<input type="text"/>									
12			<input type="text"/>									
13			<input type="text"/>									
14			<input type="text"/>									
15			<input type="text"/>									

Name of Enumerator: _____ Signature _____ Date _____

Name of Supervisor: _____ Signature _____ Date _____

Ministry of Agriculture and Food Security, Ministry of Water and Livestock Development, Ministry of Cooperatives and Marketing and the National Bureau of Statistics

United Republic of Tanzania		
ACQ 1		CONFIDENTIAL
Small holder/Small Scale Farmer Questionnaire		
Agriculture Sample Census		
2002/2003		
		

Enumerator Name Signature	
Date Enumerated <input type="text"/> <input type="text"/> / <input type="text"/> <input type="text"/> / <input type="text"/> <input type="text"/>	Start time <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> End time <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
Field level checking by: District Supervisor: Name signature Date ____ / ____ / ____ Regional Supervisor: Name signature Date ____ / ____ / ____ National Supervisor: Name signature Date ____ / ____ / ____	<i>To be completed by the supervisor ONLY after field/farm level checking of the enumeration process. This should be countersigned by 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 National Level only: Data Entered by Name signature Date ____ / ____ / ____ Queried Name signature Date ____ / ____ / ____	<i>See back page for details of query</i>

Executed by the Ministry of Agriculture and Food Security, Ministry of Water and Livestock Development,
 Ministry of Cooperatives and Marketing
 and
 National Bureau of Statistics

1.0 IDENTIFICATION DETAILS			
1.1 Location			
S/N	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 and household head			
S/N		Codes	
1.2.1	Name & number of local leader	<input type="text"/>	
1.2.2	Name & number of household head	<input type="text"/>	
1.2.3	Sex of household head (Male = 1, Female = 2)	<input type="text"/>	
1.2.4	Name of respondent	/	
1.2.5	Relationship of Respondent to Household Head		
<p>Relationship to household head codes (Q 1.2.5) Head of Household.....1 Son/Daughter3 Grandson/Granddaughter5 Other (friend, employee, etc)...8 Spouse2 Father/Mother4 Other relative.....6</p>			
2.0 ACTIVITIES OF THE HOUSEHOLD			
2.1	Type of Agriculture Household	<input type="text"/>	
<p>Agriculture household codes(Q2.1) Crops only.....1 Livestock only2 Pastoralist.....3 Crops and Livestock4</p>			
2.2 Rank the following livelihood activities/source of income of the household in order of importance			
S/N	Livelihood/source of income activity.	Rank in order of importance 1=most 7=least	How important are each of these activities expressed in percentage.
	(1)	(2)	(3)
2.2.1	Annual Crop farming	<input type="text"/>	<input type="text"/> %
2.2.2	Permanent crop farming	<input type="text"/>	<input type="text"/> %
2.2.3	Livestock keeping/herding	<input type="text"/>	<input type="text"/> %
2.2.4	Off Farm Income	<input type="text"/>	<input type="text"/> %
2.2.5	Remittances	<input type="text"/>	<input type="text"/> %
2.2.6	Fishing/hunting and gathering	<input type="text"/>	<input type="text"/> %
2.2.7	Tree/forest resources (eg honey, firewood, timber,etc)	<input type="text"/>	<input type="text"/> %
			<input type="text"/> %

Definition and working page for page 1

General Definitions

Small holder hh/small scale farm:

Should have between 25sq metres and 20 Hectares under production, and/or between 1 and 50 head of Cattle, and/or between 5 and 100 head of Sheep/Goats/Pigs, and/or between 50 and 1000 chickens/turkeys/ducks/rabbits.

Household: A group of people who occupy the whole or part of one or more housing units and makes joint provisions for food and/or other essentials for living.

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 making decisions.

Agricultural Holding: This is an economic unit of agricultural production under single management. It consists of all livestock kept and all land used for agricultural production without regard to title. For the purpose of this 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/pigs or fifty chicken/ducks/turkeys during the agricultural year 2002/03 (October 2002 to September 2003) .

Question Specific Definitions:

Type of Agriculture Holdings Codes (Q2.1):

- **Crops only:** A holding is referred to be a crops only holding if it has cultivated a piece of land equal or exceeding 25 sq Meter. This also applies to all households owning or have kept livestock whose number does not qualify such household to be an agricultural holding (No cattle, less than 5 goats/sheep/pigs, less than 50 chickens/turkeys/ducks/rabbits)

- **Livestock only:** A holding is referred to be a Livestock only holding if it has exercised Livestock husbandry only during the agricultural year. The livestock can be herded in search for areas of pasture, but the core household unit always remains in the same place and the herder is rarely away from this place for long periods at a time.

- **Livestock pastoralism:** 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.

For both livestock only and pastoralism , the number of livestock has to be at least 1 head of cattle, 5 goats/sheep/pigs or 50 chickens/turkeys/ ducks/rabbits. This also applies to all households owning or have cultivated a piece of land less than 25 sq meter, which does not qualify such household to be an agricultural holding.

- **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 is owning or have kept livestock whose number qualify such household to be an agricultural holding.

Important livelihood activities/source of income (Q 2.2):

- **Crop farming:** This refers to a household where crop production is its major means of subsistence and income generation.

- **Livestock farming/herding/pastoralism:** This refers to a household where livestock farming/herding is its major means of subsistence & income generation.

- **Off Farm Income** This refers to cash generated from activities other than from the households holding. This can be from permanent employment (eg government/other), temporary employment/labouring and includes cash generated from working on other farmers farms.

-**Remittances:** Assistance from family members who are not currently part of the household, or from a relative or family friend. This assistance is usually in the form of cash but it can also be in-kind (eg food, clothes, building material, farm tools, etc). The money is a gift and is not paid back.

-**Fishing/hunting and gathering** The use of non farmed resources for food eg fishing, hunting wildlife and gathering mushrooms, berries, wild honey roots from uncultivated land.

Procedures for Questions:

Q 2.1 Type of agriculture household/holding

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

Note: If the hh had 1 acre of crops and raised 40 chickens during 2002/03 it is classified as '**Crops only**' as the number of chickens do not qualify the hh as keeping livestock.

Q 2.2 Important hh livelihood activities /source of income

1. Read the list in column 1 to the respondent and ask him to rank them in order of importance during the reference year.

2. In column 2 Indicate the importance of each activity by placing '1' against the most important, '2' against the second most important, etc until you reach '7' the least important activity/source of income.

Note: You must attempt to fill in all boxes. Most households will carry out these activities to a greater or lesser degree. You will normally have to probe to get remittances.

If the hh did not undertake an activity during the 2002/2003 agriculture year then mark the appropriate box in column 2 with an 'X'.

3. For each activity/source of income assign a percentage. The enumerator should assist the respondent in assigning the percentage based on the information provided by the farmer.

4. After completing column 3 make sure the percentages add up to 100.

Note: It is not essential to be 100% accurate. This question is just to give the relative importance of the different items in general terms

3.0 HOUSEHOLD INFORMATION

3.1 Give details of personal **particulars** of all household members beginning with the head of the household

S/N	Names of household members	Relation-ship to head	Sex M=1 F=2	Age (if age is above 99 years then write 99)	Survival of Parents		Not applicable for children under 5 years of age					
					Mo-ther	Fa-ther	Read & Write	Edu- ca- tion Status	Education Level reached	Invol- vement in farming	Main activity (for aged 5 & above)	Off-farm Income
					(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
3.1.1	1	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.1.2	<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="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.1.3	<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="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.1.4	<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="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.1.5	<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="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.1.6	<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="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.1.7	<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="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.1.8	<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="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.1.9	<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="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.1.10	<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="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.1.11	<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="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.1.12	<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="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.1.13	<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="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.1.14	<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="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.1.15	<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="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.1.16	<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="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Relation to head (Col 2)

Head of household1

Spouse2

Son/daughter3

Father/Mother4

Grandson/granddaughter5

Other Relative6

Others8

Education Status (Col 8)

Attending School1

Completed2

Never attended School3

Involvement in farming activities (Col 10)

Works full time on farm ...1

Works part-time on farm 2

Rarely works on farm3

Never works on farm.....4

Main activity (Col 11)

Crop Farming01

Livestock Keeping/Herding...02

Livestock Pastoralism.....03

Fishing04

Paid employment:

- Government/parastatal05

- Private- NGO/mission/etc .06

Self employed (non farming)

- with employees07

- without employees08

Unpaid family helper (non agriculture)09

Not working & available.....10

Not working & unavailable...11

Housemaker/housewife12

Student13

Unable to work /too old/ Retired/sick/disabled).....14

Other98

Education Level Reached (Col 9)

Primary Education	Secondary Education
Not of school ageNA	Form one11
Under Standard One 00	Form two12
Standard One01	Form three13
Standard Two02	Form four14
Standard Three03	Form five15
Standard Four04	Form six16
Standard Five05	Training after Secondary Education17
Standard Six06	University & other tertiary Education18
Standard Seven07	Adult Education19
Standard Eight08	Education99
Training after Primary Education09	Not applicable99
Pre Form One10	

Survival of Parents (Col 5 & 6)

Yes1

No2

Don't know3

Read & Write (Col 7)

Swahili1

English2

Swahili & English3

Any other language4

Don't Read/ Write5

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 7):

- **Any other language:** Must be a written language.

For someone who can read and write in Swahili 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 Swahili the correct code is 2. Code 4 should only be used for another language but not English or Swahili

Education Level Reached (Col 9):

Indicate the highest level only. For those still attending school fill in the last year reached before the survey period. For example if a hh member is currently in standard 7 this year his highest grade reached is standard 6

Main Activity (Col 11):

- **Crop farming:** The persons main activity is crop production. This can be annual crops, vegetables, permanent crops or tree farming.

- **Livestock farming/herding:** The persons main activity is livestock farming/herding. The livestock can be herded in search for areas of pasture, but the core household unit always remains in the same place and the herder is rarely away from this place for long periods at a time. This category also includes fish farming but not fishing.

- **Livestock pastoralism:** The persons main activity is in moving livestock 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 may have no permanent place of residence.

- **Paid employment** - In full time employment earning a cash income

- **Government/Parastatal** - In full time employment for a government Ministry, Department or Board that is controlled by the Government
 - **Private/NGO/Mission/etc** - employed by Non public/government organisation

- **Self employee** - works for own business for cash income

- **With employees** - Works for own business for cash and employs other workers
 - **Without employees** - Works for own business for cash but does not employ other workers

- **Not working but available to work** - No productive activity but would like to have one.

- **Not working & nor available for work** - No productive activity and does not want to have one.

- **Unable to work** too old, too young, retired, disabled, etc

Off-farm Income (Col 12) - Income made from activities NOT on the HH's farming activities. This can be any off farm income generation activity and includes working for cash on other peoples farms.

Indicate whether each member was involved in an off farm income generating activity during 2002/03

Overview to section 3.0

Section 3.0 - Preliminary note

1. Make sure that you define the hh properly to ensure that all the members of the hh are included. Make sure 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.
2. If you notice that his house is large or you see many people around his house and he has only given you small number of hh members enquire further until you are sure that you have captured all the hh members.

Procedures for questions

Section 3.0 - Household Information

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

IMPORTANT NOTE:

Cross check responses in columns 11 and 12 with section 2 especially in relation to:

off-farm income - if a hh member was involved in off farm income then there should be a response in question 2.2.4 and vice versa.

4.0 LAND ACCESS/OWNERSHIP/TENURE			
4.1 Details of area "owned" by the household in the 2002/03 agricultural year. Give area reported by the respondent in "acres".			
		Area in Acres	
4.1.1	Area Leased/Certificate of ownership	<input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/>	4.2 Was all land available to the hh used during 2002/03 (Yes=1, No=2) <input type="checkbox"/>
4.1.2	Area owned under Customary Law	<input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/>	
4.1.3	Area Bought from others	<input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/>	4.3 Do you consider that you have sufficient land for the hh (Yes=1, No=2) <input type="checkbox"/>
4.1.4	Area Rented from others	<input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/>	
4.1.5	Area Borrowed from others	<input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/>	
4.1.6	Area Share -cropped from others	<input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/>	4.4 Do any female members of the hh own or have customary right to land (Yes=1, No=2) <input type="checkbox"/>
4.1.7	Area under Other forms of tenure	<input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/>	
Total area		<input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/>	

5.0 LAND USE				
5.1 Area operated by household under different forms of land use during 2002/03 agriculture year. Give area reported by the respondent in "acres".				
		Area in Acres		Calculation area
5.1.1	Area under Temporary Mono-crops	<input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/>		
5.1.2	Area under Temporary Mixed crops (eg Maize & beans)	<input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/>		
5.1.3	Area under Permanent Mono-crops	<input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/>		
5.1.4	Area under Permanent Mixed crops (eg bananas, coffee & trees)	<input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/>		
5.1.5	Area under Permanent/temporary mix (eg bananas & maize)	<input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/>		
5.1.6	Area under Pasture	<input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/>		
5.1.7	Area under Fallow	<input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/>		
5.1.8	Area under Natural Bush	<input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/>		
5.1.9	Area under Planted Trees	<input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/>		
5.1.10	Area Rented to others	<input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/>		
5.1.11	Area Unusable	<input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/>		
5.1.12	Area of Uncultivated Usable land (excluding fallow)	<input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/>		
Total area		<input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/>		

6.0 ACCESS AND USE OF RESOURCES					
6.1 In the following table indicate the distance to the different fields used by the household					
S/N	Field Number	Distance (in kilometres) from field to:			Distance codes less than 100m1 between 2 and 3km6 between 100 and 300m .2 between 3 and 5km7 between 300 and 500m .3 between 5 and 10 km ..8 between 500 and 1km....4 Over 10 km9 between 1 and 2km5
		Homestead	Nearest road	Nearest Market	
6.1.1	1	<input type="text"/>	<input type="text"/>	<input type="text"/>	
6.1.2	2	<input type="text"/>	<input type="text"/>	<input type="text"/>	
6.1.3	3	<input type="text"/>	<input type="text"/>	<input type="text"/>	

6.2 In the following table indicate the distance and use of the following communal resources					
S/N	Communal Resource	Distance to resource (km)		Main hh use	Instructions for distance to resource (Col 2 and 3): If under 1km, write 0 If above 1km round to whole numbers eg 1.5km= 2km, 1.25km= 1km Main hh use (Col 4) Home or farm Consumption/utilisation.....1 Sold to Neighbours.....2 Sold to trader on the farm.....3 Sold to village market4 Sold to local wholesale market.....5 Sold to major wholesale market6 Not used by household.....7 Not available8
	(1)	dry season	wet season	(4)	
6.2.1	Water for humans	<input type="text"/>	<input type="text"/>	<input type="text"/>	
6.2.2	Water for livestock	<input type="text"/>	<input type="text"/>	<input type="text"/>	
6.2.3	Communal Grazing	<input type="text"/>	<input type="text"/>	<input type="text"/>	
6.2.4	Communal Firewood	<input type="text"/>	<input type="text"/>	<input type="text"/>	
6.2.5	Wood for Charcoal	<input type="text"/>	<input type="text"/>	<input type="text"/>	
6.2.6	Building poles	<input type="text"/>	<input type="text"/>	<input type="text"/>	
6.2.7	Forest for bees (honey)	<input type="text"/>	<input type="text"/>	<input type="text"/>	
6.2.8	Hunting (animal products)	<input type="text"/>	<input type="text"/>	<input type="text"/>	
6.2.9	Fishing (Fish)	<input type="text"/>	<input type="text"/>	<input type="text"/>	

Definition and working page for page 3

Question Specific Definitions

Section 4.1 - 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.

Share Cropping: where the hh is permitted to use land which is then paid for from a percentage of the harvested crop.

Section 5.0 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/Temporary 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

Distance to fields (Q6.1):

-**fields** A field is a contiguous piece of land holding which the farmer considers as a single entity. The field may be divided into plots for growing different crops. A holding may consist of one or more fields in different localities.

Use of Communal Resources (Q6.2):

-**Communal resources** - refers to the place on which all individual households can have access to. It is not individually owned or controlled by one hh.

NOTE: The listed resources refers to communal resources and not those individually owned or part shared. The resource has to be freely accessible to the whole village

Overview to section 4

Section 4.0 - Preliminary note

Land Access/ Ownership

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 households. It does include official communal land that the hh has sole access to eg 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 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 (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 amendments where appropriate.

Section 5.0 - Land Use

1. Ask the respondent the area of the different landuse categories the household has sole access to (Q5.1.1 to 5.1.12) 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.

Section 6.2 Communal resources

Note: the code "Not available" means that the resource does not exist. The code "Not Used" means that the resource does exist but is not used by the hh.

Definitions and working page for page 4

Working table for the calculation of area occupied by annual crop in a mixture

Crop mixture 1	Crop Name (b)	Total area of mix (acre) (c)	Ground area/plant (ACRE) (d)	Total no. of plants (e)	Total ground area of plants (ACRES) (f)
Permanent crop 1			0.00		0
Permanent crop 2			0.00		0
Permanent crop 3			0.00		0
Permanent crop 4			0.00		0

Total Area of permanent crops in mix .

REMAINING AREA UNDER TEMPORARY CROPS

Temporary/permanent crop name 1	crop%	crop area
Temporary/permanent crop name 1		
Temporary/permanent crop name 2		
Temporary/permanent crop name 3		

Total area check .

REMAINING AREA UNDER TEMPORARY CROPS

Crop mixture 2	Crop Name (b)	Total area of mix (acre) (c)	Ground area/plant (ACRE) (d)	Total no. of plants (e)	Total ground area of plants (ACRES) (f)
Permanent crop 1			0.00		0
Permanent crop 2			0.00		0
Permanent crop 3			0.00		0
Permanent crop 4			0.00		0

Total Area of permanent crops in mix .

REMAINING AREA UNDER TEMPORARY CROPS

Temporary/permanent crop name 1	crop%	crop area
Temporary/permanent crop name 1		
Temporary/permanent crop name 2		
Temporary/permanent crop name 3		

Total area check .

Land Clearing: Refers to removing trees/bush/grass prior to ploughing

Soil Preparation: Refers to the seedbed preparation (ploughing, harrowing, etc)

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

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

Area Harvested: The area in Acres that produced a harvest. 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.

Cash Crop Codes:

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

Crop Codes (Cereals /tubers/roots):

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

Vegetable Codes:

Co Crop	-de	Cabbage
	86	Tomatoes
	87	Spinach
	88	Carrot
	89	Chillies
	90	Amaranths
	91	Pumpkins
	92	Cucumber
	93	Egg Plant
	94	Water Mellon
	95	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	Soyabeans
	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 try to get the % occupied 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. Step C

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

- (i) 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'.
- (ii) obtain the number of permanent trees in the mix from the respondent and enter the number in column 'e'.
- (iii) 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.
- (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.

Enter the name of each annual crop in the mix & estimate the percentage of each crop.

1. Using the percentages for each crop calculate the area of each crop from the REMAINING AREA UNDER TEMPORARY CROPS.
2. After completing this exercise for all fields, sum the area of each crop in the mix plus any monocrops and enter totals in section 7.1 col 6.
3. Obtain an estimate of the planned area for each crop and enter it in column 5
4. If the area harvested is different to the area planted estimate the harvest area
5. Once the quantity harvested is obtained calculate the Yield (Metric tonnes/acre) & compare the figure with the norms given in the crop codes box. If it is excessively different check the area and the amount harvested.

Definitions and working page for page 5					
<i>Working table for the calculation of area occupied by annual crop in a mixture</i>					
Crop mixture 1	Crop Name (b)	Total area of mix (acre) (c)	Ground area/plant (ACRE) (d)	Total no. of plants (e)	Total ground area of plants (ACRES) (f)
Permanent crop 1		0.00			0 . . .
Permanent crop 2		0.00			0 . . .
Permanent crop 3		0.00			0 . . .
Permanent crop 4		0.00			0 . . .
Total Area of permanent crops in mix					0 . . .
REMAINING AREA UNDER TEMPORARY CROPS					
Permanent/Temporary crop name 1				Temp crop%	Temp crop area
Permanent/Temporary crop name 2					
Permanent/Temporary crop name 3					
Total area check					. . .
TEMPORARY CROP TOTAL CHECK					
Crop mixture 2	Crop Name (b)	Total area of mix (acre) (c)	Ground area/plant (ACRE) (d)	Total no. of plants (e)	Total ground area of plants (ACRES) (f)
Permanent crop 1			0.00		0 . . .
Permanent crop 2			0.00		0 . . .
Permanent crop 3			0.00		0 . . .
Permanent crop 4			0.00		0 . . .
Total Area of permanent crops in mix					0 . . .
REMAINING AREA UNDER TEMPORARY CROPS					
Temporary/permanent crop name 1				Temp crop%	Temp crop area
Temporary/permanent crop name 2					
Temporary/permanent crop name 3					
Total area check					. . .
TEMPORARY CROP TOTAL CHECK					

Land Clearing: Refers to removing trees/bush/grass prior to ploughing

Soil Preparation: Refers to the seedbed preparation (ploughing, harrowing, etc)

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

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

Area Harvested: The area in Acres 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):	Vegetable Codes:	Crop Codes Legumes Oil & fruit:
Code Crop	Code Crop	Code Crop	Code Crop
50 Cotton	11 Maize	27 Ginger	31 Beans
51 Tobacco	12 Paddy	86 Cabbage	32 Cowpeas
53 Pyrethrum	13 Sorghum	87 Tomatoes	33 Green gram
62 Jute	14 Bultush Millet	88 Spinach	35 Chick peas
19 Seaweed	15 Finger Millet	89 Carrot	36 Bambara nuts
	16 Wheat	90 Chillies	37 Field peas
	17 Barley	91 Amaranths	41 Sunflower
	22 Sweet Potatoes	92 Pumpkins	42 Simsim
	23 Irish potatoes	93 Cucumber	43 Groundnut
	24 Yams	94 Egg Plant	47 Soyabeans
	25 Cocoyams	95 Water Melon	48 Caster seed
	26 Onions	96 Cauliflower	
	27 Ginger	20 Garlic	

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 try to get the % occupied 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 (Step C).

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

- (i) 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'.
- (ii) obtain the number of permanent trees in the mix from the respondent and enter the number in column 'e'.
- (iii) 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.
- (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.

1. Enter the name of each annual crop in the mix & estimate the percentage of each crop.
2. Using the percentages for each crop calculate the area of each crop from the REMAINING AREA UNDER TEMPORARY CROPS.
3. After completing this exercise for all fields, sum the area of each crop in the mix plus any monocrops and enter totals in section 7.1 col 6.
4. Obtain an estimate of the planned area for each crop and enter it in column 5
5. If the area harvested is different to the area planted estimate the harvest area
6. Once the quantity harvested is obtained calculate the Yield (Metric tonnes/acre) & compare the figure with the norms given in the crop codes box. If it is excessively different check the area and the amount harvested.

Definitions and working page for page 6

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 plants:

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**, **ONLY** enter the **area of plants in column 3**.
 - B. For fields that are **mixed permanent** calculate the area of each crop based on the % **occupied by each crop method** (NOT using the number of trees method) and **ONLY** enter the area in **column 4**
 - C. For fields that are **mixed permanent/annual** either:
 - **ONLY** enter the **area in column 4** if the area of the permanent crop was based on the % **occupied by each crop method**
- OR**
- **ONLY** enter the **number of trees in column 5** if the number of permanent crop plants was provided

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
70	Passion Fruit	0.00074
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	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	Blitmbi	0.00074
99	Rambutan	0.00074
67	Bread fruit	0.00099
38	Malay apple	0.00074
39	Star fruit	0.00074

Working Area/calculation space

7.4 Main use of Secondary Products

7.5 Did you use **Secondary Products** from any of your crops during the 2002/03 year. (Yes=1, No=2)
If the response is 'NO' go to section 8.0

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

S/N	Crop name	Crop Code	Secondary product	Prod code	Used for	Unit	Total no of Units	No of units sold	Total value of sold units (Tsh.)
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
7.6.1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
7.6.2	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
7.6.3	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
7.6.4	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
7.6.5	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
7.6.6	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Main product (Col 4) Green leaves & Stem...1 Flower ...4 Straw, dry stems etc ...2 Fruit5 Root, tuber, etc3 Other8	Mainly used for (Col 5) Feeding to livestock ..1 Consumed by hh4 Building material2 Sold5 Fuel for cooking 3 Did not use6	Unit (Col 6) Loose Bundle/bunch1 kg5 Compressed bunch/Bail....2 Stems6 Tin3 Sack7 Bucket4 Other8
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8.0 AGROPROCESSING AND BY-PRODUCTS

8.1 Did the household **process** any of the products harvested on the farm during 2002/03 (Yes=1, No=2)
If the response is 'NO' go to section 9.0

8.2 List the **main crops processed** and provide the following details:

S/N	Crop name	Crop Code	Proc-ess-ed	Main Prod-uct code	Used for	Unit	Quantity of main product	Quantity Sold	Whe-re sold	By-Prod-uct code	Used for	Unit	Quantity of by-product	Quan-tity Sold
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
8.2.1	<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"/>
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"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
8.2.3	<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"/>
8.2.4	<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"/>
8.2.5	<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"/>
8.2.6	<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"/>

Processed (Col 3) On farm by hand.....1 On farm by machine.....2 By neighbours machine...3 By farmers association ...4 By Cooperative union5 By trader6 On Large scale farm7 By factory9 Other8	Main product code (Col 4) Flour/meal.....1 Grain.....2 Oil3 Juice.....4 Fiber.....5 Pulp6 Sheet7 Other8	Used for (Col 5 & 11) Household/human consumption ..1 Fuel for cooking2 Sale3 Animal consumption.....4 Did not use5 Other8	Where sold (Col 9) Neighbour.....1 Local market/trade store2 Secondary Market ...3 Marketing Coop4 Farmer Association5 Largescale farm6 Trader at farm7 Did not sell9 Other8	Unit (Col 6 & 12) Loose bundle/bunch1 Compressed bunch/bail...2 Tin3 Bucket4 kg5 litre6 Other8	By-product code (Col 10) Bran01 Cake02 Husk03 Juice04 Fiber05 Pulp06 Oil07 Shell08 Other98
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Definition and working page for page 7

Temporary/annual crop codes for section 7.4 col 2

Crop Code	Crop Name	Secondary Product Question 7.4	Agroprocessing & bi-products		
			Main Products (Section 8.0)	Bi-product (Sect 8.0)	
			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		

General Definition for Section 7.4

Secondary Products: Second most important product from a crop. Eg a household 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. By-products are the result of a processing activity and are dealt with in section 8.0.

Procedures for Questions

Q 7.6 Details of Secondary Products:

- From the list of crops in Q 7.1.2, 7.2.2 & 7.3.2, 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.
- For the listed crops give details of the secondary products used.
- If no units were sold, enter "0" in columns 8 & 9.

Q 8.0 Agroprocessing & bi-products:

- From the list of crops in Q 7.1.2, 7.2.2 & 7.3.2, ask the respondent if the hh processed any of these crops during the 2002/03 agriculture year. List the crop names and codes in column 1 and 2 for those crops that were processed by the hh.
- For the listed crops give details of the secondary crops used.
- If no main product or bi-product was sold enter "0" in columns 8 & 14.
- If no bi-product was produced enter "0" in columns 10, 11, 12, 13 & 14.

Question Specific Definitions

Agroprocessing and bi-products (Q 8.2)
(Note: Agroprocessing refers to the processing of crops for hh utilisation and for sale)

Main Product (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 5 & 11):

- Consumed by household can mean eaten or utilised in another way (eg by animals) by the hh.

9.0 CROP STORAGE

9.1 Did the household **store** any crops during the 2002/03 agriculture year? (Yes =1, No=2)
If the response is 'NO' go to section 10.0

9.2 For **each** of the listed crops provide the following details on storage

S/N	Crop Name	Stor- ed Y=1 No=2	Current Quantity Stored (kg)	Method of Storage	Normal duration of storage	Main pur- pose	Estimate Storage loss
	(1)	(2)	(3)	(4)	(5)	(6)	(7)
9.2.1	Maize	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9.2.2	Paddy	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9.2.3	Sorghum/Millet	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9.2.4	Beans, peas, etc	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9.2.5	Wheat	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9.2.6	Coffee	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9.2.7	Cashewnut	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9.2.8	Tobacco	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9.2.9	Cotton	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9.2.10	Groundnuts/bambara	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Main method of Storage (Col 4)

- In locally made traditional structure..1
- In Improved locally made structure..2
- In modern store3
- In Sacks/open drum.....4
- In airtight drum5
- Unprotected pile6
- Other8

Duration of Storage (Col 5)

- Less than 3 months1
- Between 3 and 6 months2
- Over 6 months3

Main purpose of storage (Col 6)

- Food for the household1
- To sell for higher price2
- seed for planting.....3
- Other8

Storage loss (Col 7)

- Little or no loss1
- Up to 1/4 loss2
- Between 1/4and 1/2 loss ..3
- Over 1/2 loss4

10.0 MARKETING

10.1 Did the household **sell** any crops from the 2002/03 agriculture year? (Yes=1, No=2)
(If the response is 'YES' or 'NO' go to section 10.2)

10.2 For **each of the following crops** what was the main **marketing problem** faced by the household during 02/03

	Crop	Main problem
	(1)	(2)
10.2.1	Maize	<input type="checkbox"/>
10.2.2	Rice	<input type="checkbox"/>
10.2.3	Sorghum/millet	<input type="checkbox"/>
10.2.4	Wheat	<input type="checkbox"/>
10.2.5	Beans, peas etc	<input type="checkbox"/>
10.2.6	Cassava	<input type="checkbox"/>
10.2.7	Bananas	<input type="checkbox"/>
10.2.8	Coffee	<input type="checkbox"/>

	Crop	Main problem
	(1)	(2)
10.2.9	Vegetables	<input type="checkbox"/>
10.2.10	Tree Fruits	<input type="checkbox"/>
10.2.11	Cashewnut	<input type="checkbox"/>
10.2.12	Cotton	<input type="checkbox"/>
10.2.13	Tobacco	<input type="checkbox"/>
10.2.14	Groundnuts/bamabara	<input type="checkbox"/>
10.2.15	Trees/timber/poles	<input type="checkbox"/>
10.2.16	Fish	<input type="checkbox"/>

10.3 From the list of marketing problems below, for all produce rank the five most important problems

	1	2
10.3.1	Biggest problem	<input type="checkbox"/>
10.3.2	2nd problem	<input type="checkbox"/>
10.3.3	3rd problem	<input type="checkbox"/>
10.3.4	4th problem	<input type="checkbox"/>
10.3.5	5th problem	<input type="checkbox"/>

Market problems (Q10.2 & 10.3 (Col 2))

- Open market price too low01
- Market too far05
- Government Regulatory board problems...09
- No transport02
- Farmer association problems06
- Lack of market Information10
- Transport cost too high03
- Cooperative Problems07
- Other (specify)98
- No buyer04
- Trade Union problems08
- Not Applicable99

10.4 What was the main **reason for not selling** crops during 2002/03 year

Reason for not selling crops (Q10.4)

- Price too low1
- Farmer association problems4
- Government regulatory board problems7
- Production insufficient to sell.....2
- Cooperative Problems.....5
- Other (specify)8
- Market too far3
- Trade Union problems6
- Not Applicable9

Definition and working page for page 8

Question Specific definitions (Section 9.0)

Crop Storage, Section 9

Method of Storage (column 4)

- **Locally made structure:** The structures that have been inherited from their fore fathers
- **Improved locally made structure:** Traditional structures that have been improved using modern technology.
- **Normal duration of storage:** Often there are stored stocks from different seasons and different years. The normal duration refers to the number of months that the most of the crop is stored for.

Marketing problems Q 10.2 and 10.3 col 2:

- **Farmer Association:** A village or community based group of farmers who have formed an organisation to purchase inputs/sell/store their products in order to achieve a better price for their products.
- **Cooperative Union:** Large inter-village /community organisation set up on a district/regional or national basis for providing inputs, marketing and storing farmers products.
- **Government Regulatory board:** Government control body for setting prices and controlling quality of certain agriculture commodities.

Procedures for Questions

Q 9.2 Details of Crop Storage:

1. For the crops listed indicate if the household stored any during 2002/03 in column 2.
2. Check that the crops correspond to the crop lists in Q 7.1.2, 7.2.2 & 7.3.2. If there is a difference inquire on the reason why. It is possible that a crop was missed during the enumeration of these questions and if so make necessary amendments
3. For the listed crops give details of storage.

Q 10.2 Details on Crop Marketing:

1. For each of the crops listed indicate the main problems in marketing during 2002/03 in column 2.
2. Check if the crops correspond to the crop lists list in Q 7.1.2, 7.2.2 & 7.3.2. If there is a difference inquire on the reason why. It is possible that a crop was missed during the enumeration of these questions and if so make necessary amendments

Q 10.3 Ranking of market problems:

Rank in order of importance the 5 most important marketing problems from the codes in the Market Problems code box.

Working Area/calculation space

11.0 ON-FARM INVESTMENT

11.1 Does the household practice irrigation (Yes=1, No=2)
 If the response is 'NO' go to section 11.3

S/N	Source of Irrigation water	Method of obtaining water	Method of application	Irrigatable area (acres)	Area of irrigated land this year (acres)
	(1)	(2)	(3)	(4)	(5)
11.1.1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

Source of irrigation water (Col 1)

River1 Borehole5
 Lake2 Canal6
 Dam3 Tap Water7
 Well4

Method of obtaining water (Col 2)

Gravity1 motor pump4
 Hand bucket2 Other8
 Hand pump3

Method of application (Col 3)

Flood1
 Sprinkler2
 water hose3
 Bucket/watering can4

11.2 Does the household have any erosion control/water harvesting facilities on their land (Yes=1, No=2)
 If the response is 'NO' go to section 12.0

S/N	Type of erosion control/water harvesting structure	Number of structures	Year of construction	S/N	Type of erosion control/water harvesting structure	Number of structures	Year of construction
	(1)	(2)	(3)		(1)	(2)	(3)
11.2.1	Terraces	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	11.2.5	Tree belts	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
11.2.2	Erosion control bunds	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	11.2.6	Water harvesting bunds	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
11.2.3	Gabions/Sandbags	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	11.2.7	Drainage ditches	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
11.2.4	Vetiver Grass	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	11.2.8	Dam	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>

12.0 ACCESS TO FARM INPUTS AND IMPLEMENTS

12.1 Give details of farm inputs used during the 2002/03 agriculture year

S/N	Input name	Used Yes=1 No=2	Source	Distance to Source	Source of Finance	Reason for not using	Quality of Input	Plan to use next year Yes =1, No=2
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
12.1.1	Chemical Fertiliser	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12.1.2	Farm Yard Manure	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12.1.3	Compost	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12.1.4	Pesticide/fungicide	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12.1.5	Herbicide	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12.1.6	Improved Seeds	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12.1.7	Other	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Source (Col 3)

Cooperative01
 Local farmers group02
 Local market/Trade Store ...03
 Secondary Market04
 Development project05
 Crop buyers06
 Large scale farm07
 Locally produced by hh08
 Neighbour09
 Other (specify)98
 Not applicable99

Distance to source (Col 4)

Less than 1 Km1
 Between 1 and 3km2
 between 3 and 10 km...3
 Between 10 and 20 km ...4
 20km and above5
 not applicable9

Source of finance (Col 5)

Sale of farm products .1
 Other income generating activities2
 Remittances3
 Bank Loan/Credit.....4
 produced on farm5
 Other8
 Not applicable9

Reason for not using (Col 6)

Not available1
 Price too high2
 No money to buy3
 Too much labour required..4
 Do not know how to use.....5
 Input is of no use6
 Locally produced by hh7
 Other8
 Not applicable9

Quality of input (Col 7)

Excellent1
 Good2
 Average3
 Poor4
 Does not work .5
 not applicable...9

Definition and working page for page 9	
Overview of Investment activities (Section 11.0)	
<p>Investment activities:</p> <p>Investment activities refer to medium to long term farm development structures and projects. This can be Irrigation structures, erosion and water harvesting structures or other permanent or semi-permanent investment made on the land that the household owns.</p>	
Question Specific Definitions (Q 11.1)	
<p>Source of irrigation Water (Col 1): The main source of water from which water is obtained for irrigation.</p> <p>Method of obtaining water (Col 2): The mechanism by which the water is extracted from the source,</p> <p>Application Method (Col 3): How the water is applied on the field.</p> <ul style="list-style-type: none"> - Flood - is the application of water down the slope of the land by means of gravity - Sprinkler - is the application of pressurised water through pipes. The water passes through a device which sprays the water onto the crop from above. <p>Irrigatable Area (Col 4): The area the irrigation system is designed to cover in acres.</p> <p>Area of irrigated land this year (Col 5): Area of land under irrigation during the 2002/03 agric year. This is the physical area and NOT the cumulative area of 2 or more croppings.</p>	<p>Q 11.1 Irrigation</p> <ol style="list-style-type: none"> 1. If the hh practices irrigation give details on the main source, main method of obtaining and applying water. 2. Cross check column 8, Q 7.1.2, 7.2.2 & 7.3.2 to check if irrigation was used on any crops.
Question Specific Definitions (Q 11.3)	
<p>Erosion control/water harvesting structure (Col 1)</p> <p>Terraces: Are structures constructed on the side of a hill to provide a level ground to plant crops. They are often used to trap water for paddy/lowland rice production.</p> <p>Erosion Control Bunds: These are banks of earth/stones built perpendicular to the slope to slow down water and prevent erosion. They are different to Terraces in that the soil behind the banks are not level.</p> <p>Gabions: A gabion is a wire mesh box filled with rocks/stones and used to control or prevent gully erosion</p> <p>Sandbags Used to prevent or control gully erosion</p> <p>Tree belts/Wind breaks: A band of trees planted perpendicular to the prevailing wind whose main purpose is to slow down wind speed</p> <p>Water Harvesting bunds: A bank of earth constructed horizontal to the slope of the land to trap water. They are usually banana shaped.</p> <p>Dam: A bank of earth/material which traps river water to form a catchment of water behind it.</p>	<p>Q 11.3 erosion control/water harvesting</p> <ol style="list-style-type: none"> 1. Number of 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 that the structures were first constructed. It is not the year that the structures were last maintained.
Farm Inputs (Q 12.1.1 to 12.1.7)	
<p>Farm yard Manure: An organic fertiliser made on farm composed of animal dung.</p> <p>Compost: An organic fertiliser made on farm from decomposed plant material</p> <p>Pesticide: Chemical used to either protect the plant from or kill insects, birds, molluscs, mites, etc attacking the plant</p> <p>Fungicide: is a chemical that s used to protect the plant from or control a fungal disease.</p> <p>Herbicide: A chemical used to control weeds.</p>	<p>Q 12.0 Farm Inputs</p> <ol style="list-style-type: none"> 1. Indicate in column 1 whether each of the inputs are used or not. 2. Complete cols 3, 4, 6, and 7 for inputs that are used and place '9' in column 5 (for not applicable). 3. Complete cols 5 & 7 for inputs not used. <p>NOTE: Cross check column 6, 7, 8 & 9 , Q 7.1.2, 7.2.2 & 7.3.2 to check what inputs were used.</p>

12.2 Give details of farm implements and assets used and owned by the household during 2002/03 agriculture year								
S/N	Equipment/Asset Name	Number		Used in 2002/03 Yes 1, No=2	Source of Equip-ment	Source of Fin-ance	Reason for not using	Plan to use next year Yes=1, No=2
		Owned	rent-ed					
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
12.2.1	Hand Hoe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12.2.2	Hand Powered Sprayer	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12.2.3	Oxen	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12.2.4	Ox Plough	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12.2.5	Ox Seed Planter	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12.2.6	Ox Cart	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12.2.7	Tractor	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12.2.8	Tractor Plough	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12.2.9	Tractor Harrow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12.2.10	Shellers/threshers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		Source of equipment (Col 5) Neighbour.....1 Development project5 Cooperative2 Government6 Local farmers association.....3 Large scale farm7 market/Trade store4 Other (specify)8			Source of finance (Col 6) Sale of farm products1 Other income generating activities .2 Remittances3 Bank Loan4 Credit5 Other8 Not applicable9		Reason for not using (Col 7) Not available1 Price too high2 No money to buy/rent.....3 Too much labour required...4 Equipment/Asset of no use ...5 Other8 Not applicable9	
13.0 USE OF CREDIT FOR AGRICULTURE PURPOSES								
13.1	During the year 2002/03 did any of the hh members borrow money for agriculture (Yes = 1, No = 2) <i>(if the response is 'NO' go to section 13.3)</i>							<input type="checkbox"/>
13.2	Give details of the credit obtained during the agricultural year 2002/03 <i>(if the credit was provided in kind , for example by the provision of inputs, then estimate the value in 13.2.9)</i>							
	use codes to indicate source	Source "a"		Source "b"		Source "c"		
	Provided to Male = 1, Female 2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<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		
13.2.1	Labour	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13.2.2	Seeds	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13.2.3	Fertilisers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13.2.4	Agrochemicals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13.2.5	Tools/equipment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13.2.6	Irrigation structures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13.2.7	Livestock	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13.2.8	Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13.2.9	Value of Credit (Tsh.)	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
13.2.10	Value of repayment (Tsh.)	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
13.2.11	Period of repayment (months)	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Source of credit (Q 13.2-a, b and c) Family, friend or relative.....1 Commercial Bank.....2 Cooperative3 Savings & credit Soc4 Trader/trade store5 Private individual6 Religious Organisation/NGO/Project ...7 Other (Specify).....8								
13.3	If the answer to question 13.1 above is 'NO' what is the reason for not using Credit?							<input type="checkbox"/>
Reason for not using credit (Q13.3) Not needed ...1 Not available ...2 Did not want to go into debt.....3 Interest rate/cost too high.....4 Did not know how to get credit...5 Difficult bureaucratic procedure ...6 Credit granted too late ...7 Other (specify) ...8 Dont know about credit9								

Definition and working page for page 10

Question Specific Definitions (Q 12.2)

Farm Implements (Col 1):

Hand powered Sprayer: Knapsack or bicycle pump sprayer

Reason for not using (Col 6): Be careful about using "too much labour required" as this code generally refers to hand hoes only. The codes for this should **"NOT"** be read out to the farmer as a prompt.

Note: If remittance is given as the main source of finance check for a response to remittances in **question 2.2.5**

Question Specific Definitions (Q 13.0)

Section 13.0 Credit for Agriculture Purposes

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 agriculture produce.

Section 13.0 Credit for Agriculture Purposes

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 agriculture produce, then the cash value of this must be estimated.

Period of repayment: This is the time **in months** the borrower has given for full repayment.

Procedures for questions

Q 12.0 Farm Inputs

1. Indicate in column 2 and 3 whether each of the implements were used or not.
2. Complete cols 4, 5, 6, and 8 for inputs that are used and place '9' in column 7 (for not applicable).
3. Complete cols 7 & 8 for inputs not used.

Section 13.2 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".

NOTE: Check for use of inputs in column 7, 8 & 9 of questions 7.1.2, 7.2.2 & 7.3.2.

Working Area/calculation space

A large empty rectangular box with rounded corners, intended for working area or calculation space.

14.0 TREE FARMING/AGROFORESTRY

14.1 Did your household have any **Planted Trees** on your land during 2002/03 agric year? (Yes =1, No=2)
 If the response is 'NO' go to section 14.3

14.2 Give details of the **planted trees** you have on your land.

S/N	Tree Code	Number of trees	Where planted	Main Use	Secondary Use	Number of Plank trees Sold	Number of Pole trees Sold	hh utilised		Total Value (Tsh.)
								Poles	Timber	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
14.2.1	<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"/>
14.2.2	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
14.2.3	<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"/>
14.2.4	<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"/>

Where Planted (Col 3)
 Mostly on field/plot boundaries.1
 Mostly scattered in fields2
 Mostly in plantation/coppice ...3

Use (Col 4 & 5)
 Planks/Timber.....1 Shade5
 Poles2 Medicinal.....6
 Charcoal3 Other8
 Fuel wood4

14.3 Does your village have a **Community tree planting scheme** (Yes=1, No=2)
 If the response is 'NO' go to section 15.0

14.4 Household involvement in **community tree planting scheme**

S/N	Distance to community planted forest (Km)	hh Involvement	Main purpose	Main use during 2002/03
	(1)	(2)	(3)	(4)
	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

HH involvement (Col 2)
 Only planting1
 Only protection and thinning.....2
 Only cutting3
 Most or all activities.....4

Main Purpose (Col 3)
 Erosion control.....1 Environment rehaibilitation ...4
 Production of poles2 Restoration of wildlife5
 production of firewood..3 Other (specify)8

Main Use during 02/03(Col 4)
 Poles1 Not ready to use5
 Timber logs2 Not allowed to use ...6
 Charcoal3 Other (specify)8
 Firewood4

15.0 CROP EXTENSION SERVICES

15.1 Did your household receive **extension advice** for **crop production** during 2002/03 (Yes=1,No=2)
 If the response is 'NO' go to section 16.0

S/N	Extension Provider	Source of extension (Y=1,N=2)	If you pay for extension, what is the cost/yr	Contact farmer /group member (Yes=1,No=2)	No. of visits by extension agency per year	No. of message adopted in the last 3 years	Quality of Service
	(1)	(2)	(3)	(4)	(5)	(6)	(7)
15.1.1	Government extension	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
15.1.2	NGO/development project	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
15.1.3	Cooperative	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
15.1.4	Large Scale farmer	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
15.1.5	Other.....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Quality of service (Col 7)
 Very good1 good2 Average..... 3 Poor.....4 No Good5

Definition and working page for page 11**General Definitions for section 14.0****Tree Farming/Agroforestry**

This section refers to trees **planted** for wood (firewood, poles, planks, carving, charcoal, medicinal, etc, but **NOT** fruit trees). It does **not** include naturally growing trees on the farm (unless special care has been given to promote their establishment) or trees growing naturally on the communal areas.

Tree farming is the planting of trees on an area of land for which the main purpose is the production and regeneration of trees for wood on that land.

Agroforestry: is the planting of trees on land for the purpose of complementing other farming activities like crop and animal production. For the purpose of this questionnaire Agroforestry trees are trees planted on boundaries and scattered throughout fields. The main productive unit in this case is Crops and Livestock.

Section 14.2 Details of planted trees

1. Enter the tree codes of the main species grown by the hh
2. If no planks or poles are sold enter a "0" in columns 8, & 9.
3. Total value includes both value of hh utilised trees and sold trees.
4. If no trees were utilised by the hh or sold enter "0" in column 10

Question Specific Definitions**Tree farming (Section 14.0)**

Pole trees (Col 6): These are young trees which have a maximum diameter of 6 inches at the bottom and are often used for house construction. They are often the thinning harvest after 3 - 5 years.

Plank trees (Col 7): Trees for sawing into timber planks.

Animal shade: Trees grown for the purpose of providing shade to animals.

Community tree planting scheme (Section 14.3)

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

Crop Extension Services (Section 15.1)

Contact Farmer: A farmer who is used by the extension agent as a focal point to demonstrate new interventions. The contact farmer then passes on the message to other farmers

Group member: Member of a group under which the contact farmer leads

Adoption: This is the uptake of an intervention for 2 or more years

Section 15.1 Crop Extension Services

1. For each of the extension providers ask if the hh received extension during 2002/2003 agriculture year and indicate in column 2.
2. For each of the providers complete the rest of the columns

Tree Name Guide Col 1

Code	Local Name	Botanical Name	English Name
01		<i>Senna siamea</i>	Cassod tree
02	Msongoma	<i>Gravellia</i>	Silver oak
03	Mbarika	<i>Azelia quanzensis</i>	Pod mahogany
04	Mkeshia	<i>Acacia spp</i>	Umbrella thorn
05	Msindano	<i>Pinus spp</i>	Pine
06	Mkaratusi	<i>Eucalyptus spp</i>	Red River Gum
07		<i>Cyprus spp</i>	Cyprus tree
08	Mtondoo	<i>Calophyllum inophyllum</i>	
09	Mvule	<i>Melicia excelsa</i>	Iroko
10	Mvinji	<i>Casurina equisetifolia</i>	Whistling oak
11	Msaji	<i>Tectona grandis</i>	Teak
12	Mkungu wa kienyeji	<i>Terminalia catapa</i>	Sea almond
13	Mkungu india	<i>Terminalia ivorensis</i>	Black afara
14	Muhumula	<i>Maesopsis berchemoides</i>	
15			

Code	Local Name	Botanical Name	English Name
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			

15.2 Crop Extension Messages				
S/N	Extension Message	Received Advice	Adopted	Source of Crop Extension
		Yes=1 No=2	Yes=1 No=2	
	(1)	(2)	(3)	(4)
15.2.1	Spacing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15.2.2	Use of agrochemicals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15.2.3	Erosion control	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15.2.4	Organic fertiliser use	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15.2.5	Inorganic fertiliser use	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15.2.6	Use of improved seed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15.2.7	Mechanisation/LST	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15.2.8	Irrigation Technology	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15.2.9	Crop Storage	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15.2.10	Vermin control	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15.2.11	Agro-processing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15.2.12	Agro-forestry	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15.2.13	Bee Keeping	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15.2.14	Fish Farming	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15.2.15	Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Source of extension (Col 4) Government1 NGO/Dev project ...2 Cooperative ...3 Large scale farmer4 Other (Specify) ...8 Not applicable9				

16.0 LIVELIHOOD CONSTRAINTS				
From the list of constraints on the right select:				List of constraints 1. Access to Land 2. Ownership of Land 3. Poor farm Inputs 4. Soil Fertility 5. Access to improved seed 6. Irrigation facilities 7. Access to chemical Inputs 8. Cost of Inputs 9. Extension Services 10. Access to forest resources 11. Hunting and Gathering 12. Access to potable water 13. Access to credit 14. Harvesting 15. Threshing 16. Storage 17. Processing 18. Market Information 19. Transport costs 20. Distraction by animals 21. Stealing 22. Pests and Diseases 23. Local government taxation 24. Access to off Farm Income
16.1	the 5 most important problems	16.2	the 5 least important problems	
	Order of most importance		Order of least importance	
	Constraint		Constraint	
	(1)		(1)	
	(2)		(2)	
16.1.1	most important	<input type="checkbox"/>	16.2.1 Least important	
16.1.2	2nd most important	<input type="checkbox"/>	16.2.2 2nd least important	<input type="checkbox"/>
16.1.3	3rd most important	<input type="checkbox"/>	16.2.3 3rd least important	<input type="checkbox"/>
16.1.4	4th most important	<input type="checkbox"/>	16.2.4 4th least important	<input type="checkbox"/>
16.1.5	5th most important	<input type="checkbox"/>	16.2.5 5th least important	<input type="checkbox"/>

17.0 ANIMAL CONTRIBUTION TO CROP PRODUCTION				
17.1	Did you use Draft animals to cultivate your land during 02/03 (Yes=1, No=2) <input type="checkbox"/>			
(If no, go to question 17.2)				
S/N	Type of Draft	Number owned	Number used	Area cultivated (acres)
	(1)	(2)	(3)	(4)
17.1.1	Oxen	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17.1.2	Bulls	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17.1.3	Cows	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17.1.4	Donkeys	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17.2	Did you apply organic fertiliser during 02/03 (Yes=1, No=2) <input type="checkbox"/>			
(If no, go to question 18)				
S/N	Type of organ Fertiliser	Area applied (acres)		
	(1)	(2)		
17.2.1	FYM	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17.2.2	Compost	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Definitions and working page for page 12

Question Specific Definitions

Crop Extension Advice (Section 15.2)

Mechanisation/LST: LST means Labour Saving Technology

Section 16.0 Livelihood constraints

16.1 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 ✓ 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

16.2 List the five least important problems in order of least importance:

1. Read out the list of constraints to the respondent and ask him to select the ones that are **NOT** a problem. Place an ✗ against the constraints that are **NOT** a problem.
2. Read the selected constraints and ask the farmer to select 5 which create the least problems
3. Ask the farmer to list these in order of least importance and enter in column 2

18.0 CATTLE POPULATION, INTAKE AND OFFTAKE														
18.1 Did the household own, raise or manage any CATTLE during 2002/03 agriculture year? (Yes =1 No =2) <input type="checkbox"/>														
18.2 Cattle Population as of 1st October 2003 Cattle Intake during 2002/2003														
S/N	Cattle type (1)	Number of		Number of Improved		Total (5)	Number Purchased (6)	Number given /obtained (7)	Number Born (8)	Total Intake of Cattle (9)	Average Value per head (10)			
		Indigenous (2)	Beef (3)	Dairy (4)										
18.2.1	Bulls								X X X					
18.2.2	Cows								X X X					
18.2.3	Steers								X X X					
18.2.4	Heifers								X X X					
18.2.5	Male Calves													
18.2.6	Female Calves													
Grand Total														
Total Intake														
18.5 Cattle diseases														
S/N	Cattle type (1)	Number Sold/traded (2)	Number con sumed by hh (3)	Number given away/stolen (4)	Number died (5)	Total Cattle Offtake (6)	Average value per head (7)	Disease/parasite (1)	Number Infected (2)	Number Treated (3)	No. Rec- overed (4)	Number Died (5)	Least vacci- nated (6)	Main Sou- rce (7)
18.4.1	Bulls							tick Borne diseases						
18.4.2	Cows							18.5.1 CBPP						
18.4.3	Steers							18.5.2 Typanosomiasis					X	X
18.4.4	Heifers							18.5.3 Lumpy Skin Disease						
18.4.5	Male Calves							18.5.4 Helmenthiotis					X	X
18.4.6	Female Calves							18.5.6 FMD						
Total Offtake														
18.6 Milk Production														
S/N	Season (1)	Litres of milk/day (2)	No. of cattle milked/day (3)	Value/litre (4)	Sold to (5)	Sold /day (Litres) (6)								
18.6.1	Wet Season													
18.6.2	Dry Season													

Last Vaccinated (Col 6)			
2003	2000	2002	2001
1	2	3	4
5	6	7	8
Main Source of vaccine (Col 7)			
Private Vet Clinic ..	1	Other	8
District Vet Clinic ..	2	Not applicable ..	9
NGO/Project	3		

Sold to Q18.6 Col 5							
Neighbour	1	Large scale farm ..	5				
Local Market	2	Trader at Farm ...	6				
Secondary Market ...	3	Did not sell	7				
Processing industry ..	4	Other	8				

Definitions and working page for page 13

General definitions for page 13

Cattle Intake during 2002/03: Cattle purchased, given or born which increases the number of cattle in the herd.

Cattle Offtake during 2002/03:

Cattle removed from the herd, either by selling, hh consumption, given away or stolen.

Question Specific Definitions (Section 18.0)

Cattle type (Q 18.2 & 18.4, Col 1)

Bull: Mature **Uncastrated** male cattle used for breeding

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

Steer: Castrated male cattle over 1 year

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

Calves: Young cattle under 1 year of age

Average Value per Head (Q 18.3, (Col 7 & 9) & 18.4 (Col 3, 5 & 7))

In these columns give the average value per head during 2002/03. For given, traded, consumed by the hh & given away/stolen estimate the value.

Cattle vaccination (18.5 col 1)

ECF: East Coast Fever

FMD: Foot and Mouth Disease

CBPP: Contagious Bovine Pleura Pneumonia

Section 18.0 Cattle Population, Intake & Offtake.

NOTE: Section 18.1 is for the current population (as of 1st October 2003);

Section 18.2 and 18.3 is for movement in and out of the herd during the 2002/03 agriculture year.

Section 18.4 is for diseases encountered during the agriculture year.

1. If the household has cows, you would normally expect them to have calves in column 8

2. If calves are reported in column 2, 3, or 4 (18.2.6, 18.2.5) then there must be at least that number repeated in column 8

Note: If the farmer reports sales of cattle the importance of this must be reflected in Q 2.2.3

Section 18.5 If cattle are reported to have died in Column 5 then at least that number should be reported in 18.4 col 4

Working area for page 13

19.0 GOAT POPULATION, INTAKE AND OFFTAKE															
19.1 Did the household own, raise or manage any GOATS during the 2002/03 agriculture year? (If no go to section 20.0)											(Yes =1 No =2)				
19.2 Goat Population as of 1st October 2003															
S/N	Goat type (1)	Number of Indigenous (2)	Number of Improved for meat (3)	Dairy (4)	Total (5)	S/N	Number Purchased (6)	Number given /obtained (7)	Number Born (8)	Total Intake of Goats (9)	Average Value per head (10)				
19.2.1	Billy Goat					19.3.1			X X X						
19.2.2	Castrated Goat					19.3.2			X X X						
19.2.3	She Goat					19.3.3			X X X						
19.2.4	Male Kid					19.3.4									
19.2.5	She Kid					19.3.5									
Grand Total						Total Intake									
19.4 Goat Offtake during 2002/2003															
S/N	Goat type (1)	Number Sold/traded (2)	Number con sumed by hh (3)	Number given away/stolen (4)	Number died (5)	Total Goat Offtake (6)	Average value per head (7)	S/N	Disease/ parasite (1)	Number Infected (2)	Number Treated (3)	No. Rec overed (4)	Number Died (5)	Last vacci nated (6)	Main Sou -rce (7)
19.4.1	Male goat							19.5.1	Foot Rot					X	X
19.4.2	Castrated Goat							19.5.2	CC PP						
19.4.3	She Goat							19.5.3	Helminthosis					X	X
19.4.4	Male Kid							19.5.4	Tetanus						
19.4.5	She Kid							19.5.5	Mange					X	X
Grand Total						Total Offtake									
19.6 Milk Production															
S/N	Season (1)	Litres of milk/day (2)	No. of Goats milked/day (3)	Value/litre (4)	Sold to (5)	Sold/day (Litres) (6)									
19.6.1	Wet Season														
19.6.2	Dry Season														

Sold to Q19.6 Col 5)
 Neighbour.....1 Largescale farm ..5
 Local Market.....2 Trader at Farm ..6
 Secondary Market...3 Did not sell.....7
 Processing industry .4 Other8

Last Vaccinated (Col 6)
 20031 20004
 20022 before 20005
 20013 Not Vaccinated...6

Main Source of vaccine (Col 7)
 Private Vet Clinic ..1 Other8
 District Vet Clinic ..2 Not applicable9
 NGO/Project.....3

Definitions and working page for page 14

Goat definitions for page 14

Goat Intake during 2002/03: Goat purchased, given or born which increases the number of goats in the herd.

Goat Offtake during 2002/03:

Goat removed from the herd, either by selling, hh consumption, given away or stolen.

Question Specific Definitions (Section 19.0)

Goat type (Q 19.2 & 19.4, Col 1)

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

Kid: Young goat under 9 months of age.

Average Value per Head (Q 19.3, (Col 7 & 9) & 19.4 (Col 3, 5 & 7))

In these columns give the average value per head during 2002/03. For given, traded, consumed by the hh & given away/stolen estimate the value.

Goat vaccination (19.5 col 1)

FMD: Foot and Mouth Disease

CCPP: Contagious Caprine Pleura Pneumonia

LSD: Lumpy Skin Disease

Section 19.0 Goat Population, Intake & Offtake.

NOTE: Section 19.1 is for the current population (as of 1st October 2003);

Section 19.2 and 18.3 is for movement in and out of the herd

during the 2002/03 agriculture year.

Section 19.4 is for diseases encountered during the agriculture year.

1. If the household has she goats, you would normally expect them to have kids in column 8

2. If kids are reported in column 2, 3, or 4 (19.2.6, 19.2.5) then there must be at least that number repeated in column 8

Note: If the farmer reports sales of goats the importance of this must be reflected in Q 2.2.3

Section 19.5 If goats are reported to have died in Column 5 then at least that number should be reported in 19.4 col 4

Working area for page 14

20.0 SHEEP POPULATION, INTAKE AND OFFTAKE															
20.1 Did the household own, raise or manage any SHEEP during the 2002/03 agriculture year? (Yes =1 No =2) (If no go to section 21.0)															
20.2 Sheep Population as of 1st October 2003															
20.3 Sheep Intake during 2002/2003															
S/N	Sheep type (1)	Number of Indigenous (2)	Number of Improved		Total (5)	S/N	Number Purchased (6)	Number given /obtained (7)	Number Born (8)	Total Intake of Sheep (9)	Average Value per head (10)				
			for Mutton (3)	Dairy (4)											
20.2.1	Ram			X X X		20.3.1			X X X						
20.2.2	Castrated Sheep			X X X		20.3.2			X X X						
20.2.3	She Sheep			X X X		20.3.3			X X X						
20.2.4	Male lamb			X X X		20.3.4									
20.2.5	She lamb			X X X		20.3.5									
Grand Total															
20.4 Sheep Offtake during 2002/2003															
S/N	Sheep type (1)	Number Sold/traded (2)	Number con sumed by hh (3)	Number given away/stolen (4)	Number died (5)	Total Sheep Offtake (6)	S/N	Disease/ parasite (1)	Number Infected (2)	Number Treated (3)	No. Rec overed (4)	Number Died (5)	Last vacci nated (6)	Main Sou -rce (7)	
															Average value per head (7)
20.4.1	Ram														
20.4.2	Castrated Sheep						20.5.1	Foot Rot					X	X	
20.4.3	She Sheep						20.5.2	CC PP							
20.4.4	Male lamb						20.5.3	Helminthiosis					X	X	
20.4.5	She lamb						20.5.4	Trypa nsomiasis							
Total Offtake															
Last Vaccinated (Col 6)												20031 20004 20022 before 20005 20013 Not Vaccinated...6			
Main Source of vaccine (Col 7)												Private Vet Clinic ...1 Other8 District Vet Clinic ...2 Not applicable ...9 NGO/Project3			

Definitions and working page for page 15
Sheep definitions for page 15

Sheep Intake during 2002/03: Sheep purchased, given or born which increases the number of Sheep in the herd.

Sheep Offtake during 2002/03: Sheep removed from the herd, either by selling, hh consumption, given away or stolen.

Question Specific Definitions (Section 20.0)

Sheep type (Q 20.2 & 20.4, Col 1)

Ram: Mature **Uncastrated** male goat 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.

Average Value per Head (Q 20.3, (Col 7 & 9) & 20.4 (Col 3, 5 & 7))

In these columns give the average value per head during 2002/03. For given, traded, consumed by the hh & given away/stolen estimate the value.

Sheep vaccination (20.5 col 1)

FMD: Foot and Mouth Disease

CCPP: Contagious Caprine Pleura Pneumonia

Section 20.0 Sheep Population, Intake & Offtake.

NOTE: Section 20.1 is for the current population (as of 1st October 2003); Section 20.2 and 20.3 is for movement in and out of the herd during the 2002/03 agriculture year. Section 20.4 is for diseases encountered during the agriculture year.

1. If the household has ewes, you would normally expect them to have kids in column 8
2. If lambs are reported in column 2, 3, or 4 (20.2.6, 20.2.5) then there must be at least that number repeated in column 8

Note: If the farmer reports sales of Sheep the importance of this must be reflected in Q 2.2.3

Section 20.5 If Sheep are reported to have died in Column 5 then at least that number should be reported in 20.4 col 4

Working area for page 15

|

<p>Definitions and working page for page 16 Pigs definitions for page 16</p> <p>Pig Intake during 2002/03: Pigs purchased, given or born which increases the number of Pigs in the production unit.</p> <p>Pig Offtake during 2002/03: Pigs removed from the production unit, either by selling, hh consumption, given away or stolen.</p>	<p>Section 21.0 Pig Population, Intake & Offtake.</p> <p>NOTE: Section 21.1 is for the current population (as of 1st October 2003); Section 21.2 and 21.3 is for movement in and out of the herd during the 2002/03 agriculture year. Section 21.4 is for diseases encountered during the agriculture year.</p> <ol style="list-style-type: none"> 1. If the household has sows, you would normally expect them to have piglets in column 8 2. If piglets are reported in column 2, 3, or 4 (20.2.6, 20.2.5) then there must be at least that number repeated in column 8 <p>Note: If the farmer reports sales of Pigs the importance of this must be reflected in Q 2.2.3</p> <p>Section 20.5 If Pigs are reported to have died in Column 5 then at least that number should be reported in 20.4 col 4</p>
<p>Question Specific Definitions (Section 21.0)</p> <p>Pigs type (Q 21.2 & 21.4, 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: 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>Average Value per Head (Q 21.3, (Col 7 & 9) & 21.4 (Col 3, 5 & 7))</p> <p>In these columns give the average value per head during 2002/03. For given, traded, consumed by the hh & given away/stolen estimate the value.</p>	<p>Working area for page 16</p> <p style="text-align: center;"> </p>
<p>Pig vaccination (21.5 col 1)</p> <p>ASF: African Swine Fever</p>	

23.0 Other Livestock currently available and details of consumption and sales during the last 12 months						
	Animal type	Current Number	Sold during 2002/03		Consumed during 2002/03	
			Number	Average Value/head	Number	Average Value/head
			(1)	(2)	(3)	(4)
23.1	Indigenous Chicken	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
23.2	Layer	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
23.3	Broiler	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
23.4	Ducks	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
23.5	Turkeys	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
23.6	Rabbits	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
23.7	Donkeys	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
23.8	Horses	<input type="text"/>	<input type="text"/>	<input type="text"/>	X X X	X X X X X
23.9	Other	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
24.0	CHICKEN DISEASES	Number infected	Number Treated	Number Died	Number Recovered	
24.1	Newcastle Disease	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
24.2	Gumboro	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
24.3	Coccidiosis	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
24.4	Chorysa	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
24.5	Fowl typhoid	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
25.0	LIVESTOCK PRODUCT	Sold during 2002/03		Consumed/utilised during 2002/03		
		Number	Average Value/unit	Number	Average Value/unit	
25.1	Eggs	<input type="text"/>	X <input type="text"/>	<input type="text"/>	<input type="text"/>	
25.2	Hides	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
25.3	Skins	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
26.0	List in order of importance the outlets for the sale of Livestock					
S/N	Impo-rtance of outlet	Outlets for Cattle	Out-lets for Goat	Outlets for Sheep	Outl-ets for Pigs	Outlets for Chick-ens
	(1)	(2)	(3)	(4)	(5)	(6)
26.1	1st	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
26.2	2nd	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
26.3	3rd	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
26.4	4th	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
26.5	5th	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Outlet code (Col 2, 3, 4 & 5) Trader at farm.....1 Abattoir/factory.....5 Local Market2 Another farmer6 Secondary market/auction.....3 Other (Specify).....8 Neighbour4						
Source of structure (Q27.0 - Col 2) Owns1 NGO6 Cooperative2 Large scale farm7 Local farmers association 3 Other8 Gov extension/veterinary4 Not applicable9 Development project5						
27.0	Access to functional Livestock structures /accessories					
S/N	Type of structure/accessory	Source of Structure	Distance to struct-ure (Km)			
	(1)	(2)	(3)			
27.1	Cattle Dip	<input type="text"/>	<input type="text"/>			
27.2	Spray Race	<input type="text"/>	<input type="text"/>			
27.3	Hand powered sprayer	<input type="text"/>	<input type="text"/>			
27.4	Cattle crush	<input type="text"/>	<input type="text"/>			
27.5	Primary Market	<input type="text"/>	<input type="text"/>			
27.6	Secondary Market	<input type="text"/>	<input type="text"/>			
27.7	Abattoir	<input type="text"/>	<input type="text"/>			
27.8	Slaughter Slab	<input type="text"/>	<input type="text"/>			
27.9	Hide/skin shed	<input type="text"/>	<input type="text"/>			
27.10	Input supply	<input type="text"/>	<input type="text"/>			
27.11	Veterinary Clinic	<input type="text"/>	<input type="text"/>			
27.12	Village holding ground	<input type="text"/>	<input type="text"/>			
27.13	village watering point/dam	<input type="text"/>	<input type="text"/>			
27.14	Drencher	<input type="text"/>	<input type="text"/>			

Definition and working page for page 17**Question Specific Definitions Section 26.0)****Question Specific Definitions Section 27.0)****Access to functional Livestock Structures/accessories (Section 27.0):**

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.

Spray Race: A fixed spray structure on an animal race for spraying acaricide

Cattle crush: Corridor structure for restraining cattle.

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.

Slaughter Slab: Concrete slab designed for slaughtering a small amount of animals

Hides: obtained from Cattle

Skins: Obtained from sheep and goats

Hide/Skin Shed: Shed for curing/tanning animal skins and hides

Village holding Pen: Enclosure for containing large amount of livestock which is owned communally.

Drencher: Device for orally administering medicine to livestock. If no product was sold in 2002 enter "0" in columns 6, 7 & 9.

Procedures for questions**Section 23.0 - Other Livestock:**

1. The current number includes both adult and young animals. For example The number of chickens in col 1 would include adults and chicks.

Section 26.0 - Outlets for livestock:

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".

28.0 FISH FARMING

28.1 Was Fish farming carried out by this household during 2002/2003? (If the response is 'NO' go to section 29.0)
 (Yes = 1, No=2)

28.2 Specify details of fish farming practices

S/N	Product Fish unit farming system (1)	Size of unit/pond (m2) (3)	Source frequency of fmg of stocking -ering (No/year) (4)	Number of stocked fish		Weight of fish harvested (10)	Weight of fish sold (11)	Mainly sold to (12)
				Tilapia (6)	Carp (7)			
28.1.1	1							
28.1.2	2							
28.1.3	3							

Farming System (Col 2)
 Natural Pond ..1 Natural Lake.....3 Other8
 Dug out pond...2 Water reservoir..4

Source of fingerlings (Col 4)
 Own pond1 NGO/Project...3 P rivate trader ...5
 Government Institution ..2 Neighbour4 Other.....8

Mainly sold to (Col 12)
 Neighbour.....1 Secondary Market.....3 Largescale farm5 Did not sell7
 Local Market.....2 Processing industry4 Trader at Farm6 Other8

29.0 LIVESTOCK EXTENSION

29.1 Did you receive livestock extension advice during 02/03 (Yes=1, No=2) (If the response is 'NO' go to section 30.0)

S/N	Livestock Extension Message (1)	Received Advice (2)		Adopted (3)		Source of Livestock Extension (4)		If you pay for extension, what is the cost/yr (2)	Contact far-mer/group member (Y=1,N=2) (3)	No. of visits by extension agency/year (4)	No. of mess -ages adopted in the last 3 yrs (5)	Quality of Service (6)
		Yes=1, No=2	No=2	Yes=1	No=2	Livestock	Extension					
29.1.1	Feed and Proper feeding											
29.1.2	Housing (Goat, Dairy, Poultry, Pigs)											
29.1.3	Proper Milking											
29.1.4	Milk Hygiene											
29.1.5	Disease control (dipping/spraying)											
29.1.6	Herd/Flock size and selection											
29.1.7	Pasture Establishment											
29.1.8	Group formation and strengthening											
29.1.9	Calf rearing											
29.1.10	Use of improved bulls											
29.1.11	Other livestock extension											

Source of livestock extension (Col 4)
 Government1 NGO/Dev project...2 Cooperative ...3 Large scale farmer4 Other (Specify)8

30.0 GOVERNMENT REGULATORY PROBLEMS

31.1 Did you face problems with government regulations during 2002/03 (Y=1, N=2) (If the response is no go to section 31.0)

List in order of importance			
Problem code	Problem code	Problem code	Problem code
30.1.1	1st		
30.1.2	2nd		
30.1.3	3rd		

Land ownership by government1
 Restriction of sale between regions ..2
 Import of food items3
 Other (specify)8

<p>Definitions and working page for page 18 General definitions for Section 28.0</p> <p>Fish farming: Refers to the rearing/production of fish. It is different to fishing in that the fish have to be reared and fed in fish farming. Fishing traps or captures naturally occurring fish in rivers, lakes and the sea and should not be included in this section.</p>	<p>Working area for page 18</p>
<p>Question Specific Definitions (Section 28.2)</p> <p>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).</p> <p>Frequency of stocking (Col 5): What is the number of times the farmer puts new fingerlings into the pond each year.</p> <p>Fingerlings: These are young immature fish used for stocking ponds.</p> <p>Sold: (Col 10 & 11) If no fish were sold enter "0" in column 10 and 11)</p> <p>Livestock Extension Services (Section 29.1)</p> <p>Adopted (Col 3): This is the uptake of an intervention for 2 or more years</p> <p>Livestock Extension Service providers (Section 29.2)</p> <p>Contact Farmer: A farmer who is used by the extension services as a focal point to demonstrate new interventions to. The contact farmer then passes on the message to other farmers</p> <p>Adopted (Col 5): This is the uptake of an intervention for 2 or more years</p>	

31.0 LABOUR USE			32.0 SUBSISTENCE vs NON-SUBSISTENCE						
31.1 Who is mainly responsible for undertaking the following tasks:			32.1 Indicate if any members of the household was involved in the following activities and assess the percentage used for subsistence/consumption by the household:						
S/N	Activity	Tick if carried out by hh	Main responsibility	S/N	Activity	Tick if hh was involved in activity	Estimate % used for subsistence	Estimate % used for no subsistence	Check Total
	(1)	(2)	(3)		(1)	(2)	(3)	(4)	(5)
31.1.1	Land Clearing	<input type="checkbox"/>	<input type="checkbox"/>	32.1.1	Crop production	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	1 0 0
31.1.2	Soil preparation (by hand)	<input type="checkbox"/>	<input type="checkbox"/>	32.1.2	Livestock production	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	1 0 0
31.1.3	Soil preparation (oxen/trac	<input type="checkbox"/>	<input type="checkbox"/>	32.1.3	Vegetable production	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	1 0 0
31.1.4	Planting	<input type="checkbox"/>	<input type="checkbox"/>	32.1.4	Tree cutting for firewood	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	1 0 0
31.1.5	Weeding	<input type="checkbox"/>	<input type="checkbox"/>	32.1.5	Tree logging for poles	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	1 0 0
31.1.6	Crop Protection	<input type="checkbox"/>	<input type="checkbox"/>	32.1.6	Tree logging for timber	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	1 0 0
31.1.7	Harvesting	<input type="checkbox"/>	<input type="checkbox"/>	32.1.7	Tree logging for charcoal	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	1 0 0
31.1.8	Crop processing	<input type="checkbox"/>	<input type="checkbox"/>	32.1.8	fishing	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	1 0 0
31.1.9	Crop marketing	<input type="checkbox"/>	<input type="checkbox"/>	32.1.9	bee keeping	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	1 0 0
31.1.10	Cattle rearing/husbandry	<input type="checkbox"/>	<input type="checkbox"/>	32.1.10	employment/off farm	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	1 0 0
31.1.11	Cattle herding	<input type="checkbox"/>	<input type="checkbox"/>	32.1.11	employment/off farm	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	1 0 0
31.1.12	Cattle marketing	<input type="checkbox"/>	<input type="checkbox"/>	32.1.12	Remittances	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	1 0 0
31.1.13	Goat/sheep rearing/husband	<input type="checkbox"/>	<input type="checkbox"/>						
31.1.14	Goat and sheep herding	<input type="checkbox"/>	<input type="checkbox"/>						
31.1.15	Goat and sheep marketing	<input type="checkbox"/>	<input type="checkbox"/>						
31.1.16	Milking	<input type="checkbox"/>	<input type="checkbox"/>						
31.1.17	Pig rearing/husbandry	<input type="checkbox"/>	<input type="checkbox"/>						
31.1.18	Poultry keeping	<input type="checkbox"/>	<input type="checkbox"/>						
31.1.19	Collecting Water	<input type="checkbox"/>	<input type="checkbox"/>						
31.1.20	Collecting Firewood	<input type="checkbox"/>	<input type="checkbox"/>						
31.1.21	Pole cutting	<input type="checkbox"/>	<input type="checkbox"/>						
31.1.22	Timber wood cutting	<input type="checkbox"/>	<input type="checkbox"/>						
31.1.23	Building/maintaining house	<input type="checkbox"/>	<input type="checkbox"/>						
31.1.24	Making Beer	<input type="checkbox"/>	<input type="checkbox"/>						
31.1.25	Bee keeping	<input type="checkbox"/>	<input type="checkbox"/>						
31.1.26	Fishing	<input type="checkbox"/>	<input type="checkbox"/>						
31.1.27	Fish farming	<input type="checkbox"/>	<input type="checkbox"/>						
31.1.28	Off-farm income generation	<input type="checkbox"/>	<input type="checkbox"/>						
Responsibility (Col 3) HH head alone1 Girls6 Adult Males2 Boys & Girls7 Adult Females.....3 All household members.....8 Adults.....4 Hired labour9 boys5									
Satisfied with service (Col 4) Very good1 Average.....3 No good5 Good2 Poor4 Not applicable 9									
33.0 ACCESS TO INFRASTRUCTURE & OTHER SERVICES									
S/N	Type of service	Distance in Km		S/N	Type of service	Distance in Km			
	(1)	(2)			(1)	(2)			
33.1	Primary School	<input type="text"/>	<input type="text"/>	32.7	Feeder Road	<input type="text"/>	<input type="text"/>		
33.2	Secondary School	<input type="text"/>	<input type="text"/>	32.8	All weather road	<input type="text"/>	<input type="text"/>		
33.3	Health Clinic	<input type="text"/>	<input type="text"/>	32.9	Tarmac road	<input type="text"/>	<input type="text"/>		
33.4	Hospital	<input type="text"/>	<input type="text"/>	32.10	Primary market	<input type="text"/>	<input type="text"/>		
33.5	District Capital	<input type="text"/>	<input type="text"/>	32.11	Secondary market	<input type="text"/>	<input type="text"/>		
33.6	Regional Capital	<input type="text"/>	<input type="text"/>	32.12	Tertiary market	<input type="text"/>	<input type="text"/>		
S/N	Type of service	Distance in Km	No of visits/year	Satisfied with service					
	(1)	(2)	(3)	(4)					
33.13	Vet Clinic	<input type="text"/>	<input type="text"/>	<input type="text"/>					
33.14	Extension Centre	<input type="text"/>	<input type="text"/>	<input type="text"/>					
33.15	Research Station	<input type="text"/>	<input type="text"/>	<input type="text"/>					
33.16	Plant protection Lab	<input type="text"/>	<input type="text"/>	<input type="text"/>					
33.17	Land registration office	<input type="text"/>	<input type="text"/>	<input type="text"/>					
33.18	Livestock Dev Centre	<input type="text"/>	<input type="text"/>	<input type="text"/>					

Definition and working page for page 19**Question specific definitions (Section 31.1)****Activity (Col 1):**

Land Clearing: Refers to removing trees/bush/grass prior to ploughing

Soil Preparation: Refers to the seedbed preparation (ploughing, harrowing, etc).

Cattle Rearing: Tending to cattle at home, eg assisting with births, castration, etc. Different livestock keeping activity to herding.

Cattle Herding: Moving livestock from place to place for grazing and water. If herding is carried out the respondent must also give a response to rearing/husbandry

Question Specific Definitions (Section 32.0.0)**Activity (Col 1):**

Subsistence: For the family's survival, rather than for the generation of cash. This includes feeding the hh, provision of water and fuel for cooking. The source of these products are usually from the land resources available to the family. Remember that not all cash earnings are for non subsistence purposes/activities as cash can be used to purchase subsistence items eg food.

Non -subsistence: Cash used for items and activities which are not crucial for the survival of the family. This includes modern medication, non working clothes, refined beer, school fees, etc.

Procedures for (Section 31.1)**Section 31.1 ((Labour use)**

1. For each listed activity in column 1, place a tick in column 2 if any member of the household was involved in that activity during the 2002/03 agriculture year.

2. After completing column 2 return to the first activity in row 27.1.1 and complete column 3.

3. Make sure you stress MAINLY responsible.

NOTE: If an activity has been mentioned previously in the questionnaire eg that the hh keeps chickens, make sure a response is obtained in the appropriate place ie poultry keeping.

If off-farm income generation is mentioned, check for responses to off farm income in other parts of the questionnaire

Section 32.0 - Subsistence vs Non-subsistence

1. For each listed activity in column 1, place a tick in column 2 if any member of the household was involved in that activity during the 2002/03 agriculture year.

2. After completing column 2 return to the first activity in row 32.1.1 and complete column 3 & 4. For each activity make an assessment of the percentage used for subsistence survival and the percent converted to cash for non subsistence goods and items.

3. Make sure you stress MAINLY responsible.

NOTE: Cross check the responses with previous sections in the questionnaire. eg if a response is given to remittances check for an entry in question 2.2.5

34.0 HOUSEHOLD FACILITIES																					
34.1	House Construction	34.2 Household assets																			
<p>For the main dwelling, what are the main building materials used in the construction of the following</p> <p>34.1.1: Roof <input type="checkbox"/> 34.1.2 Number of rooms <input type="checkbox"/> <input type="checkbox"/></p> <div style="border: 1px solid black; padding: 5px; margin-top: 5px;"> <p>Roof Material</p> <p>Iron Sheets.....1</p> <p>Tiles2</p> <p>Concrete3</p> <p>Asbestos4</p> <p>Grass/leaves.....5</p> <p>Grass & mud.....6</p> <p>Other (Specify) 8</p> </div>		<p>Does your household own the following?</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 80%;">Asset</th> <th style="width: 20%;">Y=1 N=2</th> </tr> </thead> <tbody> <tr><td>34.2. Radio/cassette, music system)</td><td><input type="checkbox"/></td></tr> <tr><td>34.2. Telephone (landline)</td><td><input type="checkbox"/></td></tr> <tr><td>34.2. Telephone (mobile)</td><td><input type="checkbox"/></td></tr> <tr><td>34.2. Iron</td><td><input type="checkbox"/></td></tr> <tr><td>34.2. Wheelbarrow</td><td><input type="checkbox"/></td></tr> <tr><td>34.2. Bicycle</td><td><input type="checkbox"/></td></tr> <tr><td>34.2. Vehicle</td><td><input type="checkbox"/></td></tr> <tr><td>34.2. Television</td><td><input type="checkbox"/></td></tr> </tbody> </table>		Asset	Y=1 N=2	34.2. Radio/cassette, music system)	<input type="checkbox"/>	34.2. Telephone (landline)	<input type="checkbox"/>	34.2. Telephone (mobile)	<input type="checkbox"/>	34.2. Iron	<input type="checkbox"/>	34.2. Wheelbarrow	<input type="checkbox"/>	34.2. Bicycle	<input type="checkbox"/>	34.2. Vehicle	<input type="checkbox"/>	34.2. Television	<input type="checkbox"/>
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34.2. Television	<input type="checkbox"/>																				
34.3	Energy use by the Household	34.4 Access to drinking water																			
<p>Energy use and access by the household</p> <table border="1" style="width:100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th colspan="2" style="text-align: center;">Main Source of energy for</th> </tr> </thead> <tbody> <tr> <td style="width: 50%; padding: 5px;"> <p>34.3.1 Lighting <input type="checkbox"/> <input type="checkbox"/> 34.3.2 Cooking <input type="checkbox"/> <input type="checkbox"/></p> <div style="display: flex; justify-content: space-between;"> <div style="border: 1px solid black; padding: 5px; width: 45%;"> <p>Lighting energy</p> <p>Mains electricity.....01</p> <p>Solar02</p> <p>Gas (biogas)03</p> <p>Hurricane Lamp04</p> <p>Pressure Lamp05</p> <p>Wick Lamp06</p> <p>Candles07</p> <p>Firewood08</p> <p>Other (specify) 98</p> </div> <div style="border: 1px solid black; padding: 5px; width: 45%;"> <p>Cooking energy</p> <p>Mains electricity.....01</p> <p>Solar02</p> <p>Gas (hh biogas)03</p> <p>Bottled gas04</p> <p>Paraffin/kerocine.....05</p> <p>Charcoal.....06</p> <p>Firewood07</p> <p>Crop Residues08</p> <p>Livestock dung09</p> <p>Other (specify)98</p> </div> </div> </td> <td style="padding: 5px;"> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">Season</th> <th style="width: 20%;">Main source of drinking water</th> <th style="width: 20%;">Distance to source (in km)</th> <th style="width: 45%;">Time to and from source (Hour : minute)</th> </tr> <tr> <th style="text-align: center;">(1)</th> <th style="text-align: center;">(2)</th> <th style="text-align: center;">(3)</th> <th style="text-align: center;">(4)</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;">34.4. 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Wet Season	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> . <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> : <input type="checkbox"/> <input type="checkbox"/>	34.4. Dry Season	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> . <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> : <input type="checkbox"/> <input type="checkbox"/>
Main Source of energy for																					
<p>34.3.1 Lighting <input type="checkbox"/> <input type="checkbox"/> 34.3.2 Cooking <input type="checkbox"/> <input type="checkbox"/></p> <div style="display: flex; justify-content: space-between;"> <div style="border: 1px solid black; padding: 5px; width: 45%;"> <p>Lighting energy</p> <p>Mains electricity.....01</p> <p>Solar02</p> <p>Gas (biogas)03</p> <p>Hurricane Lamp04</p> <p>Pressure Lamp05</p> <p>Wick Lamp06</p> <p>Candles07</p> <p>Firewood08</p> <p>Other (specify) 98</p> </div> <div style="border: 1px solid black; padding: 5px; width: 45%;"> <p>Cooking energy</p> <p>Mains electricity.....01</p> <p>Solar02</p> <p>Gas (hh biogas)03</p> <p>Bottled gas04</p> <p>Paraffin/kerocine.....05</p> <p>Charcoal.....06</p> <p>Firewood07</p> <p>Crop Residues08</p> <p>Livestock dung09</p> <p>Other (specify)98</p> </div> </div>	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">Season</th> <th style="width: 20%;">Main source of drinking water</th> <th style="width: 20%;">Distance to source (in km)</th> <th style="width: 45%;">Time to and from source (Hour : minute)</th> </tr> <tr> <th style="text-align: center;">(1)</th> <th style="text-align: center;">(2)</th> <th style="text-align: center;">(3)</th> <th style="text-align: center;">(4)</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;">34.4. Wet Season</td> <td style="text-align: center;"><input type="checkbox"/> <input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/> <input type="checkbox"/> . <input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/> <input type="checkbox"/> : <input type="checkbox"/> <input type="checkbox"/></td> </tr> <tr> <td style="padding: 5px;">34.4. Dry Season</td> <td style="text-align: center;"><input type="checkbox"/> <input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/> <input type="checkbox"/> . <input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/> <input type="checkbox"/> : <input type="checkbox"/> <input type="checkbox"/></td> </tr> </tbody> </table> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p>Main Source of drinking water</p> <p>Piped water01 Covered rainwater catchment ...07</p> <p>Protected well02 Uncovered rainwater catchment 08</p> <p>Protected/covered spring ...03 Water Vendor09</p> <p>Unprotected Well04 Tanker truck10</p> <p>Unprotected spring05 Bottled water11</p> <p>Surface water (lake/dam/river/stream)06 Other (Specify)98</p> </div>	Season	Main source of drinking water	Distance to source (in km)	Time to and from source (Hour : minute)	(1)	(2)	(3)	(4)	34.4. Wet Season	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> . <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> : <input type="checkbox"/> <input type="checkbox"/>	34.4. Dry Season	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> . <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> : <input type="checkbox"/> <input type="checkbox"/>				
Season	Main source of drinking water	Distance to source (in km)	Time to and from source (Hour : minute)																		
(1)	(2)	(3)	(4)																		
34.4. Wet Season	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> . <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> : <input type="checkbox"/> <input type="checkbox"/>																		
34.4. Dry Season	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> . <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> : <input type="checkbox"/> <input type="checkbox"/>																		
34.5	Access to toilet facilities	34.6 Food consumption patterns																			
<p>34.5.1 What type of toilet does your hh use <input type="checkbox"/></p> <div style="border: 1px solid black; padding: 5px; margin-top: 5px;"> <p>Type of toilet</p> <p>No toilet/bush.....1 Improved pit latrine - hh owned.....4</p> <p>Flush toilet2 Other type (specify)5</p> <p>Pit latrine - traditional ..3</p> </div>		<table border="1" style="width:100%; border-collapse: collapse;"> <tbody> <tr> <td style="width: 5%; padding: 5px;">34.6.</td> <td style="width: 85%; padding: 5px;">Number of meals the hh normally has per day</td> <td style="width: 10%; padding: 5px;"><input type="checkbox"/></td> </tr> <tr> <td style="padding: 5px;">34.6.</td> <td style="padding: 5px;">Number of days hh consumed meat last week</td> <td style="padding: 5px;"><input type="checkbox"/></td> </tr> <tr> <td style="padding: 5px;">34.6.</td> <td style="padding: 5px;">How often did the hh have problems in satisfying the food needs of the hh last year?</td> <td style="padding: 5px;"><input type="checkbox"/></td> </tr> </tbody> </table> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p>Problems satisfying hh food needs (row 34.6.3)</p> <p>Never1</p> <p>Seldom2</p> <p>Sometimes3</p> <p>Often4</p> <p>Always5</p> </div>		34.6.	Number of meals the hh normally has per day	<input type="checkbox"/>	34.6.	Number of days hh consumed meat last week	<input type="checkbox"/>	34.6.	How often did the hh have problems in satisfying the food needs of the hh last year?	<input type="checkbox"/>									
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34.6.	How often did the hh have problems in satisfying the food needs of the hh last year?	<input type="checkbox"/>																			
34.7	Source of Household income																				
<p>34.7.1 What is the households main source of cash income? <input type="checkbox"/> <input type="checkbox"/></p> <div style="border: 1px solid black; padding: 5px; margin-top: 5px;"> <p>Source of Income codes</p> <p>Sale of food crops01 Wages or salaries in cash07</p> <p>Sale of Livestock.....02 Other casual cash earnings ..08</p> <p>Sale of livestock products ...03 Cash remittances09</p> <p>Sale of cash crops.....04 Fishing10</p> <p>Sale of forest products05 Other98</p> <p>Business income.....06 Not applicable99</p> </div>																					

Definition and working page for page 20**Household facilities (Section 34):****Number of rooms used for sleeping in the household (Q 34.1)**

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 34.2): these assets must be functioning. Do not include if broken.

Access to drinking water (Q 34.4): If there is more than one source, use the one, which the hh uses most frequently.

Main source of hh cash income:

Activity that provides the hh with the most cash during 2002/03 agriculture year.

Average/maximum yields											
Use this table to compare the yields calculated in sections 7.1, 7.2, and 7.3. They are STRICTLY to be used as guidelines only and the sole purpose is to assist in getting the correct area and harvest for each crop											
Crop Name	kg/ha		kg/acre		Crop Name	kg/ha		kg/acre			
	Average	Max	Average	Max		Average	Max	Average	Max		
	11	Maize	1200	6250		486	2530	86	Cabbage		0
12	Paddy	700	4000	283	1619	87	Tomatoes		0	0	
13	Sorghum	750	3500	304	1417	88	Spinach		0	0	
14	Bulrush Millet	350	3000	142	1215	89	Carrot		0	0	
15	Finger Millet	300	2500	121	1012	90	Chillies		0	0	
16	Wheat	1200	4500	486	1822	91	Amaranths		0	0	
17	Barley	1400	2300	567	931	92	Pumpkins		0	0	
21	Cassava	3000	7000	1215	2834	93	Cucumber		0	0	
22	Sweet Potato	600	8000	243	3239	94	Egg Plant		0	0	
23	Irish potatoes	750	8500	304	3441	95	Water Mellon		0	0	
24	Yams	4000	10000	1619	4049	96	Cauliflower		0	0	
25	Cocoyams	2500	5000	1012	2024	52	Sisal	800	25000	324	10121
26	Onions			0	0	54	Coffee	500	100	202	40
27	Ginger			0	0	55	Tea	2500	10000	1012	4049
31	Beans	400	1300	162	526	56	Cacao	200	1000	81	405
32	Cowpeas	300	1750	121	709	57	Rubber	400	1400	162	567
33	Green gram			0	0	58	Wattle			0	0
34	Pigeon pea	600	2000	243	810	59	Kapok			0	0
35	Chick peas	500	1500	202	607	60	Sugar Cane	60000	150000	24291	60729
36	Bambara nut	600	4000	243	1619	61	Cardamom			0	0
41	Sunflower	600	1700	243	688	71	Banana	10000	50000	4049	20243
42	Simsim	300	1000	121	405	72	Avocado			0	0
43	Groundnut	600	4000	243	1619	73	Mangoes	10000	25000	4049	10121
47	Soyabeans	1300	2500	526	1012	74	Papaw	50000	70000	20243	28340
48	Caster seed	300	750	121	304	76	Orange	20000	40000	8097	16194
75	Pineapple	25000	60000	10121	24291	77	Grape fruit	30000	50000	12146	20243
50	Cotton	300	1500	121	607	78	Grapes	5000	30000	2024	12146
51	Tobacco	500	2000	202	810	79	Mandarin/tange	20000	40000	8097	16194
53	Pyrethrum			0	0	80	Guava	7000	35000	2834	14170
62	Jute	800	3500	324	1417	81	Plums			0	0
44	Palm Oil	1200	5000	486	2024	82	Apples			0	0
45	Coconut	2000	8000	810	3239	83	Pears			0	0
46	Cashewnut	9	60/tree	4	24	84	Pitches			0	0

Back Page Reference material
 This page contains reference information that may be required to complete some of the questions in the questionnaire.

Weights and measures			Conversions		
1 hectare	= 10,000 sq metres	(100 x 100 metres)	1 hectare	= 2.47 acres	
1 kilometre	= 1000 metres		1 mile	= 1.61 Kilometres	
1 acre	= 4840 square yards	(110 x 44 yards)			

Kg equivalents
 The following standards may be used as a guide to obtain kg if the reported unit is different. Only use these conversions if the respondent is unable to provide weights in kgs.

Crop Name	Number of Kgs		Non-standard		Crop Name	Number of Kgs		Non-standard	
	Standard		Name	kgs		Standard		Name	kgs
	Bag	Tin				Bag	Tin		
11 Maize	100	18	Rumbesi	140	86 Cabbage	50			
12 Paddy	75	15			87 Tomatoes	90			
13 Sorghum	100	18			88 Spinach	45			
14 Bulrush Millet	100	18			89 Carrot	110			
15 Finger Millet	120	20			90 Chillies	85			
16 Wheat	75	15			91 Amaranths	50			
17 Barley	75	15			92 Pumpkins	60			
21 Cassava	60	12			93 Cucumber	80			
22 Sweet Potatoe	80	16			94 Egg Plant	70			
23 Irish potatoes	80	16			95 Water Mellon	80			
24 Yams	80	16			96 Cauliflower	50			
25 Cocoyams	80	16			52 Sisal	130			
26 Onions	80	16			54 Coffee	55			
27 Ginger	75	15			55 Tea	60			
31 Beans	100	20			56 Cacao	60			
32 Cowpeas	100	20			57 Rubber				
33 Green ram	100	20			58 Wattle	90			
34 Pigeon pea	100	20			59 Kapok				
35 Chick peas	100	20			60 Sugar Cane	120			
36 Bambara nut	100	20			61 Cardamom	100			
41 Sunflower	60	12			71 Banana	120			
42 Simsim	100	20			72 Avocado	140			
43 Groundnut	50	10			73 Mangoes	130			
47 Soyabeans	100	20			74 Papaw	100			
48 Caster seed	100	20			76 Orange	130			
75 Pineapple	90	18			77 Grape fruit	120			
50 Cotton	50	10			78 Grapes	80			
51 Tobacco	70	14			79 Mandarin/tange	110			
53 Pyrethrum	60	12			80 Guava	110			
62 Jute	50	10			81 Plums	110			
44 Palm Oil	100				82 Apples	110			
45 Coconut	75				83 Pears	110			
46 Cashewnut	80				84 Pitches	110			



For official use only:
 If a question has a query, an indication will be made by the supervisor/data entry controller on the front page of the questionnaire. This space is to note what and where the problem is, the action required to be taken and the responsible person to take follow up action.

Nature of the problem:

Action Required: National supervisor action Field supervisor action

Overall Status: Does not affect overall integrity of the questionnaire. More data is required before it can be used Discard and resample
 Discard as missing data

Appendix V
Community Level Questionnaire

United Republic of Tanzania									
									
Village/community Level formats									
<ul style="list-style-type: none"> - Access to and use of Communal resources - Farm Gate Prices of commodities produced by the village 									
 Agriculture Sample Census 2002/2003 									
Region	<input style="width: 20px; height: 20px;" type="text"/> <input style="width: 20px; height: 20px;" type="text"/>							
District	<input style="width: 20px; height: 20px;" type="text"/> <input style="width: 20px; height: 20px;" type="text"/>							
Ward	<input style="width: 20px; height: 20px;" type="text"/> <input style="width: 20px; height: 20px;" type="text"/>							
Village	<input style="width: 20px; height: 20px;" type="text"/> <input style="width: 20px; height: 20px;" type="text"/>							
Enumerator Name									
signature									
Date Enumerated		<input style="width: 20px; height: 20px;" type="text"/> <input style="width: 20px; height: 20px;" type="text"/> / <input style="width: 20px; height: 20px;" type="text"/> <input style="width: 20px; height: 20px;" type="text"/> / <input style="width: 20px; height: 20px;" type="text"/> <input style="width: 20px; height: 20px;" type="text"/>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">Start time</td> <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;">End time</td> <td style="text-align: center;"> <input style="width: 20px; height: 20px;" type="text"/> <input style="width: 20px; height: 20px;" type="text"/> </td> <td style="text-align: center;"> <input style="width: 20px; height: 20px;" type="text"/> <input style="width: 20px; height: 20px;" type="text"/> </td> </tr> </table>	Start time	Hour	Minutes	End time	<input style="width: 20px; height: 20px;" type="text"/> <input style="width: 20px; height: 20px;" type="text"/>	<input style="width: 20px; height: 20px;" type="text"/> <input style="width: 20px; height: 20px;" type="text"/>
Start time	Hour	Minutes							
End time	<input style="width: 20px; height: 20px;" type="text"/> <input style="width: 20px; height: 20px;" type="text"/>	<input style="width: 20px; height: 20px;" type="text"/> <input style="width: 20px; height: 20px;" type="text"/>							
Field level checking by:			<i>To be completed by the supervisor ONLY after field/farm level checking of the enumeration process. This should be countersigned by the enumerator.</i>						
District Supervisor:	Name	signature		Date .. / .. / ..					
Regional Supervisor:	Name	signature		Date .. / .. / ..					
National Supervisor:	Name	signature		Date .. / .. / ..					
District checking in Office:			<i>All questionnaires must be checked at the district office.</i>						
District Supervisor	Name	signature		Date .. / .. / ..					
For Use at National Level only:			<i>See back page for details of query</i>						
Data Entered by	Name	signature		Date .. / .. / ..					
Queried	Name	signature		Date .. / .. / ..					
Executed by the Ministry of Agriculture & Food Security, Ministry of Water & Livestock Development, Ministry of Cooperatives and Marketing and National Bureau of Statistics									
									

Definition and working page for page 1

Question Specific Definitions

Use key informants to provide answers to the questions in this booklet questions. Key informants can be the village chairman, village extension officer or knowledgeable member of community. Where possible ask these questions to a group in order to reach a consensus.

Question Specific Definitions:

Access to Communal Resources - Section 1.0

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

Area of Communal Land: Official area demarcated by the village as shared/public land

Area of Squatting Farmers: area of official communal land on which individual hhs make sole claim to (eg for crop farming or fenced livestock etc)

Remaining available: Official area of communal land minus area of squatting farmers

Community tree planting scheme

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

Plantation 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.

Indigenous 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 development assistance to the farmer and is free from direct government links.

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

1 ACCESS TO COMMUNAL RESOURCES									
1.1 Does the village have an area set aside for communal resources eg forest, grazing, etc (Yes =1 No =2)								<input type="checkbox"/>	
<i>(If the response is no go to 1.2)</i>									
1.1 Area of Village Communal resource						Area in Acres			
1.1.1	Total Area of communal land					<input type="text"/>	<input type="text"/>	<input type="text"/>	Official figure from community leader
1.1.2	Area of squatting farmers on communal land					<input type="text"/>	<input type="text"/>	<input type="text"/>	Key respondent (leader/extension/etc)
1.1.3	Remaining available as communal resource					<input type="text"/>	<input type="text"/>	<input type="text"/>	Key respondent (leader/extension/etc)
1.2 ACCESS AND USE OF COMMUNAL RESOURCES									
	Communal Resource	Distance to resource (km)		Main hh use		Instructions for distance to resource (Col 2 and 3): Distance is from the centre of the village. If under 1km, write 0 If above 1km round to whole numbers eg 1.5km= 2km, 1.25km= 1km Main use (Col 4) Home or farm Consumption/utilisation...1 Sold to trader at the village.....2 Sold to village market3 Sold to local wholesale market.....4 Sold to major wholesale market5 Not available6			
	(1)	dry season	wet season	(4)					
	(2)	(3)							
1.2.1	Water for humans	<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	<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	<input type="text"/>	<input type="text"/>	<input type="text"/>					
1.2.6	Building poles	<input type="text"/>	<input type="text"/>	<input type="text"/>					
1.2.7	Forest for bees (honey)	<input type="text"/>	<input type="text"/>	<input type="text"/>					
1.2.8	Hunting(animal products)	<input type="text"/>	<input type="text"/>	<input type="text"/>					
1.2.9	Fishing (Fish)	<input type="text"/>	<input type="text"/>	<input type="text"/>					
2.0 COMMUNITY PLANTED TREES									
2.1 Does your village have a Community tree planting scheme (Yes=1, No=2)								<input type="checkbox"/>	
<i>If the response is 'NO' go to section 14.0</i>									
Details of the community tree planting scheme									
S/N	Distance to community planted forest (Km)	Area of Community Forest (acr)	Type of planting	Type of trees	Source of seeds/ seedlings	Number of years since planting started	Main use during 2002/03	Main use of community forest revenue	
	(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) Plantation planting.....1 Spot planting2 Type of tree (Col 4) Indigenous.....1 exotic2 both3			Source of Seedlings (Col 5) Seeds collected and directly planted by village.....1 Village Nursery2 Department of forestry3 Private nursery4			Main Uses (Col 7) Poles1 Timber logs2 Charcoal3 Firewood4 Other Specify8		Main use of revenue (Col8) Village development fund.1 household consumption...2 Household Income3	
3.0 Non Government Organisation (NGO) Contact					4.0 Community Based Organisation (CBO)				
3.1 Did an NGO visit the village during the year(Y=1,N=2)					4.1 Does the village have CBOs (Y=1, N=2)				
<i>(If no go to Section 4)</i>									
S/N	Type of NGO	Visited Y=1, N=2	Number of visits	Distance to Office (km)	S/N	Type of CBO	In village Y=1, N=2		
	Extension/Research NGO	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>		Extension/Research CBO	<input type="checkbox"/>		
	Service/input provision NGO	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>		Service/input provision CBO	<input type="checkbox"/>		
	Community development NGO	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>		Community development CBO	<input type="checkbox"/>		
	Other NGO	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>		Other CBO	<input type="checkbox"/>		
5.1 Did the village have any on-farm trials (y=1,n=2)					5.2 Has there been an research prioritisation exercise (Y=1, N=2)				
<input type="checkbox"/>					<input type="checkbox"/>				