



United Republic of Tanzania

NATIONAL SAMPLE CENSUS OF AGRICULTURE 2019/20

LARGE SCALE FARMERS QUESTIONNAIRE

(This survey is conducted in accordance with the Statistics Act, [Cap 351 R.E 2019] and the Office of Chief Government Statistician Act. No. 9 of 2007)

THIS INFORMATION IS STRICTLY CONFIDENTIAL AND IS TO BE USED FOR STATISTICAL PURPOSES ONLY

Executed by the Ministry of Agriculture, Ministry of Livestock and Fisheries; President's Office, Regional Administration and Local Governments; Ministry of Industries and Trade ; Ministry of Water and Irrigation; Ministry of Agriculture, Natural resources, Livestock and Fisheries, Zanzibar; the National Bureau of Statistics and the Office of the Chief Government Statistician, Zanzibar



SECTION 1: IDENTIFICATION BLOCK

FARM LOCATION

Y(S)															
X(E)															

CODE

NAME

1. REGION	<input type="text"/>	<input type="text"/>	_____
2. DISTRICT	<input type="text"/>	<input type="text"/>	_____
3. WARD/SHEHIA	<input type="text"/>	<input type="text"/>	_____
4. VILLAGE/STREET	<input type="text"/>	<input type="text"/>	_____
5. FARM No.	<input type="text"/>	<input type="text"/>	_____
6. NAME OF FARM	_____		
7. NAME OF FARM OWNER	_____		
8. FARM ADDRESS	_____		
9. PHONE No. OF FARM OWNER/OPERATOR	_____		
10. NAME OF ENUMERATOR	11. ENUMERATOR'S ID _____		
12. ENUMERATOR'S PHONE NUMBER	_____		
13. DATE OF INTERVIEW	_____		

14. DID THE FARM AGREE TO BE INTERVIEWED?

Yes..... 1
No 2

IF CODE 2-3 GIVE COMMENTS :

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S/N	Topic
1	Identification
2	Farm Characteristics
3	Land Access, Use and Conservartional farming
4	Annual and Permanent Crops Production
5	Agroprocessing
6	Use of By-Products
7	Input use and cost of production by Crop
8	Livestock Production and Diseases
9	Input use and cost of production by Livestock
10	Fish Farming
11	Employement in Agriculture
12	Service Provided to Outgrower Farmers
13	Access to Credit for Agricultural Purposes
14	Market Information and Agricultural Constraints

2.0	FARM CHARACTERISTICS
2.1	Using the options below, indicate the type of farm ownership
	<div style="border: 1px solid black; padding: 5px; display: inline-block; width: 80%;"> <p><u>Type of Ownership codes (Q 2.1)</u></p> <p>Government.....1 Private non registered.....4</p> <p>Parastatal.....2 Other (Specify)8</p> <p>Private registered3</p> </div> <input data-bbox="1473 236 1525 284" type="checkbox"/>
2.2	Type of Agricultural activities of the farm
	<div style="border: 1px solid black; padding: 5px; display: inline-block; width: 80%;"> <p><u>Main agricultural activities codes(Q2.2)</u></p> <p>Crops only.....1 Livestock only2 Crops and Livestock3</p> <p>Production of Flowers4 Fish Farming.....5</p> <p>Other (specify).....8</p> </div> <input data-bbox="1473 555 1525 603" type="checkbox"/>

Definition and working page for page 1

General Definitions

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

- Having or operated at least 20 ha of arable land cultivated for crop/vegetable/fruit/tree crop production during the agriculture year 2019/20

and/or

- Own or keep at least fifty head of cattle or 100 goats/sheep/pigs or 1000 chicken/ducks/turkeys/rabbits during the agricultural year 2019/20 (1 October 2019 to 30 September 2020).

and/or

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

and/or

keeps 0.5ha of fish farming production units

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

1. The greatest part of the produce should go to the market
2. The operation of the farm should be continuous
3. There should be an application of machinery
4. There should be at least one permanent employee

Question Specific Definitions:

Type of Agriculture Holdings Codes (Q 2.2):

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

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

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

- **Fish Farming:** refers to rearing/harvesting of fish. It is different from fishing in that, in fish farming, the fish have to be reared and fed. Fishing traps or captures naturally occurring in rivers and the sea should not be included.

Procedures for Questions:

Q 2.1 Type of farm ownership

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

Q 2.2 Type of agriculture holding

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

Note: If the farm had 30 hectares of crops and raised 600 chickens during 2019/20 it is classified as '**Crops only**' as the number of chickens do not qualify the holder as keeping livestock.

3.0	LAND ACCESS AND USE	
3.1	LAND ACCESS/OWNERSHIP/TENURE	
	Details of land "owned" by the OWNER in the 2019/20 agricultural year. Give area reported by	
		Area in Hectare
3.1.1	Land Leased/Certificate of ownership	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
3.1.2	Land owned under Customary Law	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
3.1.3	Land Bought from others	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
3.1.4	Land Rented from others	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
3.1.5	Land Borrowed from others	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
3.1.6	Land under Compulsory Acquisition	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
	Total Land	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
3.2	LAND USE	
	Area operated by farm under different forms of land use during 2019/20 agricultural year.	
	Give area reported by the respondent in "hectares".	Area in Hectares
3.2.1	Area under Temporary Mono-crops (eg maize only)	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
3.2.2	Area under Temporary Mixed crops (eg maize & beans)	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
3.2.3	Area under Permanent Mono-crops (eg Sisal only, clove only)	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
3.2.4	Area under Permanent Mixed crops (eg bananas & coffee)	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
3.2.5	Area under Permanent/Annual mix (eg bananas & maize)	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
3.2.6	Area under Permanent/Pasture mix (eg orange & pasture)	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
3.2.7	Area under Pasture only	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
3.2.8	Area under Fish Farming	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
3.2.9	Area under Fallow	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
3.2.10	Area under Natural Forest	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
3.2.11	Area under Planted Timber Trees	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
3.2.12	Area Rented to others	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
3.2.13	Area Unusable	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
3.2.14	Area of Uncultivated Usable land (excluding fallow)	<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"/>

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1. The greatest part of the produce should go to the market
2. The operation of the farm should be continuous
3. There should be an application of machinery
4. There should be at least one permanent employee

Section 3.2 Land Use

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

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

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

Permanent Mixed - two or more permanent crops grown together,
Permanent/Annual Mix - permanent crop and annual crop together,
Temporary Mixed - two or more temporary, annual crops grown together.

- **Pasture Land:** This is an area of owned/allocated land which is set aside for livestock grazing. It can be improved pasture where the farmer has planted grass, applied fertilizer 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

- **Conservation Agriculture:** This is a farm that incorporates land conservation to maintain its fertility, conservation of forests and water sources..

Section 3.0 - 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.

Section 3.1 - Land Ownership

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

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

Section 3.2 - Land Use

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

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

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

Section 3.1 - Land Access/Ownership

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

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

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

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

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

Area under compulsory acquisition:

3.3 CONSERVATIONAL FARMING

3.3.1 Did this household practiced Conservation Farming during 2019/20 agricultural year? (Yes=1, No=2) If No go to section 4.0

3.3.2 Did you use [.....] on practicing conservational farming?

READ TO THE RESPONDENT LIST OF METHODS FOR LAND CONSERVATION

S/N.	Methods Used	Yes =1, No =2
3.3.2.1	Contour farming (for sloped lands)	
3.3.2.2	Planting of legumes and other soil conserving plants	
3.3.2.3	Intense use of organic fertilizer over inorganic fertilizers	
3.3.2.4	Covering soil with grasses/leaves	
3.3.2.5	Fallowing	
3.3.2.6	Other (Specify)	

4.0 ANNUAL AND PERMANENT CROP PRODUCTION

4.1 ANNUAL CROP AND VEGETABLE PRODUCTION - SHORT RAINY SEASON

4.1.1 Did the farm grow **Temporary Crops** during the 2019/20 Agriculture ye (Yes=1, No=2) (if 'NO' go to section 4.2)

4.1.2 For each of the crop planted during 2019/20 agricultural year provide the following information

Crop Code	Crop Name	Area Planted (ha)	Irrigation			Area Harvested		Quantity Harvested/Stored/Sold (Tonnes)				Unit Price (TZS/KG)	Means of transport to market	Main Market	Main marketing challenge	
			Was your farm irrigated? Yes..1 No...2 -> Col. 7	Irrigated Area (Hectares)	Source of Water for Irrigation	Method of Irrigation	(IF NOT HARVESTED WRITE 00 > Column 8 Harvested from irrigation -> Col 9 Harvested from NO irrigation -> Col 10	Reason for not harvesting (GO TO NEXT CROP)	Harvested from Irrigated area	Harvested from Un-irrigated area	Stored					Sold
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
11	Maize															
12	Paddy															
13	Sorghum															
14	Bulrush Millet															
15	Finger Millet															
16	Wheat															
17	Barley															
41	Sunflower															
43	Groundnuts															
48	Castor															
31	Beans															
33	Green Grams															
37	Field peas															
23	Irish Potatoes															
24	Yams															
26	Onions															
22	Sweet Potatoes															
32	Cowpeas															
27	Ginger															
89	Carrots															
86	Cabbage															
87	Tomatoes															
90	Chillie															
50	Cotton															
51	Tobacco															
52	Pyrethrum															
98	Karlam															
97	Flowers															

Col. 5 (Source of water for Irrigation)

River.....1
 Bore water.....2
 Well.....3
 Dam.....4
 Lake.....5
 Other (Other specify).....6

Col. 6 (Methods of Irrigation)

Gravity.....1
 Mechanised Scheme/Machinery.....2
 Bucket.....3
 Hand pump.....4
 Water pump.....5
 Drip.....6
 Sprinkler.....7
 Other (Specify).....8

Reason for not harvesting (Col.8)

Crops not harvested yet.....1
 Rain/flood damage.....2
 Drought.....3
 Fire damage.....4
 Pest damage.....5
 Animal damage.....6
 Theft.....7

Means of transport to market (col.14)

Own Transport.....1
 Contract transport.....2
 Other Large scale Farmers.....3

Main Market (col.15)

Cooperative.....1
 Trade at farm.....2
 Factory.....3
 National Food Reserve Agency (NFRA).....4
 Warehouse Receipt System (WRS).....5
 Tanzania Commodity Exchange Market (TMC).....6
 Other Large Scale Farm.....7
 Exported (Specify).....8
 Other (Specify).....9

Main Marketing Challenges (col.16)

Price too low.....1
 No transport.....2
 Transport cost too high.....3
 No buyer.....4
 Farmers association problems.....5
 Cooperative problems.....6
 Government Regulatory board problems.....7
 Lack of marketing information.....8
 Regulations/Governmental Bureaucracy.....9
 Other (Specify).....98

4.2 ANNUAL CROP AND VEGETABLE PRODUCTION - LONG RAINY SEASON

4.2.1 Did the farm grow **Temporary Crops** during the 2019/20 Agricultural year? (Yes=1, No=2) (if 'NO' go to section 4.3)

4.2.2 For each of the crop planted during 2019/20 agricultural year provide the following information

Crop Code	Crop Name	Area Planted	Irrigation				Harvested		Quantity Harvested/Stored/Sold (Tonnes)				Unit Price (TZS/Kg)	Means of transport to market	Main Market	Main marketing challenges	
			Was your (CROP) irrigated? Yes..1 No..2 -> Col. 7	Irrigated Area (Hectares)	Source of Water for Irrigation	Method of Irrigation	Area Harvested (IF NOT HARVESTED WRITE 00 > Column 8 OTHERWISE > COL 9)	Reason for not harvesting (GO TO NEXT CROP)	Harvested from Irrigated area	Harvested from Un-irrigated area	Stored	Sold					
																	(1)
11	Maize																
12	Paddy																
13	Sorghum																
14	Bulrush Millet																
15	Finger Millet																
16	Wheat																
17	Barley																
41	Sunflower																
43	Groundnuts																
48	Castor																
31	Beans																
33	Green Grams																
26	Onions																
23	Irish Potatoes																
27	Ginger																
89	Carrots																
86	Cabbage																
87	Tomatoes																
90	Chillie																
50	Cotton																
51	Tobacco																
52	Pyrethrum																
98	Kartam																
97	Flowers																
37	Field peas																
22	Sweet Potatoes																
39	Green Beans																
32	Cowpeas																

Source of water for Irrigation (Col 5)

Rivers.....1
 Tap water.....2
 Well.....3
 Dams.....4
 Lake.....5
 Other (other specify).....6

Methods of Irrigation Methods of Irrigation (Col 6)

Gravity.....1
 Mechanised Scheme/Machinery.....2
 Bucket.....3
 Hand pump.....4
 Water pump.....5
 Other (specify).....6

Reasons for Not Harvesting (Col 8)

Crops not harvested yet..1
 Drought.....2
 Rain/flood damage.....3
 Fire damage.....4
 Pest/Diseases damage.....5
 Animal damage.....6
 Theft.....7

Means of transport to market (col 14)

Own Transport.....1
 Contract transport...2
 Other Large scale.....3
 Other Farmers.....3
 Other (Specify).....8

Main Market (col 15)

Cooperative.....1
 Trade at farm.....2
 Factory.....3
 National Food Reserve Agency (NFRA).....4
 Warehouse Receipt System (WRS).....5
 Tanzania Commodity Exchange Market (TMX).....6
 Other Large Scale Fam.....7
 Exported market.....8

Main Marketing Challenges (col 16)

Price too low.....1
 No transport.....2
 Transport cost too high.....3
 No buyer.....4
 Farmers association problems.....5
 Cooperative problems.....6
 Government Regulatory board problems.....7
 Lack of marketing information.....8
 Regulations/Governmental Bureaucracy.....9
 Other (Specify).....98

Definitions and working page for page 3

Crop Name	Planting	
	Area in hectares	
	Planned	Planted
(1)	(2)	(3)
Temporary/Annual crop name 1		
Temporary/Annual crop name 2		
Temporary/Annual crop name 3		

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

- A.** If the mixed crop is mixed **annual only** enter the total area of the field in the REMAINING AREA UNDER TEMPORARY CROPS. and **goto step 1** of these instructions.
- B.** If the mixed crop is **mixed Permanent and annual** use the following procedures to calculate the area occupied by permanent trees before proceeding with step 1.
- (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 **4.1 col 4**.
 4. Obtain an estimate of the planned area for each crop and enter it in column **2**
 5. If the area harvested is different to the area planted estimate the harvest area col **4**
 6. Once the quantity harvested is obtained calculate the Yield (Metric tonnes/Hectare) & compare the figure with the norms given in the crop codes box. If it is excessively different check the area and the amount harvested.

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.

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

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

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

Cash Crop Codes:

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

Crop Codes

(Cereals /tubers/roots):

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

Vegetable Codes:

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

**Crop Codes
Legumes Oil & fruit:**

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

Definitions and working page for page 4

Crop Name	Planting	
	Area in hectares	
	Planned	Planted
(1)	(2)	(3)
Temporary/Annual crop name 1		
Temporary/Annual crop name 2		
Temporary/Annual crop name 3		

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

- A.** If the mixed crop is mixed **annual only** enter the total area of the field in the REMAINING AREA UNDER TEMPORARY CROPS. and **go to step 1** of these instructions.
- B.** If the mixed crop is **mixed Permanent and annual** use the following procedures to calculate the area occupied by permanent trees before proceeding with step 1.
- (i) list each of the permanent crops in column b and enter the ground area per Hectare for each permanent crop (from instructions for page 4) in column 'd'.
 - (ii) obtain the 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 **4.2 col 4**
 4. Obtain an estimate of the planned area for each crop and enter it in column **2**
 5. If the area harvested is different to the area planted estimate the harvest area, col **4**
 6. Once the quantity harvested is obtained calculate the Yield (Metric tonnes/Hectare) & compare the figure with the norms given in the crop codes box. If it is excessively different check the area and the amount harvested.

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.

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

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

Cash Crop Codes:

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

Crop Codes (Cereals

/tubers/roots):	
Code	Crop
11	Maize
12	Paddy
13	Sorghum
14	Bulrush Millet
15	Finger Millet
16	Wheat
17	Barley
22	Sweet Potatos
23	Irish potatos
24	Yams
25	Cocoyams
26	Onions
27	Ginger

Vegetable Codes:

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

Crop Codes

Legumes Oil & fruit:

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

4.3 PERMANENT CROP AND FRUIT TREE PRODUCTION

4.3.1 Did the farm have any mature/fruit bearing **Permanent Crops** during the 2019/20 Agriculture year (Yes=1, No=2 (if 'NO' go to Question 4.4.1)

4.3.2 For each of the crop planted during 2019/20 agricultural year provide the following information

Crop Code	Crop Name	AREA PLANTED		Irrigation			Area Harvested		Harvested/Stored/Marketed										
		MONO CROP	MIXED CROP	Was this (CROP) irrigated? Yes..1 No...2 -> Col. 7(a)	Irrigated Area (Hectares)	Source of Water for Irrigation	Method of Irrigation	Area Harvested (IF NOT HARVESTED WRITE 00 > Column 7b Harvested from irrigation > COL 8a) Harvested from NO irrigation > COL 8b)	Reason for not harvesting (GO TO NEXT CROP)	Harvested from Irrigated area (Tonnes)	Harvested from Un-irrigated area (Tonnes)	Stored (Tonnes)	Sold (Tonnes)	Unit Price (TZS/KG)	Means of transport to market	Main Market	Main Marketing Challenges		
		Area (ha) of <i>mature</i> plants	Area (ha) <i>mature</i> plants																
		trees/bushes in MONO CROP	trees/bushes in MIXED CROP	(1)	(2)	(3)	(4)	(5)	(6)	(7)	7(a)	7(b)	8(a)	8(b)	(9)	(10)	(11)	(12)	(13)
44	Palm oil																		
45	Coconut																		
46	Cashewnut																		
60	Sugarcane																		
53	Sisal																		
63	Kenaf																		
54	Coffee																		
55	Tea																		
56	Cacao																		
62	Jute																		
57	Rubber																		
58	Wattle																		
59	Kapok																		
61	Cardamon																		
71	Banana																		
72	Avocado																		
73	Mangoes																		
74	Pawpaw																		
75	Pineapple																		
76	Oranges																		
77	Grapefruit																		
78	Grapes																		
79	Mandarine																		
80	Guavas																		
85	Lemon																		
21	Cassava																		
34	Pigeon pea																		
66	Clove																		

Col. 7 (Source of water for irrigation)

River.....1
 Pipe water.....2
 Well.....3
 Dams.....4
 Lake.....5
 Other (specify).....6

Col. 8 (Methods of Irrigation)

Gravily.....1
 Mechanised Scheme/Machinery.....2
 Bucket.....3
 Hand pump.....4
 Water pump.....5
 Other (specify).....6

Transport to market (col 12)

Own Transport.....1
 Contract transport.....2
 Other Large scale Farm.....3
 Other (Specify).....8

Main Market (col 13)

Cooperative.....1
 Trade at farm.....2
 Factory.....3
 National Food Reserve Agency (NFRA).....4
 Warehouse Receipt System (WRS).....5
 Tanzania Commodity Exchange Market (TMC).....6
 Other Large Scale Farm.....7
 Exporter/Trader.....8
 Other (Specify).....9

Main Marketing Challenges (col 14)

Price too low.....1
 No transport.....2
 Transport cost too high.....3
 No buyer.....4
 Farmers association problems.....5
 Cooperative problems.....6
 Government Regulatory board problems.....7
 Lack of marketing information.....8
 Regulations/Governmental Bureaucracy.....9
 Other (Specify).....98

Reason for not harvesting (Col 8)

Crops not harvested yet.....1
 Rain/flood damage.....2
 Drought.....3
 Fire damage.....4
 Pest damage.....5
 Animal damage.....6
 Theft.....7
 Other (Specify).....8

4.4 PRODUCE/PRODUCTS GRADING

4.4.1 Do you grade your produce before marketing?

Yes.... 1
 No.....2

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 area planted with trees/bushes

This includes **total area planted** with both mature harvestable plants and immature non harvestable plants.

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

Instructions for Permanent crop mono stands and mixtures

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

Permanent crops (oils):

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

Permanent (Cash crops)

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

Permanent Crops:

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

5.0 MAIN USE OF CROP RESIDUALS

5.1 Did you use residuals from any of your crops during the 2019/20 agricultural year ? (Yes=1, No=2)

If the response is 'NO' go to section 6.0

5.2 List the **main crops** with **crop residual** and provide the following details:

S/N	Crop name	Crop Code	Name of Crop Residual	Mainly used for	Quantity of crop residual produced	Unit	Kg/Unit	Total quantity of crop residual produced (Kg)	Quantity sold, "Kg" (IF NOT SOLD FILL "000" THEN SKIP TO NEXT CROP)	Price per unit (TZS)
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
5.2.1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
5.2.2	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
5.2.3	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
5.2.4	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
5.2.5	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Name of crop residual (Col 3)
 Green leaves&stem.....1 Root/tuber.....3
 Straw/dry stem.....2 Flower.....4
 Fruits5

Mainly used for (Col 4)
 Feeding to livestock1 fuel3 Composting5
 Building material2 Used for processing4 Grazing in situ6
 Other (Specify)8

Unit (Col 6)
 Loose Bundle/bunch1 Metric tonne3 litre5
 Compressed bunch/Bail.....2 Kilogram4 Hacter.....6
 Other (Specify)8

6.0 AGROPROCESSING

6.1 Did the farm process any of the products harvested on the farm during 2019/20 agricultural year? (Yes=1, No=2)

If the response is 'NO' go to section 7.0

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

S/N	Crop name	Crop Code	Quantity of Farm Produce (tonne)	Quantity of Outgrower/other farmer's produce (tonne)	Main Product code	Main Use of the main product of (CROP)	Unit of the main product of (CROP)	Quantity of main product	Where processed	Do you grade your produce before marketing? Yes=1 No=2	Where sold	First by-product				Second by-product					
												By-product code	Used for	Unit	Quantity produced (Units)	Quantity Sold (Units)	by-product code	Used For	Unit	Quantity produced (Units)	Quantity Sold (Units)
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	9(a)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
6.2.1	<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"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
6.2.2	<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"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
6.2.3	<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"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
6.2.4	<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"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
6.2.5	<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"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
6.2.6	<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"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

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

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

Unit (Col 7, 13 & 18)
 kilogram.....1
 litre.....2
 Metric tonne.....3 Other (Specify) ...8

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

Where sold (Col 10)
 Cooperative Union.....1
 Other Large scale farm.....2
 Trader at farm.....3
 Factory/Mill.....4
 Exported by farm.....5
 Did Not Sell.....6
 Other (specify).....8

By-product code (Col 11 & 16)
 Bran.....1
 Cake.....2
 Husk.....3
 Juice.....4
 Fiber.....5
 Pulp.....6
 Oil.....7
 Shell.....8
 No byproduct.....9
 Other(specify).....98

Definition and working page for page 6

Temporary/annual crop codes for section 5.2 and 6.2 col 1

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

General Definition for Section 5.0

Q 5.2 Agroprocessing:

1.From the list of crops in Q 5.2.1 to 5.2.6 ask the respondent if the farm processed any of these crops during the 2017/18 agriculture year.

List the crop names and codes in column 1 and 2 for those crops that were processed.

2.For the listed crops give details of the main and bi-product used.

4. If there is no first bi-product or second bi-product was sold enter "0" in columns 15 and 20

Agroprocessing (Q 5.2)
Main Product code (Col 5):
 Main Product after processing. Eg for Paddy it may be the polished grain. For Maize it may be flour.

Bi-Product code (Col 11): is the secondary residue after processing, eg for rice it may be the husk. for maize it may be the bran.

Mainly used for (Col 6, 12 & 17):
 - Consumed by household can mean eaten or utilised in another way (eg by animals) by the farm.

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

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

Q 6.2 Use of Bi-products

1.From the list of crops in Q 6.2.1 to 6.2.5, ask the respondent if the farm used any secondary products. List the crop names and codes in column 1 and 2 for those crops that the farm used secondary products.

2. For the listed crops, give details of the secondary products used.

3. If no units were sold, enter "0" in columns 7,8& 9.

7.0 INPUT USE AND COST OF PRODUCTION BY CROP									
S/N	CROP NAME	CROP NAME		Main Source of inputs
	CROP CODE	CROP CODE	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
	Operation/input	Was there any cost incurred related to [OPERATION/INPUT] for [CROP] during the 2019/20 agricultural year? Yes.... 1 No.....2 -> NEXT OPERATION/INPUT	Area (Hectare)	Cost/hectare (TZS)	Area (Hectare)	Cost/hectare (TZS)	Area (Hectare)	Cost/hectare (TZS)	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
7.1	Land purchase		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
7.2	Land rent		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
7.3	Soil preparation		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
7.4	Planting		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
7.5	Harvesting/threshing		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
7.6	Drying		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
7.7	Weeding		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
7.8	Transportation		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
7.9	Administration		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
7.10	Tax		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
7.11	Seed/planting material		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
7.12	Inorganic fertilizer		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
7.13	Organic fertilizer		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
7.14	Herbicides		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
7.15	Fungicides		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
7.16	Pesticides		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
7.17	Other (Specify)		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	

Section 7.0 Input use and costs by crops

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

Main Source of Inputs (Col 8)
 Imported by farm.....1 Purchased from tanzania factory.....2 Produced on farm3 Private seller/NGO.....4 Government Institution5 Other.....8

8.0 LIVESTOCK PRODUCTION AND LIVESTOCK DISEASES					
8.1 CATTLE					
8.1.1 Did the farm own, raise or manage any CATTLE during 2019/20 agricultural year? (Yes=1, No=2) <input type="checkbox"/>					
(If NO go to section 8.2)					
8.1.2 Cattle Population as of 1 st August 2020					
S/N	Cattle type <i>(1)</i>	Number of Indigenous Cattle <i>(2)</i>	Number of Improved <i>(3)</i> Beef <i>(4)</i> Dairy		Total <i>(5)</i>
8.1.2.1	Castrated Bulls	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
8.1.2.2	Un-castrated Bulls	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
8.1.2.3	Cows	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
8.1.2.4	Steers	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
8.1.2.5	Heifers	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
8.1.2.6	Male Calves	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
8.1.2.7	Female Calves	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Grand Total					<input type="text"/>
8.1.3 Cow milk production during 2019/20 agricultural year					
8.1.4 Did your farm produce Cow milk during 2019/20 agricultural year? (Yes =1 No =2) IF NO GO TO 8.1.4 <input type="checkbox"/>					
SN	Type of cattle <i>(1)</i>	Amount of milk produced during 2019/20 <i>(2)</i>	Number of Cows milked during 2019/20 <i>(3)</i>	Average price per litre during 2019/20 (TZS/Litre) <i>(4)</i>	Where sold <i>(5)</i>
8.1.3.1	Indigenous cattle	<input type="text"/>	<input type="text"/>		<input type="checkbox"/>
8.1.3.2	Improved cattle	<input type="text"/>	<input type="text"/>		<input type="checkbox"/>
8.1.4 Cattle Identification		<div style="border: 1px solid black; padding: 5px; background-color: #fff9c4;"> Methods for Cattle identification codes Branding1 Cattle clan.....2 Ear notching3 Colour.....4 Earrings.....5 Others (spadey).....6 </div>			
8.1.4.1 Which method do you use to identify your cattle? <input type="checkbox"/>					
8.2 GOAT					
8.2.1 Did the farm own, raise or manage any GOATS during the 2019/20 agricultural year? (Yes=1, No=2) (If NO go to section 8.3) <input type="checkbox"/>					
8.2.2 Goat Population as of 1st August 2020					
S/N	Goat type <i>(1)</i>	Number of Indigenous Goat <i>(2)</i>	Number of Improved goat <i>(3)</i> for meat <i>(4)</i> Dairy		Total <i>(5)</i>
8.2.2.1	Billy Goat	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
8.2.2.2	Castrated Goat	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
8.2.2.3	She Goat	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
8.2.2.4	Male Kid	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
8.2.2.5	She Kid	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Grand Total					<input type="text"/>
8.2.3 Goat Milk production during 2019/20					
8.2.3 (a) Did your farm produce Goat milk during 2019/20 agricultural year? (Yes =1 No =2) IF 'NO' GO TO 8.3					
SN	Season <i>(1)</i>	Amount of milk produced during 2019/20 (litre) <i>(2)</i>	Number of goats milked 2019/20 <i>(3)</i>	Average price per litre 2019/20 <i>(4)</i>	Where sold <i>(5)</i>
8.2.3.1	Wet Season	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>
8.2.3.2	Dry Season	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>
8.3 SHEEP					
8.3.1 Did the farm own, raise or manage any SHEEP during the 2019/20 agricultural year? (Yes =1 No =2) (If no go to section 8.4) <input type="checkbox"/>			8.4 PIG		
8.3.2 Sheep Population as of 1st August 2020			8.4.2 PIG Population as of 1st August 2020		
S/N	Sheep type <i>(1)</i>	Number of Sheep <i>(2)</i>	S/N	Pig type <i>(1)</i>	Number of Pigs <i>(2)</i>
8.3.2.1	Ram	<input type="text"/>	8.4.2.1	Boar	<input type="text"/>
8.3.2.2	Castrated Sheep	<input type="text"/>	8.4.2.2	Castrated male pig	<input type="text"/>
8.3.2.3	Ewe (Shee sheep)	<input type="text"/>	8.4.2.3	Sow	<input type="text"/>
8.3.2.4	Male lamb	<input type="text"/>	8.4.2.4	Gilt	<input type="text"/>
8.3.2.5	Shee lamb	<input type="text"/>	8.4.2.5	Male piglet	<input type="text"/>
Grand Total		<input type="text"/>	Grand Total		<input type="text"/>

- place sold (Col 5)**
- Neighbour.....1
 - Auction.....2
 - Milk collection centre3
 - Processing industry4
 - Other large scale farm5
 - Trader at Farm6
 - Did not sell7
 - Other8

Definitions and working page for page 8

Question Specific Definitions (Section 8.0)

Cattle type (Section 8.1.1 to 8.1.6 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

Goat type (Section 8.3.1 to 8.3.5 Col 1)

Ram: 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.

Section 8.1 Cattle Population.

NOTE: Section 8.1 is for the current population (as of 1st August 2020).

If the Farm has cows, you would normally expect them to have calves.

Section 8.3 Goat Population

NOTE: Section 8.3 is for the current population (as of 1st August 2020).

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

8.5 LIVESTOCK PRODUCTION AND PRODUCTS				
8.5a Sale of Live animals				
SN	Type of livestock	Number of livestock Sold	Average price per unit	Main Selling
	(1)	(2)	(3)	(4)
8.5.1	Live cattle	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>
8.5.2	Live goats	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>
8.5.3	Live Sheep	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>
8.5.4	Live pigs	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>

Main Selling Place (Col 4)

Neighbour.....1 Other Large scale farms...5
 Primary Market.....2 Trader at Farm ...6
 Secondary Market.....3 Processing Plant.....4
 Other (specify).....8

8.5b Sale of Livestock products						
SN	Type of Product	Number of livestock slaughtered (IF 'NO', GO TO NEXT PRODUCT)	Quantity Produced during 2019/20 (tonnes)	Quantity Sold during 2019/20 (tonnes)	Average price per tonne 2019/20	Main Selling Place
	(1)	(2)	(3)	(4)	(5)	(6)
8.5.5	Beef				<input type="text"/>	<input type="checkbox"/>
8.5.6	Goat meat/Sheep Meat				<input type="text"/>	<input type="checkbox"/>
8.5.7	Pig meat(Pork)				<input type="text"/>	<input type="checkbox"/>

Main Selling place (Col 6)

Neighbour.....1
 Processing Plant.....2
 Trader at Farm3
 Other Large scale farms...4
 Super market.....5
 Restaurant/Hotel.....6
 Butcher.....7
 Other (specify).....98

8.6 LIVESTOCK PESTS/PARASITES AND DISEASES CONTROL	
8.6.1	Did this farm participate in any livestock pest and parasite control? (Yes=1, No=2) If No go to section 8.7 <input type="checkbox"/>
8.6.2	Did you deworm your animals during 2019/20 agricultural (Yes=1 No= 2) <input type="checkbox"/> (If 'NO' go to question 8.6.3)
8.6.3	Did you deworm the following animals ? (Write YES =1, NO =2 OR NOT APPLICABLE =9) Cattle <input type="checkbox"/> Goats <input type="checkbox"/> Sheep <input type="checkbox"/> Pigs <input type="checkbox"/>
8.6.4	Did you encounter a tick problem? (Yes=1, No=2) (If 'NO' go to question 8.6.6) (If the response is 'NO' go to section 8.6.5) <input type="checkbox"/>
8.6.5	Which methods of tick control did you use? <input type="checkbox"/> Control method (Q 8.6.5) Spraying ..1 Dipping..2 Smearing..3 No control...4 Other...8

8.6.6	Did you encounter a tsetse fly problem? (Yes=1, No=2) <input type="checkbox"/> (If the response is 'NO' go to section 8.6.7)		
8.6.7	Which methods of control did you use? <input type="checkbox"/> Control method (Q 8.6.7) Spraying ..1 Dipping..2 Trapping ..3 No control...4 Other (Specify)...8		
8.6.8	Did your [ANIMAL] get vaccination against any of the following diseases? (Yes = 1, No = 2).		
	8.6.8.1 CATTLE	8.6.8.2 GOATS	8.6.8.3 SHEEP
	Foot and mouth disease (FMD) <input type="checkbox"/> CBPP <input type="checkbox"/> Anthrax <input type="checkbox"/> Tick borne disease <input type="checkbox"/> Lumpyskin disease <input type="checkbox"/>	FMD <input type="checkbox"/> CCPP <input type="checkbox"/> Anthrax <input type="checkbox"/>	Foot and mouth disease (FMD) <input type="checkbox"/> CCPP <input type="checkbox"/> Anthrax <input type="checkbox"/>
	8.6.8.4 PIG	8.6.8.5 POULTRY	
	Foot and mouth disease (FMD) <input type="checkbox"/> Anthrax <input type="checkbox"/>	New Castle disease <input type="checkbox"/> Gumboro <input type="checkbox"/> Fowl pox <input type="checkbox"/>	

Definitions for page 9

Sheep type (Q 8.5.1 to 8.5.5, Col 1)

Ram: Mature **Uncastrated** male sheep used for breeding

Castrated sheep: Male sheep that has been castrated.

She sheep: Mature female sheep over 9 months of age

Lamb: Young sheep under 9 months of age.

Pigs type (Section 8.6.1 to 8.6.5 Col 1)

Boar: Mature **Uncastrated** male pig used for breeding

Castrated Pig: Male pig that has been castrated.

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

Gilt: Female pig of **9 months** up to the first farrowing.

Piglet: Young pig under **3 months** of age.

Section 8.5 Sheep Population.

NOTE: Section 8.5 is for the current population (as of 1st August 2020).

If the Farm has ewes, you would normally expect them to have kids

Section 8.6 Pig Population.

NOTE: Section 8.6 is for the current population (as of 1st August 2020);

If the Farm has sows, you would normally expect them to have piglets i

8.7 OTHER LIVESTOCK						
8.7(a)	Did the farm own, raise or manage any OTHER LIVESTOCK during the 2019/20 agriculture year (Yes =1 No =2) . If No > Section 8.9 <input type="checkbox"/>					
Information on Other Livestock currently available and details of consumption and sales during the 2019/20 Agricultural year.						
		Current No.	Sold during 2019/20		Slaughtered during 2019/20	
	Animal type	as 1 st August 2020	Number	Average Price/head	Number	Average price/kg
	(1)	(2)	(3)	(4)	(5)	(6)
8.7.1	Indigenous Chicken					
8.7.2	Layers parent stocks					
8.7.3	Layer					
8.7.4	Day Old Chicks-Layers					
8.7.5	Broiler parent stocks					
8.7.6	Broiler					
8.7.7	Day Old Chicks- Broiler					
8.7.8	Ducks					
8.7.9	Turkeys					
8.7.10	Rabbits					
8.7.11	Donkeys					
8.7.12	Horses				X X X X X	X X X X X
8.7.13	Other(specify)					

8.8 CHICKEN DISEASES		Number Infected	Number Treated	Number Died	Number Recovered
8.8.1	New castle Disease				
8.8.2	Gumboro				
8.8.3	Coccidiosis				
8.8.4	Coryza				
8.8.5	Fowl Pox				
8.8.6	Fowl typhoid				

8.9 LIVESTOCK PRODUCTS					
	Product	Production during 2019/20	Sold during 2019/20		Consumed/utilised during 2019/20
	(1)	(2)	Number	Average price/unit	Number
	(1)	(2)	(3)	(4)	(5)
8.9.1	Eggs (Number of Trays)				
8.9.2	Hides (Pieces)				
8.9.3	Goat Skins (Pieces)				
8.9.4	Sheep skins (Pieces)				

8.10 OUTLET FOR SALE OF LIVESTOCK						
8.10.1	List in order of importance the outlets for the sale of Livestock					
S/N	Importance of outlet	Outlets for Cattle	Outlet for Goats	Outlet for Sheep	Outlets for chickens	Outlets for pigs
	(1)	(2)	(3)	(4)	(5)	(6)
8.10.1.1	1st					
8.10.1.2	2nd					
8.10.1.3	3rd					
8.10.1.4	4th					
8.10.1.5	5th					
Outlet code (Col 2, 3, 4, 5 & 6 Qn 8.10)						
Trader at farm1 Slaughter house/Abattoir.....4						
Primary Market2 Another farmer3						
Secondary market3 Other (Specify)3						
Not applicable9						
Source of structure (Col 3 Qn 8.12)						
Owns1 NGO6						
Cooperative2 Large scale farm.....7						
Local farmers association3 Other8						
Gov extension/veterinary4 Not applicable9						
Development project5						

8.11 LIVESTOCK STRUCTURES/ACCESSORIES				
8.11.1	Access to functional Livestock structures/accessory			
S/N	Type of structure/Accessory	Accessability Yes=1, No=2 If no, go to next structure/accessory	Source of Structure	Distance to structure from the Farm (km)
	(1)	(2)	(3)	(4)
8.11.1.1	Cattle Dip			
8.11.1.2	Spray Race			
8.11.1.3	Hand powered sprayer			
8.11.1.4	Cattle crush			
8.11.1.5	Primary Market			
8.11.1.6	Secondary Market			
8.11.1.7	Abattoir			
8.11.1.8	Slaughter house			
8.11.1.9	Slaughter Slab			
8.11.1.10	Hide/skin shed			
8.11.1.11	Input supply shop			
8.11.1.12	Veterinary Clinic			
8.11.1.13	Village holding ground			
8.11.1.14	Chacol dam			
8.11.1.15	Drencher			

Definitions for page 10

Question Specific Definitions Section 8.13)

Access to functional Livestock Structures/accessories (Section 8.13.1 to 8.13.14):

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

Drencher: Device for orally administering medicine to livestock.

Procedures for questions

Section 8.9 - 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 8.12 - 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".

9.0 INPUT USE AND COSTS BY LIVESTOCK									
LIVESTOCK TYPE									
LIVESTOCK CODE									
S/N	Operation/inputs	Was there any cost incurred related to [OPERATION/INPUT] for [LIVESTOCK] during the 2019/20 agricultural year? Yes... 1 No.....2 -> NEXT OPERATION/INPUT	Total cost per year (TZS)	Cost/(head or bird) (TZS)	Total cost per year (TZS)	Cost/(head or bird) (TZS)	Total cost per year (TZS)	Cost/(head or bird) (TZS)	Main Source of inputs
	(1)		(2)	(3)	(4)	(5)	(6)	(7)	(8)
9.1	Feeding								
9.2	Pasturing								
9.3	Veterinary cost								
9.4	Drugs								
9.5	Vaccines								
9.6	Artificial Insemination(AI)								
9.7	Slaughtering								
9.8	Livestock Purchase cost								
9.9	Processing								
9.10	Labour costs								
9.11	Transportation cost								
9.12	Tax								
9.13	Administration Cost								
9.14	Land rent								
9.15	Other (Specify)								

Main Source of Inputs (Col 8)
Imported by farm.....1 Purchased from domestic factory.....2 Produced on farm3 Private service provider.....4
Government Institution5 NGO.....6 Other (Specify).....8

Livestock Code
Cattle1 Goats.....2 Sheep.....3 Pig.....4 Poultry.....5
Other (Specify).....8

Definitions for section 9.0

Purchase cost: Cost of buying livestock for rearing

Feed: food given to domestic animals in the course of animal husbandry

Pasturing: The vegetation of tended **pasture**, forage, consists mainly of grasses, with an interspersions of legumes and other forbs (non-grass herbaceous plants).

Slaughter: the killing or butchering of cattle, sheep, etc., especially for food

Veterinary Cost(fees) cover the provision of services or items, such as drugs or pathology and services

Labour cost This includes wages-bill or payroll paid to permanent and casual labours

Processing cost Include all costs appeared during processing stage

Transportion cost: Include cost of transporting livestock from farm to market or market to farm and other related transport costs.

Tax/Admin: Include all payments related to taxation and administrations

Land rent cost: Cost related to renting land for livestock keeping

Other (Specify): This include any other cost incurred that is not mentioned in the list above.

10.0 FISH FARMING																		
10.1 Was fish farming carried out by this FARM during the agricultural year 2019/20? (Yes = 1, No = 2) (If the response is 'NO' go to section 11.0)																		
Give details on fish farming practices during the agriculture year 2019/20																		
S/N	Production unit Number	Aquaculture system	Aquaculture process	Size of unit/pond (m ²)/(m ³)	Source of water	Type of water	Source of fingerling	Frequency of stocking (No./Year)	Number of Stocked Fish				Fish Sales			Fish Feeds		
									Type of stocked Fish	Number of Stocked fish	Number of fish	Weight of fish harvested	Weight of fish sold	Average price of fish sold per Kg	Mainly sold	Source of Fish Feeds	Amount used in Kg	Average price of feeds per kg
(1)	(2)	(2b)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	
10.1.1	1																	
10.1.2	2																	
10.1.3	3																	

Aquaculture system (Col.2) Deep Water Cage.....1 Shallow water cage.....2 Natural pond.....3 Dig out Ponds.....4 Water Reservoir.....5 Tank.....6 Raceways.....7 Other Specify.....8	Aquaculture processes (Col.2b) Stocking of fingerlings.....1 Stocking of parent stock.....2 Restocking.....3	Source of water (Col.4) Rain fed.....1 Spring water.....2 Bore.....3 Dam.....4 Tap water.....5 Other.....6	Types of water (Col.5) Fresh Water.....1 Marine water.....2 Brackish Water.....3	Source of fingerlings (Col.6) Own fish hatchery.....1 Government multiplication hatchery.....2 Other.....3 Neighbour fish hatchery.....4 Private trade fish hatchery.....5	Type of Fish stocked (Col.8) Tilapia.....1 Milkfish.....2 African Catfish.....3 Piaras.....4 Other (Specify).....5	Mainly sold to (Col.14) Neighbour.....1 Local market.....2 Landing site.....3 Processing industry.....4 Large scale farm.....5 Trade at farm.....6 Did not sell.....7 Other.....8	Source of Fish Feeds (Col.15) Home made feeds.....1 Locally compounded feeds.....2 Imported manufactured feeds.....3 Other (Specify).....4
---	--	---	--	--	--	--	---

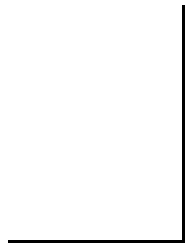
11.0	EMPLOYMENT IN AGRICULTURE					
11.1	STAFF AND LABOUR USE					
	Give details of employment on the farm during the 2019/20 agricultural year					
S/N	Staff/employee type	Number of permanent employee as 1st August 2020			Number of part time employees as 1st August 2020	
		Male	Female		Male	Female
	<i>(1)</i>	<i>(2)</i>	<i>(3)</i>	<i>(4)</i>	<i>(5)</i>	
11.1.1	General manager	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
11.1.2	Financial manager/accountant	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
11.1.3	Clerical/typist/receptionist	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
11.1.4	Mechanical/workshop/parts stores managers	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
11.1.5	Crop/livestock husbandry managers/agronomists	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
11.1.6	Irrigation engineers	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
11.1.7	Product Stores managers	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
11.1.8	Agroprocessing/Mill managers	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
11.1.9	Other Professional	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
11.1.10	Supervisor	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
11.1.11	Labourers	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

12.0	SERVICES PROVIDED TO SMALLHOLDER FARMERS					
12.1	Does the farm provide services to smallholder farmer: (YES=1, No=2) (If the response is 'NO' go to section 13.0)					
12.2	Give details of the services provided to other farmers during the 2019/20 agricultural year					
A.	Type of Service	Provides service to smallholder farmers Yes=1 No=2 > Next Service	Number of smallholder farmers	Area which got service (hectare)	Is this service paid for? (Yes= 1, No= 2)	Average cost (TZS Per hectare)
S/N	(1)	(2)	(3)	(4)	(5)	(6)
12.2.1	Cultivation /soil preparation	<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"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
12.2.2	Weeding and Herbicides	<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"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
12.2.3	Harvesting	<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"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
B.	Type of Service	Provides service to smallholder farmers Yes=1 No=2 > Next Service	Number of smallholder farmers	Crop Quantity(tonne)	Is this service paid for? (Yes= 1, No= 2)	Average cost (Shilling per metric tonne/head)
	(1)	(2)	(3)	(4)	(5)	(6)
12.3.1	Storing	<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"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
12.3.2	Crop processing	<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"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
12.3.3	Cattle fattening	<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"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
12.3.4	Crop marketing	<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"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
12.3.5	Livestock facilities	<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"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
12.3.6	Livestock products(Processing & Marketing)	<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"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
12.3.7	Livestock marketing(Live Animals)	<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"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
12.3.8	Artificial Insemination (AI)	<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"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

12.3.9	Vertinary Services	<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"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
12.3.10	Dipping services	<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"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
12.3.11	Other Extension services	<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"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

AGE
(6)





Definition and working page for page 11

EMPLOYMENT - STAFF AND LABOUR USE (Section 11.1)

In each aspect of staff (Column 1) provide the number of employees (column 2 - 5) with their sex. In column 6, provide the age of the Chief Manager and the Financial Manager/Accountant of the farm.

General Definitions for section 12.0

Services provided to outgrowers (section 12.1)

These services are normally provided at a cost.

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

Procedures for questions

Section 12.0 Services provided to other farmers.

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

13.0 ACCESS TO CREDIT FOR AGRICULTURAL PURPOSES				
USE OF CREDIT FOR AGRICULTURE PURPOSES				
13.1	Did the farm borrow money for agricultural purposes during the 2019/20 agricultural year? (Yes = 1, No = 2) <input type="checkbox"/> <i>(if the response is 'NO' go to section 14.0)</i>			
13.2	Give details of the credit obtained during the agricultural year 2019/20 <i>(if the credit was provided in kind , for example by the provision of inputs machine or equipments, then estimate the value)</i>			
		Source "a"	Source "b"	Source "c"
	use codes to indicate source	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Use of credit	Was this credit used for [USES OF CREDIT]? Write Yes =1, No =2	Was this credit used for [USES OF CREDIT]? Write Yes =1, No =2	Was this credit used for [USES OF CREDIT]? Write Yes =1, No =2
13.2.1	Labour	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13.2.2	Seeds	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13.2.3	Fertilisers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13.2.4	Agrochemicals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13.2.5	Livestock purchase	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13.2.6	Livestock Feed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13.2.7	Tools	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13.2.8	Fences	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13.2.9	Stores	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13.2.10	Irrigation structures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13.2.11	Machinery	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13.2.12	Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Value of Credit ('000 Tsh.)	<input type="text"/>	<input type="text"/>	<input type="text"/>
	Total value of repayment ('000 Tsh.)	<input type="text"/>	<input type="text"/>	<input type="text"/>
	Period of repayment (months)	<input type="text"/>	<input type="text"/>	<input type="text"/>
Source of credit (Q 13.2-a, b and c) Company owning the farm.....1 Commercial Bank.....2 Cooperatives.....5 Savings and Credit Soc.....3 Religious Organisation/NGO/Project ...4 Other (Specify).....8				
13.3	Type of collateral used to secure loan <input type="checkbox"/>			
Type of Collateral (Q 13.3) Land.....1 Real Estate.....2 Equipments/Machinery.....3 Vehicle.....4 Business inventory.....5 Other (Specify).....8				
13.4	If the answer to question 13.1 above is NO what is the reason for not applying for Credit? <input type="checkbox"/>			
Reason for not using credit (Q 13.4) Not needed.....1 Did not want to go into credit.....3 Credit granted too late.....5 Other(specify) 8 Not available2 Interest rate/cost too high..... 4 Difficult bureacratic procedure..... 6				

Definition and working page for page XXX

Section 13.0 Credit for Agriculture Purposes Livestock rearing

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

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

Section 13.1 Credit for Agriculture Purposes and Livestock rearing.

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

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

Section 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".

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

General Definitions for section 13.0

Section 13.3 Type of collateral

Collatera is an asset pledged to secure repayment/Loan.

There are different types of collateral used to secure loan. Ask the type of collateral used during the 2017/18 agricultural year.

14.0	MARKET INFORMATION AND AGRICULTURAL CONSTRAINTS																					
14.1	Did you have access to market information in agricultural year 2019/20? Yes....1 No.....2 (If No go to section 14.3) <input type="checkbox"/>																					
14.2	What was the main source of market information?																					
	<table border="1"> <tr> <td colspan="2">Qn. 14.2 (Sources of market information)</td> </tr> <tr> <td>TV.....</td> <td>1</td> </tr> <tr> <td>Radio.....</td> <td>2</td> </tr> <tr> <td>News Papers.....</td> <td>3</td> </tr> <tr> <td>Mobile Phones.....</td> <td>4</td> </tr> <tr> <td>Local Authorities.....</td> <td>5</td> </tr> <tr> <td>Farmers organization.....</td> <td>6</td> </tr> <tr> <td>Internet.....</td> <td>7</td> </tr> <tr> <td>Fellow Farmers.....</td> <td>8</td> </tr> <tr> <td>Other(specify).....</td> <td>9</td> </tr> </table> <input type="checkbox"/>		Qn. 14.2 (Sources of market information)		TV.....	1	Radio.....	2	News Papers.....	3	Mobile Phones.....	4	Local Authorities.....	5	Farmers organization.....	6	Internet.....	7	Fellow Farmers.....	8	Other(specify).....	9
Qn. 14.2 (Sources of market information)																						
TV.....	1																					
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Local Authorities.....	5																					
Farmers organization.....	6																					
Internet.....	7																					
Fellow Farmers.....	8																					
Other(specify).....	9																					
14.3	From the list of constraints provided, select the 5 most important constraints experienced during the agriculture year 2019/20																					
S/N	Order of most importance	Constraint																				
	(1)	(2)																				
14.3.1	1st most constraint	<input type="checkbox"/> <input type="checkbox"/>																				
14.3.2	2nd most constraint	<input type="checkbox"/> <input type="checkbox"/>																				
14.3.3	3rd most constraint	<input type="checkbox"/> <input type="checkbox"/>																				
14.3.4	4th most constraint	<input type="checkbox"/> <input type="checkbox"/>																				
14.3.5	5th most constraint	<input type="checkbox"/> <input type="checkbox"/>																				
		List of constraints (Col 2) Access to Land.....1 Land Ownership2 Soil Fertility.....3 Availability of Quality Seeds.....4 Irrigation Equipment.....5 Availability of Agro-chemicals.....6 Availability of Veterinary Drugs...7 Cost of Inputs.....8 Extension Services.....9 Availability of Forest Products...10 Access to Credity.....11 Harvesting.....12 Threshing/Dehulling.....13 Crop Storage.....14 Agro-processing.....15 Access to Markets and Marketing Information.....16 Transportation Cost.....17 Destruction by Wild Animals.....18 Crop Theft.....19 Livestock Theft.....20 Pests and Diseases.....21 Cess.....22 Off-farm Income.....23 Conflict Between Farmers and Livestock Keepers...24 Climate Changes (Drought, Floods, etc.).....25 Availability of inputs.....26 Availability of Industrial Agro-chemical.....27 Access to Water for Agricultural Activities.....28 Low Prices of Agricultural Produces.....29 Cost of Land Ownership30 Governmental Policies, Laws, Regulation and Guidelines..31 Availability of Quality Pasture and Animal Feeds.....32																				

Market Information:(Q 14.1) These are information about prices and other information relevant to farmers, animal rearers, traders, processors and others involved in marketing agricultural products.

Section 14.3 Agricultural constraints

7.1 List the five most important problems in order of most importance:

1. Read out the list of constraints to the respondent and ask him to select the ones that are a problem. Place a ✓ 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**

Agricultural constraints (section 14.3):

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

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

15. Interview Results

Complete Interview.....1 Respondent not available.....2 Incomplete Interview.....3
Refusal.....4 No right person to respond.....5 Other.....8

Supervisor Name: **ID** **Date**/...../.....