

USAID ERAAL ACTIVITY_IITA-NARO ANNUAL OUTCOME SURVEY-2024_v7



Enhancing Resilience and Adaptive Agricultural Livelihoods in Uganda (ERAAL Activity) - 2024

Are you willing to participate in this interview?

No. If "No" ask reason, take note and end the interview.

- Yes
- No

If No, give reason(s) for decline:

Yes (If "Yes" Continue with the interview and if "No", end the survey.)

1.0 Survey Information

This Survey Interview Takes About 25-30 Minutes

1.1 Date of interview:

yyyy-mm-dd

hh:mm

1.2 Name of enumerator

Instruction: If the question is not applicable write NA. Do not leave it blank.

2.0 Socio-Demographic Characteristics Part 1

2.1 Region

- Eastern
- Western
- Central
- Northern

2.2 District

2.3 Sub-county

2.4 Parish

2.5 Village

2.6 Producer Organization (PO) name of Farmer group or Cooperative name

Ask a beneficiary if they belong to any of the above. If not, indicate "None". Do not leave blank.

2.7 Beneficiary name

2.8 Beneficiary sex

- Male
- Female

2.9 Beneficiary age

2.10 Beneficiary marital status

- Married
- Single
- Widow
- Widower
- Divorced
- Separated
- Others (please specify !)

2.10.1 Specify other beneficiary marital status

2.11 Beneficiary level of education

Number of years attended school

2.12 Are you the head of the household ?

Yes

No

2.12.1 Phone number of respondent (household head)/ closest person in the household

Ask for a working number. It can be for any person in the house, not necessarily the respondent or household head (do not start with '0 and +256')

2.12.2 Number of years spent in formal education of the respondent (household head)

2.12.1 Name of respondent

2.12.2 Respondent's sex

Male

Female

2.12.3 Respondent's age

2.12.4 Name of household head

3.0 Land Tenure Status and Management**3.1 Total land owned**

In acres

3.2 Total land leased in

In acres

3.3 Total land leased out*In acres*

3.4 Total land under crop cultivation*In acres*

3.5 Total land used for other activities*eg. pastures, forestry, fish farming (excluding household build up areas)*

3.6 What was your on-farm income from seasons July to December 2023 ?*Seasonal income from on-farming activities*

3.7 What was your on-farm income from seasons January to May 2024 ?*Seasonal income from on-farming activities*

3.8 What was your off-farm income from seasons July to December 2023 ?*Seasonal income from off-farming activities*

3.9 What was your off-farm income from seasons January to May 2024?*Seasonal income from off-farming activities*

4.0 Crop Production Information for 2023/24**4.0.1 What major crops did you grow ?***Yield and land size of targeted agricultural commodities being promoted [Coffee, Beans, and Maize]*

- Coffee Beans
 Maize

4.1 COFFEE

Coffee Production Information - 2023/24

»

Coffee Production in Season 2023/24

These are aligned to crops [Coffee, Beans and in maize] guided by ERAAL requirements

4.1.1 Area cultivated with coffee

Acres

4.1.2 What was your coffee yield from the season of July to December 2023 ?

Convert the unit reported by the farmer to KG

4.1.3 What was your coffee yield from the season of Janaury to May 2024 ?

Convert the unit reported by the farmer to KG

»

CSA Technology Application for Coffee attributed to your participation in the project.

These are aligned to crops [Coffee, Beans and in maize] guided by ERAAL requirements

» » Improved Coffee Varieties

4.1.4 Do you have any improved coffee varieties on your farm ?

Improved coffee varieties e.g., KR lines/Cuttings, Varieties costing 1000 shillings and above, Varieties resistant to pests and diseases, Varieties below 10 years old.

Yes

No

4.1.4.1 Which improved coffee varieties do you grow on your farm ?

4.1.4.2 Who makes decisions in your hh in the planting of improved coffee varieties ?*Improved coffee varieties*

- Husband
- Wife
- Both husband and wife
- Son/Daughter

4.1.4.3 What area of land do you have under improved coffee varieties ?*In acres*

» » Pest and Disease Management**4.1.5 Do you have pest traps / BCTB traps in your coffee garden ?**

- Yes
- No

4.1.5.1 Who makes decisions in your hh for pest traps in coffee ?

- Husband
- Wife
- Both husband and wife
- Son/Daughter

4.1.5.2 How many pest traps do you have in your coffee ?

4.1.5.3 What area of land do you have pest traps for coffee ?

4.1.6 Did you apply phyto-sanitary measures (plucking and burning infected palnt/parts) for coffee ?

- Yes
- No

4.1.6.1 Who made decisions in your hh for phyto-sanitary measure (plucking and burning infected plant/parts) for coffee ?

- Husband
- Wife
- Both husband and wife
- Son/Daughter

4.1.6.2 What area of land did you implement phyto-sanitary measures (plucking and burning infected plant/parts) for coffee ?

4.1.7 Did you apply pesticides or fungicides in coffee ?

- Yes
- No

4.1.7.1 What pesticides or fungicides did you apply in your coffee ?

4.1.7.2 Who made decisions in your hh for pesticide or fungicide application in coffee ?

- Husband
- Wife
- Both husband and wife
- Son/Daughter

4.1.7.3 What area of land did you apply pesticides or fungicides for pest control for coffee ?

4.1.8 Did you apply other pest and disease management practices in your coffee ?

- Yes
- No

4.1.8.1 Specify other pest and disease management practices in your coffee

4.1.8.2 Who made decisions in your hh for other pest and disease management practices in coffee ?

- Husband
- Wife
- Both husband and wife
- Son/Daughter

4.1.8.3 What area of land did you apply for other pest and disease management practices in coffee ?

» » Weed Management

4.1.9 Did you apply mechanical weeding in coffee ?

Mechanical weeding involves weeding with any tool e.g., hoe, slasher, tractor e.t.c

- Yes
- No

4.1.9.1 Who made decisions in your hh for mechanical weeding for coffee ?

- Husband
- Wife
- Both husband and wife
- Son/Daughter

4.1.9.2 What area of land did you implement mechanical weeding for coffee ?

4.1.10 Did you apply chemical weed control (herbicide application) in coffee ?

- Yes
- No

4.1.10.1 Who made decisions in your hh for chemical weed control (herbicide application) for coffee ?

- Husband
- Wife
- Both husband and wife
- Son/Daughter

4.1.10.2 What area of land did you apply chemical weed control (herbicide application) for coffee ?

in acres

» » Soil Fertility Management

4.1.11 Did you apply organic fertilizers (manure) in your coffee ?

- Yes
- No

4.1.11.1 Who made decisions in your hh for manure application in coffee ?

- Husband
- Wife
- Both husband and wife
- Son/Daughter

4.1.11.2 What area of land did you apply manure in coffee ?

4.1.12 Did you apply inorganic fertilizers in coffee ?

- Yes
- No

4.1.12.1 Who made decisions in your hh for inorganic fertilizers application in coffee ?

- Husband
- Wife
- Both husband and wife
- Son/Daughter

4.1.12.2 What area of land did you apply inorganic fertilizers in coffee ?

4.1.13 Did you apply other soil fertility management practices ?

- Yes
- No

4.1.13.1 Specify other soil fertility management used in coffee

4.1.13.2 Who made decisions in your hh for other soil fertility management in coffee ?

- Husband
- Wife
- Both husband and wife
- Son/Daughter

4.1.13.3 What area of land did you apply for other soil fertility management in coffee ?

» » Cultural Practices in Coffee**4.1.14 Did you prune and/ or de-sucker your coffee ?**

- Yes
- No

4.1.14.1 Who made decisions in your hh for pruning and/ or de-suckering in coffee ?

- Husband
- Wife
- Both husband and wife
- Son/Daughter

4.1.14.2 What area of land did you apply pruning and/ or de-suckering for coffee ?

In acres

4.1.15 Did you plant cover crops in coffee ?

- Yes
- No

4.1.15.1 Who made decisions in your hh for cover crops in coffee ?

- Husband
- Wife
- Both husband and wife
- Son/Daughter

4.1.15.2 What area of land did you have under cover crops in coffee ?

In acres

4.1.16 Did you practice gap filling to maintain the recommended coffee densities ?

- Yes
- No

4.1.16.1 Who made decisions in your hh for gap filling to maintain the recommended coffee densities ?

- Husband
- Wife
- Both husband and wife
- Son/Daughter

4.1.16.2 What area of land did you implement gap filling to maintain the recommended densities for coffee ?

4.1.17 Did you plant intercrops with coffee ?

Yes

No

4.1.17.1 Who made decisions in your hh for intercrops with coffee ?

Husband

Wife

Both husband and wife

Son/Daughter

4.1.17.2 What area of land did you plant intercrops with coffee ?

In acres

4.1.18 Did you stump your coffee ?

Yes

No

4.1.18.1 Who made decisions in your hh on stumping coffee ?

Husband

Wife

Both husband and wife

Son/Daughter

4.1.18.1 What area of land did you stump coffee ?

In acres

4.1.19 Did you apply other cultural practices in coffee ?

Yes

No

4.1.19.1 Specify other cultural practices you applied in coffee

4.1.19.2 Who made decisions in your hh for other cultural practices in coffee ?

- Husband
- Wife
- Both husband and wife
- Son/Daughter

4.1.19.3 What area of land did you apply for other cultural practices in coffee ?

In acres

» » Irrigation in Coffee**4.1.20 Did you apply bottle irrigation in coffee ?**

Some farmers know this type of irrigation as "Museveni irrigation"

- Yes
- No

4.1.20.1 Who made decisions in your hh for bottle irrigation in coffee ?

- Husband
- Wife
- Both husband and wife
- Son/Daughter

4.1.20.2 What area of land did you apply bottle irrigation in coffee ?

In acres

4.1.21 Did you apply drip irrigation in coffee ?

- Yes
- No

4.1.21.1 Who made decisions in your hh for drip irrigation in coffee ?

- Husband
- Wife
- Both husband and wife
- Son/Daughter

4.1.21.2 What area of land did you apply drip irrigation in coffee ?*In acres*

4.1.22 Did you apply sprinkler irrigation in coffee ? Yes No**4.1.22.1 Who made decisions in your hh for sprinkler irrigation in coffee ?** Husband Wife Both husband and wife Son/Daughter**4.1.22.2 What area of land did you apply sprinkler irrigation in coffee ?***In acres*

» » Soil and Water Conservation Management**4.1.23 Did you apply mulching in coffee ?** Yes No**4.1.23.1 Who made decisions in your hh for mulching in coffee ?** Husband Wife Both husband and wife Son/Daughter**4.1.23.2 What area of land did you implement mulching in coffee ?***In acres*

4.1.24 Do you have trenches in coffee ? Yes No

4.1.24.1 Who made decisions in your hh for trenches in coffee ?

- Husband
- Wife
- Both husband and wife
- Son/Daughter

4.1.24.2 What area of land did you have trenches in coffee ?

In acres

4.1.25 Did you have grass bunds in coffee ?

- Yes
- No

4.1.25.1 Who made decisions in your hh for grass bunds in coffee ?

- Husband
- Wife
- Both husband and wife
- Son/Daughter

4.1.25.2 What area of land did you implement grass bunds in coffee ?

In acres

4.1.26 Did you have water harvesting tank(s) for crop irrigation ?

Ask a farmer their source of water for crop irrigation and then probe if they have any water harvesting tank(s)

- Yes
- No

4.1.26.1 Who made decisions in your hh for water harvesting tank(s) for crop irrigation ?

- Husband
- Wife
- Both husband and wife
- Son/Daughter

4.1.26.1 What area of land do you apply crop irrigation using water harvesting tank(s) in your coffee ?

4.1.27 Did you have underground water catchment structures ?

- Yes
- No

4.1.27.1 Who made decisions in your hh for underground water catchment structures ?

- Husband
- Wife
- Both husband and wife
- Son/Daughter

4.1.27.2 What is the area of coverage did you have for underground water catchment structures ?

» » Natural Resource Management

4.1.28 Did you plant shade trees in coffee garden ?

- Yes
- No

4.1.28.1 What type of shade trees are present in your coffee garden ?

4.1.28.2 Who makes decisions in your hh for shade trees in your coffee garden ?

- Husband
- Wife
- Both husband and wife
- Son/Daughter

4.1.28.3 What is the number of shade trees do you have in your coffee garden ?

4.2 BEANS

Bean Production Information - 2023/24

»

Bean Production in Season 2023/24

These are aligned to crops [Coffee, Beans and in maize] guided by ERAAL requirements

4.2.1 What area of land that was cultivated with beans from the season of July to December 2023 ?

In acres

4.2.2 What area of land that was cultivated with beans from the season of January to May 2024 ?

In acres

4.2.3 What was your bean yield from the season of July to December 2023 ?

Convert the unit reported by the farmer to kg

4.2.4 What was your bean yield from the season of January to May 2024 ?

Convert the unit reported by the farmer to kg

»

CSA Technology Application for Beans attributed to your participation in the project.

Technology application for beans

These are aligned to crops [Coffee, Beans and in maize] guided by ERAAL requirements

» » Improved Beans Varieties

4.2.5 Did you plant improved bean varieties on your farm in the season of July to December 2023 ?

Improved beans varieties

Yes

No

4.2.5.1 Which improved bean varieties did you grow on your farm in the season of July to December 2023 ?

Improved beans varieties e.g., Masavu, Kanyebwa, Yellow, Black beans, Nambale omumpi/ Omuwanvu e.t.c.

4.2.5.2 Who made decisions in your hh for planting of improved bean varieties in the season of July to December 2023 ?*Improved beans varieties*

- Husband
- Wife
- Both husband and wife
- Son/Daughter

4.2.5.3 What area of land did you have under improved bean varieties planted in the season of July to December 2023 ?*In acres*

4.2.6 Did you plant improved bean varieties on your farm in the season of January to May 2024 ?*Improved beans varieties*

- Yes
- No

4.2.6.1 Which improved bean varieties did you grow on your farm in the season of January to May 2024 ?*Improved beans varieties e.g., Masavu, Kanyebwa, Yellow, Black beans, Nambale omumpi/ Omuwanvu e.t.c.*

4.2.6.2 Who made decisions in your hh for planting of improved bean varieties in the season of January to May 2024 ?*Improved beans varieties*

- Husband
- Wife
- Both husband and wife
- Son/Daughter

4.2.6.3 What area of land did you have under improved bean varieties planted in the season of January to May 2024 ?*In acres*

» » Pest and Disease Management**4.2.7 Did you apply pesticides or fungicides in beans in the season of July to December 2023 ?**

- Yes
- No

4.2.7.1 Which pesticides or fungicides did you apply in beans in the season of July to December 2023 ?

4.2.7.2 Who made decisions in your hh for pesticide or fungicide application in beans in the season of July to December 2023 ?

- Husband
- Wife
- Both husband and wife
- Son/Daughter

4.2.7.3 What area of land did you apply pesticides or fungicides in beans in the season of July to December 2023 ?

In arces

4.2.8 Did you apply pesticides or fungicides in beans in the season of January to May 2024 ?

- Yes
- No

4.2.8.1 Which pesticides or fungicides did you apply in beans in the season of January to May 2024 ?

4.2.8.2 Who made decisions in your hh for pesticide or fungicide application in beans in the season of January to May 2024 ?

- Husband
- Wife
- Both husband and wife
- Son/Daughter

4.2.8.3 What area of land did you apply pesticides or fungicides in beans in the season of January to May 2024 ?

In acres

» » Weed Management**4.2.9 Did you apply mechanical weeding in beans of in the season of July to December 2023 ?**

Mechanical weeding involves weeding with any tool e.g., hoe, slasher, tractor, e.t.c.

- Yes
- No

4.2.9.1 Who made decisions in your hh for mechanical weeding in beans in the season of July to December 2023 ?*in the season*

- Husband
- Wife
- Both husband and wife
- Son/Daughter

4.2.9.2 What area of land did you apply mechanical weeding in beans in the season of July to December 2023 ?*In acres***4.2.10 Did you apply mechanical weeding in beans in the season of January to May of 2024 ?***Mechanical weeding involves weeding with any tool e.g., hoe, slasher, tractor, e.t.c.*

- Yes
- No

4.2.10.1 Who made decisions in your hh for mechanical weeding in beans in the season of January to May of 2024 ?

- Husband
- Wife
- Both husband and wife
- Son/Daughter

4.2.10.2 What area of land did you implement mechanical weeding in beans in the season of January to May of 2024 ?*In acres***4.2.11 Did you apply herbicides in beans in the season of July to December 2023 ?**

- Yes
- No

4.2.11.1 Who made decisions in your hh for herbicides application in beans in the season of July to December 2023 ?

- Husband
- Wife
- Both husband and wife
- Son/Daughter

4.2.11.2 What area of land did you apply herbicides in beans in the season of July to December 2023 ?*In acres*

4.2.12 Did you apply herbicides in beans in the season of January to May 2024 ?

- Yes
- No

4.2.12.1 Who made decisions in your hh for herbicides application in beans in the season of January to May 2024 ?

- Husband
- Wife
- Both husband and wife
- Son/Daughter

4.2.12.2 What area of land did you apply herbicides in beans in the season of January to May 2024 ?

In acres

» » Soil Fertility Management**4.2.13 Did you apply organic fertilizers (manure) in beans in the season of July to December 2023 ?**

- Yes
- No

4.2.13.1 Who made decisions in your hh for fertilizers (manure) application for beans in the season of July to December 2023 ?

- Husband
- Wife
- Both husband and wife
- Son/Daughter

4.2.13.2 What area of land Did you apply manure in beans in the season of July to December 2023 ?

In acres

4.2.14 Did you apply fertilizers (manure) in beans in the season of January to May 2024 ?

- Yes
- No

4.2.14.1 Who made decisions in your hh for fertilizers (manure) application for beans in the season of January to May 2024 ?

- Husband
- Wife
- Both husband and wife
- Son/Daughter

4.2.14.2 What area of land did you apply manure in beans in the season of January to May 2024 ?

In acres

4.2.15 Did you apply inorganic fertilizers in beans in the season of July to December 2023 ?

- Yes
- No

4.2.15.1 Who made decisions in your hh for inorganic fertilizers application in beans in the season of July to December 2023 ?

- Husband
- Wife
- Both husband and wife
- Son/Daughter

4.2.15.2 What area of land did you apply inorganic fertilizers in beans in the season of July to December 2023 ?

In acres

4.2.16 Did you apply inorganic fertilizers in beans in the season of January to May 2024 ?

- Yes
- No

4.2.16.1 Who made decisions in your hh for inorganic fertilizers application in beans in the season of January to May 2024 ?

- Husband
- Wife
- Both husband and wife
- Son/Daughter

4.2.16.2 What area of land did you apply inorganic fertilizers in beans in the season of January to May 2024 ?*In acres*

4.2.17 Did you apply other soil fertility management practices in beans in the season of July to December 2023 ?

- Yes
- No

4.2.17.1 Specify other soil fertility management practices that were applied in beans in the season of July to December 2023

4.2.17.2 Who made decisions in your hh for application of other soil fertility management practices in beans in the season of July to December 2023 ?

- Husband
- Wife
- Both husband and wife
- Son/Daughter

4.2.17.3 What area of land did you apply for other soil fertility management practices in beans in the season of July to December 2023 ?*In acres*

4.2.18 Did you apply other soil fertility management practices in beans in the season of January to May 2024 ?

- Yes
- No

4.2.18.1 Specify other soil fertility management practices that were applied in beans in the season of January to May 2024 ?

4.2.18.2 Who made decisions in your hh for application of other soil fertility management practices in beans in the season of January to May 2024 ?

- Husband
- Wife
- Both husband and wife
- Son/Daughter

4.2.18.3 What area of land did you apply for other soil fertility management practices in beans in the season of January to May 2024 ?

» » Cultural Practices in Beans

4.2.19 Did you practice line planting to maintain the recommended beans densities in the season of July to December 2023 ?

- Yes
- No

4.2.19.1 Who made decisions in your hh for line planting to maintain the recommended beans densities in the season of July to December 2023 ?

- Husband
- Wife
- Both husband and wife
- Son/Daughter

4.2.19.2 What area of land did you implement line planting to maintain the recommended beans densities for beans in the season of July to December 2023 ?

In acres

4.2.20 Did you practice line planting to maintain the recommended beans densities in the season of January to July 2024 ?

- Yes
- No

4.2.20.1 Who made decisions in your hh for line planting to maintain the recommended beans densities in the season of January to July 2024 ?

- Husband
- Wife
- Both husband and wife
- Son/Daughter

4.2.20.2 What area of land did you implement line planting to maintain the recommended beans densities for beans in the season of January to July 2024 ?

4.2.21 Did you apply other cultural practices in the season of July to December 2023 ?

- Yes
- No

4.2.21.1 Specify other cultural practices that you applied in beans in the season of July to December 2023

4.2.21.2 Who made decisions in your hh for other cultural practices you applied in beans in the season of July to December 2023 ?

- Husband
- Wife
- Both husband and wife
- Son/Daughter

4.2.21.3 What area of land did you apply other cultural practices in beans in the season of July to December 2023 ?

In acres

4.2.22 Did you apply other cultural practices in beans in the season of January to May 2024 ?

- Yes
- No

4.2.22.1 Specify other cultural practices that you applied in beans in the season of January to May 2024

4.2.22.2 Who made decisions in your hh for other cultural practices you applied in beans in the season of January to May 2024 ?

- Husband
- Wife
- Both husband and wife
- Son/Daughter

4.2.22.3 What area of land did you apply other cultural practices in beans in the season of January to May 2024 ?

In acres

» » Soil and Water Conservation Management (SWC)

4.2.23 Did you have trenches in beans in the season of July to December 2023 ?

- Yes
 No

4.2.23.1 Who made decisions in your hh for trenches in beans in the season of July to December 2023 ?

- Husband
 Wife
 Both husband and wife
 Son/Daughter

4.2.23.2 What area of land did you put trenches in beans in the season of July to December 2023 ?

In acres

4.2.24 Did you have trenches in beans in the season of January to May 2024 ?

- Yes
 No

4.2.24.1 Who made decisions in your hh for trenches in beans in the season of January to May 2024 ?

- Husband
 Wife
 Both husband and wife
 Son/Daughter

4.2.24.2 What area of land did you put trenches in beans in the season of January to May 2024 ?

In acres

» » Post Harvest Management Practices in Beans

4.2.25 What specific post-harvest management practices did you use for beans in the season of July to December 2023 ?

- Sorting
 Grading
 Storage facility e.g cribs, airtight bags etc
 Drying
 Others (Please specify !)

4.2.25.1 What did you use for sorting beans in July to December 2023 ?

4.2.25.1.1 Who made decisions for sorting of beans in July to December 2023 ?

- Husband
- Wife
- Both husband and wife
- Son/ Daughter

4.2.25.2 What did you use for grading beans in July to December 2023 ?

4.2.25.2.1 Who made decisions for grading beans in July to December 2023 ?

- Husband
- Wife
- Both husband and wife
- Son/ Daughter

4.2.25.3 What did you use for storage of beans in July to December 2023 ?

4.2.25.3.1 Who made decisions for the storage of beans in July to December 2023 ?

- Husband
- Wife
- Both husband and wife
- Son/ Daughter

4.2.25.4 What did you use for drying beans in July to December 2023 ?

4.2.25.4.1 Who made decisions for drying of beans in July to December 2023 ?

- Husband
- Wife
- Both husband and wife
- Son/ Daughter

4.2.25.5 Others, Specify other post-harvest handling practices you used for beans in the season of July to December 2023.

4.2.25.5.1 Who made decisions for other post-harvest handling practices in July to December 2023 ?

- Husband
- Wife
- Both husband and wife
- Son/ Daughter

4.2.26 What specific post-harvest management practices did you use for beans in the season of January to May 2024 ?

- Sorting
- Grading
- Storage facility e.g cribs, airtight bags etc
- Drying
- Others (Please specify !)

4.2.26.1 What did you use for sorting beans in the season of January to May 2024 ?

4.2.26.1.1 Who made decisions for sorting for beans in the season of January to May 2024 ?

- Husband
- Wife
- Both husband and wife
- Son/Daughter

4.2.26.2 What did you use for grading beans in the season of January to May 2024 ?

4.2.26.2.1 Who made decisions for grading of beans in the season of January to May 2024 ?

- Husband
- Wife
- Both husband and wife
- Son/Daughter

4.2.26.3 What did you use for storage of beans in the season of January to May 2024 ?

4.2.26.3.1 Who made decisions for storage facility for beans in the season of January to May 2024 ?

- Husband
- Wife
- Both husband and wife
- Son/Daughter

4.2.26.4 What did you use for drying of beans in the season of January to May 2024 ?

4.2.26.4.1 Who made decisions for drying of beans in the season of January to May 2024 ?

- Husband
- Wife
- Both husband and wife
- Son/Daughter

4.2.26.5 Others, Specify other post-harvest handling practices you used for beans in the season of January to May 2024.

4.2.26.5.1 Who made decisions for other PH management practices for beans in the season of January to May 2024 ?

- Husband
- Wife
- Both husband and wife
- Son/Daughter

4.3 MAIZE

Maize Production Information - 2023/24

»

Maize Production in Season 2023/24

These are aligned to crops [Coffee, Beans and in maize] guided by ERAAL requirements

4.3.1 What area of land that was cultivated with maize from the season of July to December 2023 ?

In acres

4.3.2 What area of land that was cultivated with maize from the season of January to May 2024 ?

In acres

4.3.3 What was your maize yield from the season of July to December 2023 ?

Convert the unit reported by the farmer to KG

4.3.4 What was your maize yield from the season of January to May 2024 ?

Convert the unit reported by the farmer to KG

»

CSA Technology Application for Maize attributed to your participation in the project.

Technology application for in maize

These are aligned to crops [coffee, beans and maize] guided by ERAAL requirements

» » Improved Maize Varieties**4.3.5 Did you plant improved maize varieties on your farm from the season of July to December 2023 ?**

Improved maize varieties

Yes

No

4.3.5.1 Which improved maize varieties did you grow on your farm from the season of July to December 2023 ?

4.3.5.2 Who made decisions in your hh for the planting of improved maize varieties from the season of July to December 2023 ?

Husband

Wife

Both husband and wife

Son/Daughter

4.3.5.3 What area of land did you have under improved maize varieties planted from the season of July to December 2023 ?

In acres

4.3.6 Did you plant improved maize varieties on your farm from the season of January to May 2024 ?

Improved maize varieties

Yes

No

4.3.6.1 Which improved maize varieties did you grow on your farm from the season of January to May 2024 ?

4.3.6.2 Who made decisions in your hh for the planting of improved maize varieties from the season of January to May 2024 ?

Improved in maize varieties

- Husband
- Wife
- Both husband and wife
- Son/Daughter

4.3.6.3 What area of land did you have under improved maize varieties planted from the season of January to May 2024 ?

In acres

» » Pest and Disease Management**4.3.7 Did you apply pesticides or fungicide in maize from the season of July to December 2023 ?**

- Yes
- No

4.3.7.1 Which pesticides or fungicides did you apply in maize in the season of July to December 2023 ?

4.3.7.2 Who made decisions in your hh for pesticides or fungicides application in maize from the season of July to December 2023 ?

- Husband
- Wife
- Both husband and wife
- Son/Daughter

4.3.7.3 What area of land did you apply pesticides or fungicides in maize from the season of July to December 2023 ?

In acres

4.3.8 Did you apply pesticides or fungicides in maize from the season of January to May 2024 ?

- Yes
- No

4.3.8.1 Which pesticides or fungicides did you apply in maize from the season of January to May 2024 ?

4.3.8.2 Who made decisions in your hh for pesticides or fungicides application in maize from the season of January to May 2024 ?

- Husband
- Wife
- Both husband and wife
- Son/Daughter

4.3.8.3 What area of land did you apply pesticides or fungicides in maize from the season of January to May 2024 ?

In acres

» » Weed Management**4.3.9 Did you apply mechanical weeding in maize from the season of July to December 2023 ?**

Mechanical weeding involves weeding using a tool e.g., hoe, slasher, tractor e.t.c.

- Yes
- No

4.3.9.1 Who made decisions in your hh for mechanical weeding for in maize from the season of July to December 2023 ?

- Husband
- Wife
- Both husband and wife
- Son/Daughter

4.3.9.2 What area of land did you implement mechanical weeding for in maize from the season of July to December 2023 ?

In acres

4.3.10 Did you apply mechanical weeding in maize from the season of January to May 2024 ?

Mechanical weeding involves weeding using a tool e.g., hoe, slasher, tractor e.t.c.

- Yes
- No

4.3.10.1 Who made decisions in your hh for mechanical weeding in maize from the season of January to May 2024 ?

- Husband
- Wife
- Both husband and wife
- Son/Daughter

4.3.10.2 What area of land did you implement mechanical weeding for in maize from the season of January to May 2024 ?

In acres

4.3.11 Did you apply herbicides in maize from the season of July to December 2023 ?

- Yes
 No

4.3.11.1 Who made decisions in your hh for herbicides application in maize from the season of July to December 2023 ?

- Husband
 Wife
 Both husband and wife
 Son/Daughter

4.3.11.2 What area of land did you apply herbicides in maize from the season of July to December 2023 ?

In acres

4.3.12 Did you apply herbicides in maize from the season of January to May 2024 ?

- Yes
 No

4.3.12.1 Who made decisions in your hh for herbicides application in maize from the season of January to May 2024 ?

- Husband
 Wife
 Both husband and wife
 Son/Daughter

4.3.12.2 What area of land did you apply herbicides in maize from the season of January to May 2024 ?

In acres

» » Soil Fertility Management

4.3.13 Did you apply organic fertilizers (manure) in maize from the season of July to December 2023 ?

- Yes
 No

4.3.13.1 Who made decisions in your hh for organic fertilizers (manure) application for in maize from the season of July to December 2023 ?

- Husband
- Wife
- Both husband and wife
- Son/Daughter

4.3.13.2 What area of land did you apply organic fertilizers (manure) in maize from the season of July to December 2023 ?

In acres

4.3.14 Did you apply organic fertilizers (manure) in maize from the season of January to May 2024 ?

- Yes
- No

4.3.14.1 Who made decisions in your hh for organic fertilizers (manure) application for in maize from the season of January to May 2024 ?

- Husband
- Wife
- Both husband and wife
- Son/Daughter

4.3.14.2 What area of land Did you apply organic fertilizers (manure) in maize from the season of January to May 2024 ?

In acres

4.3.15 Did you apply inorganic fertilizers in maize from the season of July to December 2023 ?

- Yes
- No

4.3.15.1 Who made decisions in your hh for inorganic fertilizers application in maize from the season of July to December 2023 ?

- Husband
- Wife
- Both husband and wife
- Son/Daughter

4.3.15.2 What area of land did you apply inorganic fertilizers in maize from the season of July to December 2023 ?*In acres*

4.3.16 Did you apply other soil fertility management in maize from the season of July to December 2023 ? Yes No**4.3.16.1 Specify other soil fertility management applied in maize from the season of July to December 2023**

4.3.16.2 Who made decisions in your hh for other soil fertility management application in maize from the season of July to December 2023 ? Husband Wife Both husband and wife Son/Daughter**4.3.16.3 What area of land did you apply other soil fertility management in maize from the season of July to December 2023 ?***In acres*

4.3.17 Did you apply inorganic fertilizers in maize from the season of January to May 2024 ? Yes No**4.3.17.1 Who made decisions in your hh for inorganic fertilizers application in maize from the season of January to May 2024 ?** Husband Wife Both husband and wife Son/Daughter**4.3.17.2 What area of land did you apply inorganic fertilizers in maize from the season of January to May 2024 ?***In acres*

4.3.18 Did you apply other soil fertility management in maize from the season of January to May 2024 ?

- Yes
- No

4.3.18.1 Specify other soil fertility management applied in maize from the season of January to May 2024

4.3.18.2 Who made decisions in your hh for other soil fertility management application in maize from the season of January to May 2024 ?

- Husband
- Wife
- Both husband and wife
- Son/Daughter

4.3.18.3 What area of land did you apply other soil fertility management in maize from the season of January to May 2024 ?

» » Cultural Practices in Maize

4.3.19 Did you plant cover crops in maize from the season of July to December 2023 ?

- Yes
- No

4.3.19.1 Who made decisions in your hh for cover crops in maize from the season of July to December 2023 ?

- Husband
- Wife
- Both husband and wife
- Son/Daughter

4.3.19.2 What area of land did you have under cover crops in maize from the season of July to December 2023 ?

In acres

4.3.20 Did you plant cover crops in maize from the season of January to May 2024 ?

- Yes
- No

4.3.20.1 Who made decisions in your hh for cover crops in maize from the season of January to May 2024 ?

- Husband
- Wife
- Both husband and wife
- Son/Daughter

4.3.20.2 What area of land did you have under cover crops in maize from the season of January to May 2024 ?

In acres

4.3.21 Did you practice line planting to maintain the recommended densities in maize from the season of July to December 2023 ?

- Yes
- No

4.3.21.1 Who made decisions in your hh for line planting to maintain the recommended densities in maize from the season of July to December 2023 ?

- Husband
- Wife
- Both husband and wife
- Son/Daughter

4.3.21.2 What area of land did you implement line planting to maintain the recommended densities in maize from the season of July to December 2023 ?

In acres

4.3.22 Did you practice line planting to maintain the recommended densities in maize from the season of January to May 2024 ?

- Yes
- No

4.3.22.1 Who made decisions in your hh for line planting to maintain the recommended densities in maize from the season of January to May 2024 ?

- Husband
- Wife
- Both husband and wife
- Son/Daughter

4.3.22.2 What area of land did you implement line planting to maintain the recommended densities in maize from the season of January to May 2024 ?

In acres

» » Irrigation in Maize

4.3.23 Did you apply drip irrigation in maize from the season of July to December 2023 ?

- Yes
- No

4.3.23.1 Who made decisions in your hh for drip irrigation in maize from the season of July to December 2023 ?

- Husband
- Wife
- Both husband and wife
- Son/Daughter

4.3.23.2 What area of land did you implement drip irrigation in maize from the season of July to December 2023 ?

In acres

4.3.24 Did you apply drip irrigation in maize from the season of January to May 2024 ?

- Yes
- No

4.3.24.1 Who made decisions in your hh for drip irrigation in maize from the season of January to May 2024 ?

- Husband
- Wife
- Both husband and wife
- Son/Daughter

4.3.24.2 What area of land did you implement drip irrigation in maize from the season of January to May 2024 ?

In acres

4.3.25 Did you apply sprinkler irrigation in maize from the season of July to December 2023 ?

- Yes
- No

4.3.25.1 Who made decisions in your hh for sprinkler irrigation in maize from the season of July to December 2023 ?

- Husband
- Wife
- Both husband and wife
- Son/Daughter

4.3.25.2 What area of land did you implement sprinkler irrigation in maize from the season of July to December 2023 ?

4.3.26 Did you use other cultural management practices in maize from the season of July to December 2023 ?

- Yes
- No

4.3.26.1 Specify other cultural management applied in maize from the season of July to December 2023

4.3.26.2 Who made decisions in your hh for other cultural management in maize from the season of July to December 2023 ??

- Husband
- Wife
- Both husband and wife
- Son/Daughter

4.3.26.3 What area of land did you implement other cultural management in maize from the season of July to December 2023 ?

4.3.27 Did you apply sprinkler irrigation in maize from the season of January to May 2024 ?

- Yes
- No

4.3.27.1 Who made decisions in your hh for sprinkler irrigation in maize from the season of January to May 2024 ?

- Husband
- Wife
- Both husband and wife
- Son/Daughter

4.3.27.2 What area of land did you implement sprinkler irrigation in maize from the season of January to May 2024 ?

In acres

4.3.28 Did you use other cultural management practices in maize from the season of January to May 2024 ?

Yes

No

4.3.28.1 Specify other cultural management applied in maize from the season of January to May 2024

4.3.28.2 Who made decisions in your hh for other cultural management in maize from the season of January to May 2024 ?

Husband

Wife

Both husband and wife

Son/Daughter

4.3.28.3 What area of land did you implement other cultural management in maize from the season of January to May 2024 ?

» » Soil and Water Conservation Management (SWC)

4.3.29 Did you have trenches in maize from the season of July to December 2023 ?

Yes

No

4.3.29.1 Who made decisions in your hh for trenches in maize from the season of July to December 2023 ?

Husband

Wife

Both husband and wife

Son/Daughter

4.3.29.2 What area of land did you implement trenches in maize from the season of July to December 2023 ?

In acres

4.3.30 Did you have trenches in maize from the season of January to May 2024 ?

- Yes
- No

4.3.30.1 Who made decisions in your hh for trenches in maize from the season of January to May 2024 ?

- Husband
- Wife
- Both husband and wife
- Son/Daughter

4.3.30.2 What area of land did you implement trenches in maize from the season of January to May 2024 ?

In acres

» » Post Harvest Management Practices in Maize**4.3.31 What specific post-harvest management practices did you use in maize in the season of July to December 2023 ?**

- Sorting
- Grading
- Storage facility e.g cribs, airtight bags etc
- Drying
- Others (Please specify !)

4.3.31.1 What did you use for sorting maize in July to December 2023 ?

4.3.31.1.1 Who made decisions for sorting maize in the season of July to December 2023 ?

- Husband
- Wife
- Both husband and wife
- Son/Daughter

4.3.31.2 What did you use for grading maize in July to December 2023 ?

4.3.31.2.1 Who made decisions for grading maize in the season of July to December 2023 ?

- Husband
- Wife
- Both husband and wife
- Son/Daughter

4.3.31.3 What did you use for storage of maize in July to December 2023 ?

4.3.31.3.1 Who made decisions for storage facility for maize in the season of July to December 2023 ?

- Husband
- Wife
- Both husband and wife
- Son/Daughter

4.3.31.4 What did you use for drying maize in July to December 2023 ?

4.3.31.4.1 Who made decisions for drying of maize in the season of July to December 2023 ?

- Husband
- Wife
- Both husband and wife
- Son/Daughter

4.3.31.5 What others post harvest management practices did you use for maize in the season of July to December 2023 ?

4.3.31.5.1 Who made decisions for others post harvest management practices for maize in the season of July to December 2023 ?

- Husband
- Wife
- Both husband and wife
- Son/Daughter

4.3.32 What specific post-harvest management practices did you use in maize in the season of January to May 2024 ?

- Sorting
- Grading
- Storage facility e.g cribs, airtight bags etc
- Drying
- Others (Please specify !)

4.3.32.1 What did you use for sorting maize in the season of January to May 2024 ?

4.3.32.1.1 Who made decisions for sorting maize in the season of January to May 2024 ?

- Husband
- Wife
- Both husband and wife
- Son/Daughter

4.3.32.2 What did you use for grading maize in the season of January to May 2024 ?

4.3.32.2.1 Who made decisions for grading maize in the season of January to May 2024 ?

- Husband
- Wife
- Both husband and wife
- Son/Daughter

4.3.32.3 What did you use for storage of maize in the season of January to May 2024 ?

4.3.32.3.1 Who made decisions for storage facility for maize in the season of January to May 2024 ?

- Husband
- Wife
- Both husband and wife
- Son/Daughter

4.3.32.4 What did you use for drying of maize in the season of January to May 2024 ?

4.3.32.4.1 Who made decisions for drying of maize in the season of January to May 2024 ?

- Husband
- Wife
- Both husband and wife
- Son/Daughter

4.3.32.5 What other post harvest management practices did you use for maize in the season of January to May 2024 ?

4.3.32.5.1 Who made decisions for other post harvest management practices for maize in the season of January to May 2024 ?

- Husband
- Wife
- Both husband and wife
- Son/Daughter

5.0 Resilience - Ability to recover from Shocks and Stresses

5.1 Did you experience any of these 16 shocks during the past 12 months ?

- Too much rain
- Too little rain
- Erosion of land
- Loss of land
- Sharp increase in the price of food
- Someone stealing or destroying belongings
- Not being able to access inputs for crops
- Disease affecting crops
- Pests affecting crops
- Theft of crops
- Disease affecting livestock
- Not being able to access inputs for livestock
- Someone stealing animals
- Not being able to sell crops, livestock or other products at a fair price
- Severe illness in the family
- Death in the household

5.2 How severe was the impact of these shock (s) on household food consumption ?

- Not severe
- Somewhat Severe
- Severe
- Extremely Severe

5.3 What technologies and/or control measures did use to cope up with the above climate extremes ?

5.4 After experiencing the above-mentioned shocks, would you say that right now, your house hold has the ability to meet your food needs is:

- Better than before these difficult times
- The same as before these difficult times
- Or worse than before these difficult times

5.5 Looking ahead over the next year, do you believe your household's ability to meet your food needs will be:

- Better than before these difficult times
- The same as before these difficult times
- Or worse than before these difficult times

2.0 Socio-Demographic Characteristics Part 2**2.13 GPS Location**

latitude (x.y °)

longitude (x.y °)

altitude (m)

accuracy (m)

Thank you for participating in this survey
