

1. Climate change and gender survey

The baseline survey was applied to women cooperative members to identify practices, knowledge and perceptions related to climate resilience. Additionally, the survey sought to assess their participation in the cooperative's support services and in decision-making. The original survey tool was in Spanish.

Climate change and gender survey

INTERVIEWER: WRITE DOWN BEFORE STARTING THE INTERVIEW:

Enumerator name: _____

Date: _____

Respondent full name (optional) _____

Respondent's village: _____

DEMOGRAPHICS

Are you a member of the cooperative _____?

- Yes
- No -> end the survey

Age _____

Relationship with the head of the household/head of the family

- I am the head of the household
- Wife
- Mother
- Daughter

Marital status

- Married / Common-law union
- Single
- Divorced / separated
- Widow

How many members live in your household? (all who eat together at home/who live at home most of the time) _____

Number of children under 14 years ____

Number of children over 14 years ____

How much of your total land is dedicated to coffee production? ____ cuerdas/ hectares

Total coffee production during the last harvest ____ quintals/kg

SUPPORT SERVICES PROVIDED BY THE COOPERATIVE

1. What support services or benefits does the cooperative provide you?

READ OPTIONS AND SELECT ALL THAT APPLY

- The cooperative always buys all the coffee I produce
- The cooperative weighs my coffee correctly
- The cooperative offers a higher price/kilo than other buyers
- The cooperative offers loans
- The cooperative offers partial payment when I deliver my coffee
- The cooperative offers inputs such as fertilizers and seeds (subsidized, partially subsidized, or easily accessible)
- The cooperative provides time-saving services/equipment (plowing, harvesting, planting, transportation, drying).
- The cooperative provides training/technical assistance related to coffee production
- Other, specify (_____)

2. In general, how satisfied or dissatisfied are you with the support that THE COOPERATIVE provides to producers to improve the productivity or quality of their crops?

SELECT ALL THAT APPLY

- Very satisfied
- Somewhat satisfied
- Neither satisfied nor dissatisfied
- Somewhat dissatisfied
- Very dissatisfied

3. What other services or benefits should be provided by the cooperative? SELECT ALL THAT APPLY

- Higher price
- Advance payment on delivery
- Short-term credits
- Long- term credits for coffee production (plants renovation, purchase of land, etc.)
- Credits for other crops
- Technical assistance
- Soil diagnosis
- Access to inputs (sold or subsidized)
- Access to equipment
- Projects with other institutions (NGOs)
- Information of environmental care
- Scholarships
- Other _____

4. From the last five assemblies, how many did you attend?

- 0
- 1
- 2
- 3
- 4
- 5

5. How comfortable do you feel giving your opinion during the assemblies?

- Not at all comfortable
- Extremely comfortable
- Very comfortable
- Slightly comfortable

6. Do you have a leadership position in the cooperative?

- Yes
- No

7. To what extent do you agree with the following statement? THE COOPERATIVE takes your voice into account in the decisions of the organization.

- Strongly agree
- Agree
- Neither agree nor disagree
- Disagree
- Strongly disagree

INFORMATION ON CLIMATE CHANGE

8. Where do you get information on good practices for managing your farm? SELECT ALL THAT APPLY

- Cooperative agronomist
- Government extension worker
- Friend or neighbor
- Family member
- NGO
- Media: TV, radio, social networks
- Trainings
- Other _____

9. Where do you get information about the weather to inform the management of your farm? SELECT ALL THAT APPLY

- Cooperative agronomist
- Government extension worker
- Friend or neighbor
- Family member
- NGO
- Media: TV, radio, social networks
- Trainings
- Other _____

10. What type of training for coffee production do you receive?

- Visit from the cooperative agronomists to your farm
- Group trainings
- Both
- None

11. Which family members generally receive information about agricultural practices or the weather? SELECT ALL THAT APPLY

- Me
- My husband
- My son/s
- My daughter/s
- Other _____

12. Do you feel confident that you can manage the impacts of climate change on your coffee production?

- Yes
- No

AGRICULTURAL PRACTICES

13. In this year (2019), has your farm been affected by any of these events? **SELECT ALL THAT APPLY**

- Extreme high temperatures
- Extreme low temperatures
- Intermittent rains or out of season
- Strong rains
- Strong winds
- Prolonged droughts
- Outbreak of rust
- Outbreak of coffee borer beetle
- Landslides

14. Does the slope of your land cause problems with the flow of water?

- Yes
- No
- I don't know

15. Which of the following practices does NOT slow the flow of water and help to prevent soil erosion?

- Contour planting
- Terracing
- Pruning
- Trenching
- Mulching
- I don't want to answer
- I don't know

16. Do any of the following practices apply on your farm? **SELECT ALL THAT APPLY**

- Contour planting
- Terracing
- Trenching
- Mulching
- I did not apply any of these practices
- Other, specify _____

17. If you select contour planting above: The main objective of contour planting, which involves planting rows of coffee plants that cut across the slope, is to:

- Control for various pests and disease carriers
- Slow the flow of water and prevent soil erosion
- Suppress weed growth
- I don't know

18. If you select top terrace cultivation: When terracing your farm, it is recommended that farmers cut "steps" or flat surfaces into the landscape in order to:

- Slow the flow of water and help prevent soil erosion
- Improve the productivity of coffee trees by removing dead and unproductive branches
- Incorporate organic material into the soil
- I don't know

19.If you select trenching above: The primary objective of trenching, which involves digging ditches across a sloping landscape, is to:

- Collect topsoil and slow the flow of rainwater
- Control for pests and diseases
- Provide groundcover and suppress weed growth.
- I don't know

20.Which of the following practices involves putting organic material around coffee plants to suppress weed growth, provide nutrients, maintain moisture in the soil, and prevent erosion?

- Pruning
- Mulching
- Training
- I don't know

21.If you select organic material application above : Which of the following organic materials did you apply on your farm

- Pruning materials
- Coffee pulp
- Compost
- Liquid fertilizer
- Animal manures
- Crop residues
- I don't know
- Other specify _____

22.Which of the following practices involves intentionally planting shrubs and trees on contour lines throughout the plantation and between the rows of coffee to retain soil moisture, prevent soil erosion, and diminish damage from winds?

- Mulching
- Pruning
- Live barriers
- Stumping
- I don't know

23.Which of the following practices effectively provides groundcover, suppresses weed growth, provides nutrients, maintains moisture in the soil, and prevents erosion?

- Pruning
- Spraying insecticide
- Cover cropping
- I don't know

24.Which practices help control coffee borer infestation? SELECT ALL THAT APPLY

- Pruning of infected branches and leaves
- Harvest and collection of fallen beans from beneath trees
- Using coffee pulp or mulch from infected plants
- Installing coffee borer traps
- Spraying insecticides periodically
- Digging drainage ditches
- I don't know

25.In 2019, were any of your coffee plants affected by rust?

-

26.If rust affected you, what area (in hectares) was lost? _____

27.If not, what methods did you use to control rust? Select all that apply

- Pruning of infected branches and leaves
- Maintenance pruning
- Harvesting and gathering fallen cherries under trees
- Use coffee pulp or mulch from infected plants
- Fertilization (chemical or organic or both)
- Use of resistant varieties
- Renewal of coffee plantations
- Use of insecticides or fungicides periodically
- Use of drainage ditches
- I don't know

28.In 2019, has your production decreased or increased?

- Decreased
- Increased
- Neither increased or decreased
- I don't know

29.IF PRODUCTIVITY HAS DECREASED, ASK: What is the reason for the decrease in productivity? SELECT ALL THAT THE PRODUCER SPONTANEOUSLY MENTIONS

- Coffee rust
- Other pests/diseases
- Decrease in the use of fertilizers
- Weather events or changes in climate
- Economic situation or low investment
- Aging of the coffee plantation without renewal
- I do not know
- Other _____

Thank you very much for your time!